

IBM Storage Protect Snapshot

Messages

8.2.0



Contents

List of Tables	45
Who should read this guide	48
Publications	48
Introduction to IBM Storage® Protect Snapshot messages	49
IBM Storage® Protect Snapshot message format	49
IBM Storage® Protect Snapshot messages prefixes	50
FMM messages	51
FMM common messages	51
FMM messages	51
FMM messages for Microsoft™ Management Console	579
FMM messages for Microsoft Management Console	579
FMM messages for IBM® XIV® storage systems	582
FMM18000E	583
FMM18003E	583
FMM18005E	583
FMM18006W	583
FMM18007W	584
FMM18008E	584
FMM18009E	584
FMM18010E	584
FMM18011E	585
FMM18012E	585
FMM18013E	585
FMM18014E	585
FMM18015I	586
FMM18016W	586
FMM18017E	586
FMM18018E	586
FMM18019I	587
FMM18020E	587
FMM18021E	587
FMM18022E	587
FMM18023W	588
FMM18024E	588
FMM18025E	588
FMM18026E	588
FMM18027E	589
FMM18028E	589
FMM18029E	589
FMM18030E	589
FMM18031E	590
FMM18032E	590
FMM18033E	590
FMM18034E	590
FMM18035E	591
FMM18036E	591
FMM18100I	591
FMM18101E	591
FMM18102E	592
FMM18103E	592
FMM18104E	592
FMM18105I	592
FMM18106E	593
FMM18107E	593
FMM18108E	593
FMM18110E	593
FMM18111E	594
FMM18117E	594
FMM18120E	594
FMM18121E	594
FMM18122E	595
FMM18123E	595
FMM18126E	595
FMM18127E	595
FMM18128I	596
FMM18131E	596
FMM18136E	596
FMM18137E	596

FMM18140E.....	597
FMM18141E.....	597
FMM18143E.....	597
FMM18144E.....	597
FMM18145E.....	598
FMM18146I.....	598
FMM18147I.....	598
FMM18148E.....	598
FMM18151I.....	599
FMM18152E.....	599
FMM18154E.....	599
FMM18156E.....	599
FMM18157E.....	600
FMM18158E.....	600
FMM18159I.....	600
FMM18161E.....	600
FMM18163E.....	601
FMM18164E.....	601
FMM18165I.....	601
FMM18170E.....	601
FMM18171E.....	602
FMM18173E.....	602
FMM18174E.....	602
FMM18175E.....	602
FMM18176I.....	603
FMM18177W.....	603
FMM messages for IBM Storage® Protect Snapshot SVCDTA adapter	603
FMM19100I.....	603
FMM19101E.....	604
FMM19102E.....	604
FMM19103E.....	604
FMM19104E.....	604
FMM19105I.....	605
FMM19106E.....	605
FMM19107E.....	605
FMM19108E.....	605
FMM19109I.....	606
FMM19110E.....	606
FMM19111E.....	606
FMM19112E.....	606
FMM19117E.....	607
FMM19118E.....	607
FMM19119E.....	607
FMM19120E.....	607
FMM19121E.....	608
FMM19122E.....	608
FMM19123E.....	608
FMM19124E.....	608
FMM19126E.....	609
FMM19127E.....	609
FMM19128I.....	609
FMM19131E.....	609
FMM19133W.....	610
FMM19136E.....	610
FMM19137E.....	610
FMM19140E.....	611
FMM19141E.....	611
FMM19143E.....	611
FMM19144E.....	611
FMM19145E.....	612
FMM19146I.....	612
FMM19147I.....	612
FMM19148E.....	612
FMM19152E.....	612
FMM19154E.....	613
FMM19155E.....	613
FMM19156E.....	613
FMM19157E.....	613
FMM19158E.....	613
FMM19159I.....	614
FMM19161E.....	614
FMM19162E.....	614
FMM19163E.....	615
FMM19164E.....	615
FMM19165I.....	615
FMM19166W.....	615
FMM19167W.....	616
FMM19168E.....	616
FMM19169E.....	616
FMM19170E.....	616

FMM19171E.....	617
FMM19172E.....	617
FMM19173E.....	617
FMM19174E.....	617
FMM19175E.....	618
FMM19176I.....	618
FMM19177W.....	618
FMM19178W.....	618
FMM19179E.....	619
FMM19180E.....	619
FMM19181I.....	619
FMM19182E.....	619
FMM19183E.....	620
FMM19184E.....	620
FMM19185E.....	620
FMM19186E.....	621
FMM19187E.....	621
FMM19188E.....	621
FMM19189E.....	621
FMM19190E.....	622
FMM19191I.....	622
FMM19192E.....	622
FMM19193E.....	622
FMM19194E.....	623
FMM19195E.....	623
FMM19196E.....	623
FMM19197E.....	623
FMM19198E.....	624
FMM19199E.....	624
FMM19200E.....	624
FMM19201E.....	624
FMM19202E.....	625
FMM19203E.....	625
FMM19203W.....	625
FMM19204E.....	625
FMM19205E.....	626
FMM19206I.....	626
FMM19207E.....	626
FMM19208E.....	626
FMM19209W.....	626
FMM19210W.....	627
FMM19211E.....	627
FMM19212E.....	627
FMM19213E.....	627
FMF messages.....	629
FMF messages.....	629
FMF0003S.....	629
FMF0004E.....	629
FMF0005E.....	629
FMF0053E.....	630
FMF0054E.....	630
FMF0055E.....	630
FMF0056E.....	630
FMF0057E.....	631
FMF0058E.....	631
FMF0100E.....	631
FMF0101E.....	631
FMF0102E.....	632
FMF0103E.....	632
FMF0104E.....	632
FMF0105E.....	632
FMF0132W.....	633
FMF0133W.....	633
FMF0134W.....	633
FMF0150I.....	634
FMF0151E.....	634
FMF0152I.....	634
FMF0153I.....	634
FMF0154E.....	635
FMF0155E.....	635
FMF0156E.....	635
FMF0160E.....	636
FMF0161E.....	636
FMF0162E.....	636
FMF0163E.....	636
FMF0167E.....	637
FMF0200E.....	637
FMF0201E.....	637
FMF0202E.....	637

FMF0203E	638
FMF0204E	638
FMF0205E	638
FMF0206E	638
FMF0207E	639
FMF0208E	639
FMF0209E	639
FMF0210E	639
FMF0211E	640
FMF0212E	640
FMF0213E	640
FMF0214E	641
FMF0215E	641
FMF0216E	641
FMF0217E	641
FMF0218E	642
FMF0219E	642
FMF0256E	642
FMF0257E	643
FMF0258E	643
FMF0259E	643
FMF0260I	643
FMF0261I	644
FMF0262E	644
FMF0267E	644
FMF0292E	645
FMF0300E	645
FMF0301E	645
FMF0351E	645
FMF0368E	646
FMF0383E	646
FMF0384E	646
FMF0385E	646
FMF0476E	647
FMF0480I	647
FMF0487E	647
FMF0488E	647
FMF0495E	648
FMF0496I	648
FMF0497I	648
FMF0498I	649
FMF0501E	649
FMF0515E	649
FMF0516I	650
FMF0517I	650
FMF0518E	650
FMF0519E	651
FMF0520E	651
FMF0521E	651
FMF0522E	652
FMF0524S	652
FMF0555E	652
FMF0556E	652
FMF0571E	653
FMF0572E	653
FMF0573E	653
FMF0574E	653
FMF0575E	654
FMF0576I	654
FMF0581E	654
FMF0583E	654
FMF0585E	655
FMF0588E	655
FMF0589E	655
FMF0590E	656
FMF0591I	656
FMF0592E	656
FMF0593E	657
FMF0594E	657
FMF0595E	657
FMF0598E	657
FMF0599E	658
FMF0601E	658
FMF0602E	658
FMF0603S	659
FMF0604E	659
FMF0605E	659
FMF0606E	660
FMF0607E	660
FMF0608E	660

FMF0609E.....	661
FMF0649E.....	661
FMF0650E.....	661
FMF1225E.....	661
FMF1226E.....	662
FMF1227E.....	662
FMF5814E.....	662
FMF5815E.....	663
FMF5816E.....	663
FMF5817E.....	663
FMF5945E.....	664
FMF5956I.....	664
FMF5957I.....	664
FMF5970I.....	664
FMF5976E.....	665
FMF5989E.....	665
FMF5990E.....	665
FMF6011E.....	666
FMF6012I.....	666
FMF6013E.....	666
FMF6014E.....	666
FMF6015E.....	667
FMF6016E.....	667
FMF6017E.....	667
FMF6018E.....	668
FMF6019E.....	668
FMF6020I.....	668
FMF6021E.....	669
FMF6026E.....	669
FMF6030E.....	669
FMF6031E.....	670
FMF6037W.....	670
FMF6038E.....	670
FMX messages	672
FMX messages.....	672
FMX0003S.....	672
FMX0004E.....	672
FMX0005E.....	672
FMX0053E.....	673
FMX0054E.....	673
FMX0055E.....	673
FMX0056E.....	673
FMX0057E.....	674
FMX0058E.....	674
FMX0100E.....	674
FMX0101E.....	674
FMX0102E.....	675
FMX0103E.....	675
FMX0104E.....	675
FMX0105E.....	675
FMX0132W.....	676
FMX0133W.....	676
FMX0134W.....	676
FMX0150I.....	677
FMX0151E.....	677
FMX0152I.....	677
FMX0153I.....	677
FMX0154E.....	678
FMX0155E.....	678
FMX0156E.....	678
FMX0160E.....	679
FMX0161E.....	679
FMX0162E.....	679
FMX0163E.....	680
FMX0167E.....	680
FMX0200E.....	680
FMX0201E.....	680
FMX0202E.....	681
FMX0203E.....	681
FMX0204E.....	681
FMX0205E.....	681
FMX0206E.....	682
FMX0207E.....	682
FMX0208E.....	682
FMX0209E.....	682
FMX0210E.....	683
FMX0211E.....	683
FMX0212E.....	683
FMX0213E.....	683

FMX0214E	684
FMX0215E	684
FMX0216E	684
FMX0217E	685
FMX0218E	685
FMX0219E	685
FMX0256E	686
FMX0257E	686
FMX0258E	686
FMX0259E	687
FMX0260I	687
FMX0261I	687
FMX0262E	687
FMX0267E	688
FMX0292E	688
FMX0300E	688
FMX0301E	689
FMX0351E	689
FMX0368E	689
FMX0383E	689
FMX0384E	690
FMX0385E	690
FMX0476E	690
FMX0480I	690
FMX0487E	691
FMX0488E	691
FMX0495E	691
FMX0496I	692
FMX0497I	692
FMX0498I	692
FMX0501E	693
FMX0515E	693
FMX0516I	693
FMX0517I	694
FMX0518E	694
FMX0519E	694
FMX0520E	695
FMX0521E	695
FMX0522E	695
FMX0524S	696
FMX0555E	696
FMX0556E	696
FMX0571E	696
FMX0572E	697
FMX0573E	697
FMX0574E	697
FMX0575E	697
FMX0576I	698
FMX0581E	698
FMX0583E	698
FMX0585E	698
FMX0588E	699
FMX0589E	699
FMX0590E	699
FMX0591I	700
FMX0592E	700
FMX0593E	700
FMX0594E	701
FMX0595E	701
FMX0598E	701
FMX0599E	701
FMX0601E	702
FMX0602E	702
FMX0603S	702
FMF0604E	703
FMF0605E	703
FMF0606E	703
FMF0607E	704
FMF0608E	704
FMF0609E	704
FMX0649E	705
FMX0650E	705
FMX1225E	705
FMX1226E	706
FMX1227E	706
FMX3528E	706
FMX5050I	707
FMX5051I	707
FMX5052E	707
FMX5053E	707

FMX5054I	708
FMX5055E	708
FMX5056I	708
FMX5057I	708
FMX5058W	709
FMX5059W	709
FMX5060E	709
FMX5061E	710
FMX5062E	710
FMX5063E	710
FMX5067E	711
FMX5068W	711
FMX5069W	711
FMX5070W	711
FMX5072W	712
FMX5073E	712
FMX5074E	712
FMX5087E	713
FMX5140I	713
FMX5142E	713
FMX5151W	714
FMX5209I	714
FMX5228I	714
FMX5229E	715
FMX5237E	715
FMX5239E	715
FMX5240E	715
FMX5241E	716
FMX5304E	716
FMX5305E	716
FMX5350E	716
FMX5351E	717
FMX5352E	717
FMX5353E	717
FMX5354E	718
FMX5355E	718
FMX5356E	718
FMX5357W	718
FMX5358E	719
FMX5359E	719
FMX5360E	719
FMX5361E	720
FMX5362W	720
FMX5363W	720
FMX5364W	720
FMX5365W	721
FMX5500E	721
FMX5501E	721
FMX5502E	722
FMX5705W	722
FMX5706I	722
FMX5798E	723
FMX5800E	723
FMX5805E	723
FMX5811E	724
FMX5814E	724
FMX5815E	724
FMX5816E	725
FMX5817E	725
FMX5818E	725
FMX5819E	725
FMX5820E	726
FMX5821E	726
FMX5839E	726
FMX5843I	727
FMX5901E	727
FMX5902E	727
FMX5906E	728
FMX5907E	728
FMX5908E	728
FMX5909E	729
FMX5910E	729
FMX5911E	730
FMX5912E	730
FMX5915W	730
FMX5917I	731
FMX5918W	731
FMX5921E	731
FMX5922E	732
FMX5923E	732

FMX5924E.....	732
FMX5929E.....	733
FMX5930E.....	733
FMX5932E.....	733
FMX5935W.....	733
FMX5948E.....	734
FMX5972T.....	734
FMX5975E.....	734
FMX5976E.....	735
FMX5977E.....	735
FMX5979I.....	735
FMX5980E.....	736
FMX5981I.....	736
FMX5982W.....	736
FMX5983E.....	737
FMX5986I.....	737
FMX5987E.....	737
FMX5988W.....	738
FMX5994E.....	738
FMX6012W.....	738
FMX6027E.....	739
FMX6028W.....	739
FMX6029W.....	739
FMX6030W.....	740
FMX6031I.....	740
FMX6032E.....	740
FMX6033E.....	741
FMX6038I.....	741
FMX6039E.....	741
FMX6040W.....	742
FMX6041I.....	742
FMX6046E.....	742
FMX6055W.....	742
FMX6065E.....	743
FMX6066E.....	743
FMX6067E.....	743
FMX6068I.....	744
FMX6076I.....	744
FMX6080E.....	744
FMX6081E.....	745
FMX6082I.....	745
FMX6083W.....	745
FMX6086W.....	746
FMX6087E.....	746
FMX6088W.....	746
FMX6091W.....	747
FMX6092W.....	747
FMX6093T.....	747
FMX6094E.....	747
FMX6095T.....	748
FMX6096T.....	748
FMX6098E.....	748
FMX6099W.....	749
FMX6100E.....	749
FMX6101W.....	749
FMX6102E.....	749
FMX6103W.....	750
FMX6104E.....	750
ANS6105E.....	750
ANS6106I.....	751
ANS6107E.....	751
ANS6108E.....	751
ANS6109E.....	751
FMX6110W.....	752
FMX6111I.....	752
FMX6112W.....	752
FMX6113W.....	753
FMX6114W.....	753
FMY messages	754
FMY messages	754
FMY0003S.....	754
FMY0004E.....	754
FMY0005E.....	754
FMY0053E.....	755
FMY0054E.....	755
FMY0055E.....	755
FMY0056E.....	755
FMY0057E.....	756
FMY0058E.....	756

FMY0100E.....	756
FMY0101E.....	756
FMY0102E.....	757
FMY0103E.....	757
FMY0104E.....	757
FMY0105E.....	757
FMY0132W.....	758
FMY0133W.....	758
FMY0134W.....	758
FMY0150I.....	759
FMY0151E.....	759
FMY0152I.....	759
FMY0153I.....	759
FMY0154E.....	760
FMY0155E.....	760
FMY0156E.....	760
FMY0160E.....	761
FMY0161E.....	761
FMY0162E.....	761
FMY0163E.....	762
FMY0167E.....	762
FMY0200E.....	762
FMY0201E.....	762
FMY0202E.....	763
FMY0203E.....	763
FMY0204E.....	763
FMY0205E.....	763
FMY0206E.....	764
FMY0207E.....	764
FMY0208E.....	764
FMY0209E.....	764
FMY0210E.....	765
FMY0211E.....	765
FMY0212E.....	765
FMY0213E.....	765
FMY0214E.....	766
FMY0215E.....	766
FMY0216E.....	766
FMY0217E.....	767
FMY0218E.....	767
FMY0219E.....	767
FMY0256E.....	768
FMY0257E.....	768
FMY0258E.....	768
FMY0259E.....	769
FMY0260I.....	769
FMY0261I.....	769
FMY0262E.....	769
FMY0267E.....	770
FMY0292E.....	770
FMY0300E.....	770
FMY0301E.....	771
FMY0351E.....	771
FMY0368E.....	771
FMY0383E.....	771
FMY0384E.....	772
FMY0385E.....	772
FMY0476E.....	772
FMY0480I.....	772
FMY0487E.....	773
FMY0488E.....	773
FMY0495E.....	773
FMY0496I.....	774
FMY0497I.....	774
FMY0498I.....	774
FMY0501E.....	775
FMY0515E.....	775
FMY0516I.....	775
FMY0517I.....	776
FMY0518E.....	776
FMY0519E.....	776
FMY0520E.....	777
FMY0521E.....	777
FMY0522E.....	777
FMY0524S.....	778
FMY0555E.....	778
FMY0556E.....	778
FMY0571E.....	778
FMY0572E.....	779
FMY0573E.....	779

FMY0574E.....	779
FMY0575E.....	779
FMY0576I.....	780
FMY0581E.....	780
FMY0583E.....	780
FMY0585E.....	780
FMY0588E.....	781
FMY0589E.....	781
FMY0590E.....	781
FMY0591I.....	782
FMY0592E.....	782
FMY0593E.....	782
FMY0594E.....	783
FMY0595E.....	783
FMY0598E.....	783
FMY0599E.....	783
FMY0601E.....	784
FMY0602E.....	784
FMY0603S.....	784
FMF0604E.....	785
FMF0605E.....	785
FMF0606E.....	785
FMF0607E.....	786
FMF0608E.....	786
FMF0609E.....	786
FMY0649E.....	787
FMY0650E.....	787
FMY1225E.....	787
FMY1226E.....	788
FMY1227E.....	788
FMY3000I.....	788
FMY3001I.....	789
FMY3002E.....	789
FMY3003I.....	789
FMY3004I.....	790
FMY3005E.....	790
FMY3006I.....	790
FMY3007I.....	790
FMY3008I.....	791
FMY3009I.....	791
FMY3010I.....	792
FMY3011I.....	792
FMY3012I.....	792
FMY3013I.....	793
FMY3014I.....	793
FMY3015I.....	793
FMY3016I.....	794
FMY3528E.....	794
FMY3532E.....	794
FMY4354E.....	795
FMY5050I.....	795
FMY5051I.....	795
FMY5052E.....	796
FMY5053E.....	796
FMY5054I.....	796
FMY5056I.....	796
FMY5057I.....	797
FMY5058W.....	797
FMY5059W.....	797
FMY5060E.....	798
FMY5061E.....	798
FMY5063I.....	798
FMY5064W.....	798
FMY5065E.....	799
FMY5091E.....	799
FMY5097I.....	799
FMY5098E.....	800
FMY5124E.....	800
FMY5125E.....	800
FMY5126E.....	801
FMY5127E.....	801
FMY5128E.....	801
FMY5129E.....	802
FMY5170E.....	802
FMY5171E.....	802
FMY5172E.....	803
FMY5186E.....	803
FMY5188E.....	803
FMY5195I.....	803
FMY5196I.....	804

FMY5197I.....	805
FMY5198W.....	805
FMY5204E.....	805
FMY5205E.....	806
FMY5400E.....	806
FMY5401E.....	806
FMY5402E.....	806
FMY5403E.....	807
FMY5404E.....	807
FMY5405E.....	807
FMY5406E.....	808
FMY5407E.....	808
FMY5421E.....	808
FMY5422E.....	808
FMY5423E.....	809
FMY5424E.....	809
FMY5425E.....	809
FMY5426E.....	810
FMY5428E.....	810
FMY5429E.....	810
FMY5430E.....	810
FMY5431E.....	811
FMY5432E.....	811
FMY5433E.....	811
FMY5434E.....	811
FMY5435E.....	812
FMY5436E.....	812
FMY5450E.....	812
FMY5452E.....	813
FMY5453E.....	813
FMY5454E.....	813
FMY5455E.....	814
FMY5456W.....	814
FMY5457E.....	814
FMY5458W.....	815
FMY5459W.....	815
FMY5460W.....	815
FMY5500E.....	815
FMY5501E.....	816
FMY5550I.....	816
FMY5551I.....	816
FMY5552I.....	817
FMY5616W.....	817
FMY5617I.....	817
FMY5629E.....	817
FMY5630E.....	818
FMY5631E.....	818
FMY5715E.....	818
FMY5716W.....	818
FMY5717E.....	819
FMY5718I.....	819
FMY5719I.....	819
FMY5720I.....	820
FMY5721I.....	820
FMY5722I.....	820
FMY5723E.....	820
FMY5770E.....	821
FMY5784E.....	821
FMY5804I.....	821
FMY5915E.....	821
FMY5958W.....	822
FMY5959E.....	822
FMY5960E.....	822
FMY5961E.....	823
FMY5965E.....	823
FMY5966E.....	823
FMY5969E.....	824
FMY6060I.....	824
FMY6065E.....	824
FMY6066E.....	824
FMY6067E.....	825
FMY6101I.....	825
FMY6103I.....	825
FMY6104I.....	826
FMY6105I.....	826
FMY6110W.....	826
FMY6111I.....	827
FMY6112W.....	827
FMY6113I.....	827
FMY6114W.....	827

FMV6115I.....	828
FMV6116I.....	828
FMV6117I.....	828
FMV6200W.....	829
FMV6201W.....	829
FMV6202W.....	829
FMV6203I.....	830
FMV6204I.....	830
FMV6205E.....	830
FMV6206W.....	831
FMV6209W.....	831
FMV6210W.....	831
FMV6211E.....	832
FMV6212I.....	832
FMV6213E.....	832
FMV6214W.....	833
FMV6215E.....	833
FMV messages	834
FMV messages.....	834
FMV0101E.....	834
FMV0102W.....	834
FMV0103E.....	834
FMV0105E.....	835
FMV0106E.....	835
FMV0107E.....	835
FMV0108E.....	836
FMV0109E.....	836
FMV0110E.....	836
FMV0113E.....	836
FMV0118E.....	837
FMV0119E.....	837
FMV0120E.....	837
FMV0121W.....	838
FMV0200E.....	838
FMV0201E.....	838
FMV0202E.....	838
FMV0203E.....	839
FMV0204E.....	839
FMV0205E.....	839
FMV0206E.....	839
FMV0207E.....	840
FMV0208E.....	840
FMV0209E.....	840
FMV0210E.....	840
FMV0211E.....	841
FMV0212E.....	841
FMV0213E.....	841
FMV0214E.....	841
FMV0215E.....	842
FMV0216E.....	842
FMV0217E.....	842
FMV0218E.....	842
FMV0219E.....	843
FMV0220E.....	843
FMV0221E.....	843
FMV0222E.....	844
FMV0223E.....	844
FMV0224E.....	844
FMV0225E.....	844
FMV0226E.....	845
FMV0227E.....	845
FMV0228E.....	845
FMV0229E.....	846
FMV0230E.....	846
FMV0231E.....	846
FMV0232E.....	846
FMV0233E.....	847
FMV0234E.....	847
FMV0235E.....	847
FMV0236E.....	847
FMV0237E.....	848
FMV0238E.....	848
FMV0239E.....	849
FMV0240E.....	849
FMV0241E.....	849
FMV0242W.....	849
FMV0243E.....	850
FMV0244E.....	850
FMV0245E.....	850

FMV0246E.....	851
FMV0247E.....	851
FMV0248E.....	851
FMV0249E.....	851
FMV0250E.....	852
FMV0251E.....	852
FMV0252E.....	852
FMV0253E.....	852
FMV0254E.....	853
FMV0255E.....	853
FMV0256E.....	853
FMV0257E.....	853
FMV0258I.....	854
FMV0259E.....	854
FMV0260E.....	854
FMV0261E.....	854
FMV0262E.....	855
FMV0263E.....	855
FMV0264E.....	855
FMV0265E.....	856
FMV0266I.....	856
FMV0267E.....	856
FMV0268E.....	856
FMV0270S.....	857
FMV0271E.....	857
FMV0272I.....	857
FMV0273E.....	857
FMV0274S.....	858
FMV0275S.....	858
FMV0276S.....	858
FMV0277S.....	858
FMV0278S.....	859
FMV0279I.....	859
FMV0280E.....	859
FMV0282E.....	859
FMV0283E.....	860
FMV0284E.....	860
FMV0285E.....	860
FMV0286E.....	861
FMV0287E.....	861
FMV0296I.....	861
FMV0297E.....	861
FMV0298E.....	862
FMV0299E.....	862
FMV0302I.....	862
FMV0304E.....	862
FMV0305E.....	863
FMV0306E.....	863
FMV0307E.....	863
FMV0308E.....	864
FMV0309E.....	864
FMV0311E.....	864
FMV0312E.....	864
FMV0313E.....	865
FMV0314E.....	865
FMV0315E.....	865
FMV0316E.....	866
FMV0317E.....	866
FMV0318E.....	866
FMV0319E.....	866
FMV0320E.....	867
FMV0321E.....	867
FMV0322E.....	867
FMV0323E.....	867
FMV0324E.....	868
FMV0325E.....	868
FMV0326E.....	868
FMV0327E.....	868
FMV0328E.....	869
FMV0330E.....	869
FMV0331E.....	869
FMV0332E.....	870
FMV0333E.....	870
FMV0334E.....	870
FMV0335E.....	870
FMV0336E.....	871
FMV0337E.....	871
FMV0338E.....	871
FMV0339E.....	871
FMV0340E.....	872

FMV0341E.....	872
FMV0342E.....	872
FMV0343E.....	873
FMV0344E.....	873
FMV0345E.....	873
FMV0346E.....	873
FMV0347E.....	874
FMV0348E.....	874
FMV0349E.....	874
FMV0350E.....	874
FMV0351E.....	875
FMV0352E.....	875
FMV0353E.....	875
FMV0354E.....	876
FMV0355E.....	876
FMV0356E.....	876
FMV0357E.....	876
FMV0358E.....	877
FMV0359E.....	877
FMV0360E.....	877
FMV0361I.....	878
FMV0362E.....	878
FMV0363E.....	878
FMV0364W.....	879
FMV0365E.....	879
FMV0366W.....	879
FMV0367E.....	879
FMV0368W.....	880
FMV0369E.....	880
FMV0370W.....	880
FMV0371E.....	881
FMV0372E.....	881
FMV373I.....	881
FMV0400E.....	881
FMV0401E.....	882
FMV0402E.....	882
FMV0403E.....	882
FMV0404E.....	882
FMV0405E.....	883
FMV0420W.....	883
FMV0421W.....	883
FMV0422W.....	884
FMV0423E.....	884
FMV0649E.....	884
FMV0990W.....	885
FMV0991I.....	885
FMV0992E.....	885
FMV0993E.....	886
FMV0994E.....	886
FMV0995E.....	886
FMV1000E.....	886
FMV1001E.....	887
FMV1002I.....	887
FMV1004W.....	887
FMV1005I.....	888
FMV1006I.....	888
FMV1007E.....	888
FMV1008E.....	889
FMV1009W.....	889
FMV1010E.....	889
FMV1015E.....	890
FMV1016I.....	890
FMV1017E.....	890
FMV1018E.....	891
FMV1019E.....	891
FMV1020E.....	891
FMV1021E.....	891
FMV1022E.....	892
FMV1023E.....	892
FMV1024E.....	892
FMV1025E.....	893
FMV1026E.....	893
FMV1028S.....	893
FMV1029E.....	893
FMV1030E.....	894
FMV1031E.....	894
FMV1032E.....	895
FMV1033E.....	895
FMV1034E.....	895
FMV1035S.....	896

FMV1036S.....	896
FMV1037S.....	897
FMV1038S.....	897
FMV1039S.....	897
FMV1040S.....	897
FMV1041S.....	898
FMV1042S.....	898
FMV1043S.....	898
FMV1047E.....	898
FMV1048E.....	899
FMV1049E.....	899
FMV1050E.....	899
FMV1051I.....	900
FMV1052E.....	900
FMV1053I.....	900
FMV1054E.....	901
FMV1055I.....	901
FMV1056E.....	901
FMV1057I.....	902
FMV1058E.....	902
FMV1059E.....	902
FMV1060E.....	902
FMV1061E.....	903
FMV1062E.....	903
FMV1063E.....	903
FMV1064E.....	904
FMV1065E.....	904
FMV1066E.....	904
FMV1067E.....	904
FMV1068E.....	905
FMV1069E.....	905
FMV1070E.....	905
FMV1071E.....	906
FMV1072E.....	906
FMV1073E.....	906
FMV1074W.....	906
FMV1075E.....	907
FMV1076E.....	907
FMV1078S.....	907
FMV1079E.....	908
FMV1081E.....	908
FMV1082E.....	908
FMV1083E.....	909
FMV1084E.....	909
FMV1086E.....	909
FMV1087E.....	909
FMV1088E.....	910
FMV1089E.....	910
FMV1090E.....	910
FMV1091E.....	910
FMV1092W.....	911
FMV1093E.....	911
FMV1094E.....	911
FMV1096S.....	912
FMV1097E.....	912
FMV1098E.....	912
FMV1099E.....	912
FMV1100E.....	913
FMV1101E.....	913
FMV1102E.....	913
FMV1103E.....	914
FMV1104E.....	914
FMV1105E.....	914
FMV1106E.....	915
FMV1107E.....	915
FMV1108E.....	915
FMV1110E.....	916
FMV1111E.....	916
FMV1113E.....	916
FMV1114I.....	916
FMV1115W.....	917
FMV1116E.....	917
FMV1117E.....	917
FMV1118I.....	918
FMV1119I.....	918
FMV1120E.....	918
FMV1121I.....	919
FMV1122W.....	919
FMV1123E.....	919
FMV1125E.....	920

FMV1126E.....	920
FMV1127E.....	920
FMV1128S.....	920
FMV1129S.....	921
FMV1130E.....	921
FMV1131E.....	921
FMV1132E.....	922
FMV1133W.....	922
FMV1134E.....	922
FMV1135E.....	923
FMV1136E.....	923
FMV1137W.....	923
FMV1138E.....	923
FMV1139W.....	924
FMV1140E.....	924
FMV1141W.....	924
FMV1143E.....	925
FMV1144W.....	925
FMV1145E.....	925
FMV1146E.....	925
FMV1147E.....	926
FMV1148I.....	926
FMV1149E.....	926
FMV1150E.....	927
FMV1151E.....	927
FMV1153E.....	927
FMV1154E.....	928
FMV1155E.....	928
FMV1156E.....	928
FMV1157E.....	928
FMV1158E.....	929
FMV1159E.....	929
FMV1162E.....	929
FMV1163E.....	930
FMV1164E.....	930
FMV1165E.....	930
FMV1166E.....	930
FMV1168E.....	931
FMV1169W.....	931
FMV1170I.....	931
FMV1177E.....	931
FMV1181E.....	932
FMV1183E.....	932
FMV1184W.....	932
FMV1185E.....	933
FMV1186I.....	933
FMV1187E.....	933
FMV1188E.....	934
FMV1189E.....	934
FMV1190E.....	934
FMV1191E.....	934
FMV1192E.....	935
FMV1193E.....	935
FMV1199E.....	935
FMV1200W.....	936
FMV1201E.....	936
FMV1202E.....	936
FMV1203E.....	937
FMV1204E.....	937
FMV1205E.....	937
FMV1206E.....	937
FMV1207E.....	938
FMV1209E.....	938
FMV1212I.....	938
FMV1213W.....	939
FMV1214E.....	939
FMV1215E.....	939
FMV1216E.....	940
FMV1217E.....	940
FMV1218E.....	940
FMV1219E.....	940
FMV1220E.....	941
FMV1221E.....	941
FMV1222E.....	941
FMV1223E.....	942
FMV1224E.....	942
FMV1225E.....	942
FMV1226E.....	942
FMV1227E.....	943
FMV1228E.....	943

FMV1229E.....	943
FMV1230E.....	944
FMV1231E.....	944
FMV1232E.....	944
FMV1233E.....	944
FMV1234E.....	945
FMV1235E.....	945
FMV1236E.....	945
FMV1237E.....	946
FMV1238S.....	946
FMV1241E.....	946
FMV1242E.....	946
FMV1243E.....	947
FMV1244E.....	947
FMV1245E.....	947
FMV1246E.....	948
FMV1247I.....	948
FMV1248E.....	948
FMV1249W.....	948
FMV1251E.....	949
FMV1252W.....	949
FMV1253E.....	949
FMV1254E.....	949
FMV1255E.....	950
FMV1256E.....	950
FMV1257E.....	950
FMV1258E.....	951
FMV1259E.....	951
FMV1260E.....	951
FMV1261W.....	951
FMV1262E.....	952
FMV1263E.....	952
FMV1264E.....	952
FMV1265E.....	953
FMV1266E.....	953
FMV1267E.....	953
FMV1268E.....	954
FMV1269I.....	954
FMV1270E.....	954
FMV1271E.....	954
FMV1272W.....	955
FMV1273I.....	955
FMV1274E.....	955
FMV1275E.....	956
FMV1278W.....	956
FMV1279W.....	956
FMV1286E.....	957
FMV1287E.....	957
FMV1288E.....	957
FMV1289W.....	957
FMV1300E.....	958
FMV1301E.....	958
FMV1302E.....	958
FMV1303E.....	959
FMV1304W.....	959
FMV1305E.....	959
FMV1306E.....	960
FMV1307E.....	960
FMV1308E.....	960
FMV1309I.....	960
FMV1310E.....	961
FMV1311E.....	961
FMV1312E.....	961
FMV1313E.....	962
FMV1314E.....	962
FMV1315W.....	962
FMV1316E.....	963
FMV1317E.....	963
FMV1318E.....	963
FMV1319E.....	963
FMV1320E.....	964
FMV1321S.....	964
FMV1322S.....	964
FMV1323S.....	965
FMV1326S.....	965
FMV1327W.....	965
FMV1328W.....	965
FMV1329S.....	966
FMV1330S.....	966
FMV1331E.....	967

FMV1332E.....	967
FMV1333E.....	967
FMV1334W.....	968
FMV1335E.....	968
FMV1336I.....	968
FMV1337I.....	969
FMV1338I.....	969
FMV1339E.....	969
FMV1340E.....	969
FMV1341E.....	970
FMV1342E.....	970
FMV1343E.....	970
FMV1344E.....	970
FMV1345E.....	971
FMV1346E.....	971
FMV1347E.....	971
FMV1348E.....	972
FMV1349E.....	972
FMV1350E.....	972
FMV1351E.....	973
FMV1352E.....	973
FMV1353E.....	973
FMV1354E.....	974
FMV1355E.....	974
FMV1356E.....	974
FMV1357S.....	975
FMV1358S.....	975
FMV1359E.....	975
FMV1360I.....	975
FMV1361E.....	976
FMV1362S.....	976
FMV1363E.....	976
FMV1364E.....	976
FMV1365E.....	977
FMV1366E.....	977
FMV1367E.....	977
FMV1368S.....	978
FMV1369E.....	978
FMV1370E.....	978
FMV1371E.....	978
FMV1372E.....	979
FMV1373W.....	979
FMV1374W.....	979
FMV1375W.....	980
FMV1376E.....	980
FMV1377W.....	980
FMV1378E.....	981
FMV1379E.....	981
FMV1380W.....	981
FMV1381W.....	982
FMV1382E.....	982
FMV1383E.....	982
FMV1384E.....	983
FMV1385E.....	983
FMV1386E.....	983
FMV1387E.....	983
FMV1388E.....	984
FMV1389W.....	984
FMV1395E.....	984
FMV1396E.....	985
FMV1397W.....	985
FMV1398E.....	985
FMV1399W.....	986
FMV1400W.....	986
FMV1401W.....	986
FMV1402W.....	987
FMV1403E.....	987
FMV1404E.....	987
FMV1405I.....	987
FMV1408W.....	988
FMV1410E.....	988
FMV1411E.....	988
FMV1412E.....	988
FMV1413W.....	989
FMV1414W.....	989
FMV1417W.....	989
FMV1418E.....	990
FMV1420E.....	990
FMV1421E.....	990
FMV1423W.....	991

FMV1424W.....	991
FMV1425E.....	991
FMV1426E.....	992
FMV1427I.....	992
FMV1428E.....	992
FMV1429I.....	993
FMV1430W.....	993
FMV1431E.....	993
FMV1432E.....	993
FMV1433E.....	994
FMV1434E.....	994
FMV1435E.....	994
FMV1436E.....	994
FMV1437I.....	995
FMV1438E.....	995
FMV1439I.....	995
FMV1440E.....	995
FMV1441E.....	996
FMV1442E.....	996
FMV1443E.....	996
FMV1444E.....	996
FMV1445E.....	997
FMV1446E.....	997
FMV1448E.....	998
FMV1449W.....	998
FMV1450W.....	998
FMV1453W.....	999
FMV1454W.....	999
FMV1458I.....	999
FMV1459E.....	999
FMV1461E.....	1000
FMV1463E.....	1000
FMV1464S.....	1000
FMV1465E.....	1001
FMV1466E.....	1001
FMV1467E.....	1001
FMV1468E.....	1002
FMV1469E.....	1002
FMV1470E.....	1002
FMV1471E.....	1003
FMV1472E.....	1003
FMV1473E.....	1003
FMV1474E.....	1004
FMV1475E.....	1004
FMV1476E.....	1004
FMV1477E.....	1004
FMV1478E.....	1005
FMV1479E.....	1005
FMV1480E.....	1005
FMV1481E.....	1006
FMV1482E.....	1006
FMV1483I.....	1006
FMV1484I.....	1006
FMV1487E.....	1007
FMV1489E.....	1007
FMV1490W.....	1007
FMV1492S.....	1008
FMV1493S.....	1008
FMV1494S.....	1008
FMV1495S.....	1008
FMV1496W.....	1009
FMV1497W.....	1009
FMV1498E.....	1009
FMV1499E.....	1010
FMV1500E.....	1010
FMV1501E.....	1010
FMV1502E.....	1010
FMV1503E.....	1011
FMV1504E.....	1011
FMV1505W.....	1011
FMV1506E.....	1012
FMV1507E.....	1012
FMV1508E.....	1012
FMV1509E.....	1012
FMV1510W.....	1013
FMV1511I.....	1013
FMV1512E.....	1013
FMV1513E.....	1014
FMV1514W.....	1014
FMV1515E.....	1014

FMV1519E.....	1015
FMV1520E.....	1015
FMV1521E.....	1015
FMV1523E.....	1015
FMV1528I.....	1016
FMV1529I.....	1016
FMV1530I.....	1016
FMV1532E.....	1017
FMV1533E.....	1017
FMV1534E.....	1017
FMV1535E.....	1017
FMV1536E.....	1018
FMV1537E.....	1018
FMV1538E.....	1018
FMV1539E.....	1019
FMV1544E.....	1019
FMV1546W.....	1019
FMV1547W.....	1019
FMV1548E.....	1020
FMV1549E.....	1020
FMV1550E.....	1020
FMV1553W.....	1021
FMV1556E.....	1021
FMV1557W.....	1021
FMV1560W.....	1021
FMV1562E.....	1022
FMV1565E.....	1022
FMV1566E.....	1022
FMV1568E.....	1023
FMV1569E.....	1023
FMV1570E.....	1023
FMV1571E.....	1024
FMV1572E.....	1024
FMV1573E.....	1024
FMV1574E.....	1024
FMV1575E.....	1025
FMV1577I.....	1025
FMV1578E.....	1025
FMV1579E.....	1026
FMV1580W.....	1026
FMV1581W.....	1026
FMV1582E.....	1027
FMV1583E.....	1027
FMV1584E.....	1027
FMV1587W.....	1028
FMV1588W.....	1028
FMV1589W.....	1028
FMV1590W.....	1029
FMV1592E.....	1029
FMV1593E.....	1029
FMV1594E.....	1029
FMV1595E.....	1030
FMV1596E.....	1030
FMV1597E.....	1030
FMV1598E.....	1031
FMV1599E.....	1031
FMV1600E.....	1031
FMV1601E.....	1031
FMV1602E.....	1032
FMV1603E.....	1032
FMV1604E.....	1032
FMV1605E.....	1033
FMV1606E.....	1033
FMV1607E.....	1033
FMV1608E.....	1034
FMV1609E.....	1034
FMV1611E.....	1034
FMV1612E.....	1034
FMV1613E.....	1035
FMV1614E.....	1035
FMV1615E.....	1035
FMV1616E.....	1035
FMV1617E.....	1036
FMV1618E.....	1036
FMV1619E.....	1036
FMV1621E.....	1037
FMV1622I.....	1037
FMV1623W.....	1037
FMV1624E.....	1038
FMV1626E.....	1038

FMV1632I	1038
FMV1647E	1038
FMV1648W	1039
FMV1649E	1039
FMV1650I	1039
FMV1652I	1040
FMV1653I	1040
FMV1654E	1040
FMV1655I	1040
FMV1656I	1041
FMV1657I	1041
FMV1658I	1041
FMV1659I	1041
FMV1660I	1042
FMV1661I	1042
FMV1662I	1042
FMV1663W	1042
FMV1664E	1043
FMV1665W	1043
FMV1666W	1043
FMV1667E	1044
FMV1668E	1044
FMV1669W	1044
FMV1670E	1044
FMV1672I	1045
FMV1673W	1045
FMV1674I	1045
FMV1675W	1046
FMV1676W	1046
FMV1677W	1047
FMV1678E	1047
FMV1679W	1047
FMV1680E	1048
FMV1681E	1048
FMV1682E	1048
FMV1684W	1049
FMV1685E	1049
FMV1686I	1049
FMV1687E	1050
FMV1688I	1050
FMV1689E	1050
FMV1690E	1051
FMV1691I	1051
FMV1692E	1051
FMV1693E	1052
FMV1694E	1052
FMV1695E	1052
FMV1696E	1052
FMV1698I	1053
FMV1700W	1053
FMV1704W	1053
FMV1705E	1054
FMV1706E	1054
FMV1707E	1054
FMV1708E	1055
FMV1710I	1055
FMV1711E	1055
FMV1712W	1055
FMV1715E	1056
FMV1716E	1056
FMV1717E	1057
FMV1729E	1057
FMV1730E	1057
FMV1731E	1057
FMV1732W	1058
FMV1733I	1058
FMV1734W	1058
FMV1735W	1059
FMV1737E	1059
FMV1738W	1059
FMV1739E	1060
FMV1740W	1060
FMV1741W	1060
FMV1742E	1060
FMV1743E	1061
FMV1744E	1061
FMV1745I	1061
FMV1746E	1062
FMV1747E	1062
FMV1748E	1062

FMV1749W.....	1063
FMV1750I.....	1063
FMV1751E.....	1063
FMV1752E.....	1064
FMV1753E.....	1064
FMV1754E.....	1064
FMV1755W.....	1065
FMV1756W.....	1065
FMV1757W.....	1065
FMV1758W.....	1066
FMV1759W.....	1066
FMV1760I.....	1066
FMV1761I.....	1067
FMV1763W.....	1067
FMV1764W.....	1067
FMV1765W.....	1068
FMV1767E.....	1068
FMV1768E.....	1069
FMV1769E.....	1069
FMV1770E.....	1069
FMV1771W.....	1070
FMV1772E.....	1070
FMV1773I.....	1070
FMV1774I.....	1071
FMV1780E.....	1071
FMV1782E.....	1071
FMV1784E.....	1072
FMV1787I.....	1072
FMV1788I.....	1072
FMV1789I.....	1073
FMV1790E.....	1073
FMV1794I.....	1073
FMV1795I.....	1074
FMV1796I.....	1074
FMV1797E.....	1074
FMV1798W.....	1075
FMV1799I.....	1075
FMV1800W.....	1075
FMV1801E.....	1076
FMV1802E.....	1076
FMV1803E.....	1076
FMV1804E.....	1077
FMV1805E.....	1077
FMV1806W.....	1077
FMV1807E.....	1077
FMV1808E.....	1078
FMV1809W.....	1078
FMV1810I.....	1079
FMV1811S.....	1079
FMV1813E.....	1079
FMV1814E.....	1080
FMV1815E.....	1080
FMV1816E.....	1080
FMV1817E.....	1081
FMV1818E.....	1081
FMV1819E.....	1081
FMV1820E.....	1081
FMV1821E.....	1082
FMV1822E.....	1082
FMV1823E.....	1082
FMV1824E.....	1083
FMV1827W.....	1083
FMV1828E.....	1083
FMV1831E.....	1084
FMV1832W.....	1084
FMV1834S.....	1084
FMV1835E.....	1084
FMV1836I.....	1085
FMV1837S.....	1085
FMV1838E.....	1085
FMV1839E.....	1086
FMV1853E.....	1086
FMV1862W.....	1086
FMV1865E.....	1086
FMV1867E.....	1087
FMV1871W.....	1087
FMV1873E.....	1087
FMV1877E.....	1088
FMV1878E.....	1088
FMV1882E.....	1088

FMV1891W.....	1089
FMV1892W.....	1089
FMV1895I.....	1089
FMV1898I.....	1089
FMV1899I.....	1090
FMV1900I.....	1090
FMV1901I.....	1090
FMV1902E.....	1091
FMV1903W.....	1091
FMV1904E.....	1091
FMV1906I.....	1092
FMV1907E.....	1092
FMV1908I.....	1092
FMV1909E.....	1093
FMV1912E.....	1093
FMV1913E.....	1093
FMV1914E.....	1093
FMV1915E.....	1094
FMV1916E.....	1094
FMV1917E.....	1094
FMV1918E.....	1094
FMV1919E.....	1095
FMV1920E.....	1095
FMV1921E.....	1095
FMV1922E.....	1095
FMV1923E.....	1096
FMV1924E.....	1096
FMV1925E.....	1096
FMV1926E.....	1096
FMV1928E.....	1097
FMV1929E.....	1097
FMV1930W.....	1097
FMV1931E.....	1098
FMV1932E.....	1098
FMV1933E.....	1098
FMV1934E.....	1098
FMV1935E.....	1099
FMV1936E.....	1099
FMV1937E.....	1099
FMV1938E.....	1100
FMV1939E.....	1100
FMV1940E.....	1100
FMV1941E.....	1100
FMV1942E.....	1101
FMV1943E.....	1101
FMV1944E.....	1101
FMV1945E.....	1102
FMV1946W.....	1102
FMV1947W.....	1102
FMV1948E.....	1103
FMV1949E.....	1103
FMV1950E.....	1103
FMV1951E.....	1104
FMV1952E.....	1104
FMV1954E.....	1104
FMV1956E.....	1105
FMV1957E.....	1105
FMV1958W.....	1105
FMV1959I.....	1105
FMV1971E.....	1106
FMV1972E.....	1106
FMV1973I.....	1106
FMV1974W.....	1107
FMV1975W.....	1107
FMV1976E.....	1107
FMV1978E.....	1107
FMV1979E.....	1108
FMV1980E.....	1108
FMV1981E.....	1108
FMV1986E.....	1109
FMV1987E.....	1109
FMV1989E.....	1109
FMV1990W.....	1110
FMV1991E.....	1110
FMV1995W.....	1110
FMV1996W.....	1111
FMV1997W.....	1111
FMV1998W.....	1111
FMV1999E.....	1112
FMV2025W.....	1112

FMV2026W.....	1112
FMV2027E.....	1112
FMV2032I.....	1113
FMV2033W.....	1113
FMV2036W.....	1113
FMV2037W.....	1114
FMV2038W.....	1114
FMV2039E.....	1114
FMV2040E.....	1115
FMV2041E.....	1115
FMV2042W.....	1115
FMV2043I.....	1116
FMV2044E.....	1116
FMV2045E.....	1116
FMV2046S.....	1117
FMV2047E.....	1117
FMV2048W.....	1117
FMV2049W.....	1118
FMV2050E.....	1118
FMV2051W.....	1118
FMV2052E.....	1118
FMV2053E.....	1119
FMV2054E.....	1119
FMV2055I.....	1119
FMV2056I.....	1119
FMV2057E.....	1120
FMV2058E.....	1120
FMV2059E.....	1120
FMV2060W.....	1121
FMV2061W.....	1121
FMV2062W.....	1121
FMV2063W.....	1122
FMV2064I.....	1122
FMV2065I.....	1122
FMV2066E.....	1122
FMV2067E.....	1123
FMV2068E.....	1123
FMV2069E.....	1123
FMV2070E.....	1124
FMV2071E.....	1124
FMV2072E.....	1124
FMV2073E.....	1125
FMV2074E.....	1125
FMV2075E.....	1125
FMV2076E.....	1126
FMV2077E.....	1126
FMV2078E.....	1126
FMV2079E.....	1127
FMV2080W.....	1127
FMV2083W.....	1127
FMV2084I.....	1128
FMV2085E.....	1128
FMV2088E.....	1128
FMV2089E.....	1128
FMV2090I.....	1129
FMV2091I.....	1129
FMV2092I.....	1129
FMV2093E.....	1130
FMV2097E.....	1130
FMV2101E.....	1130
FMV2102E.....	1130
FMV2104E.....	1131
FMV2105I.....	1131
FMV2106I.....	1131
FMV2107I.....	1132
FMV2108I.....	1132
FMV2110I.....	1132
FMV2111E.....	1133
FMV2112I.....	1133
FMV2113E.....	1133
FMV2114W.....	1134
FMV2115I.....	1134
FMV2116W.....	1134
FMV2117E.....	1134
FMV2118I.....	1135
FMV2119I.....	1135
FMV2120W.....	1136
FMV2122E.....	1136
FMV2123W.....	1136
FMV2124W.....	1137

FMV2126E.....	1137
FMV2127E.....	1137
FMV2128E.....	1137
FMV2129E.....	1138
FMV2135E.....	1138
FMV2136E.....	1138
FMV2138E.....	1139
FMV2143E.....	1139
FMV2145W.....	1139
FMV2146E.....	1140
FMV2147E.....	1140
FMV2148I.....	1140
FMV2149E.....	1140
FMV2150E.....	1141
FMV2155W.....	1141
FMV2156E.....	1141
FMV2157E.....	1142
FMV2158E.....	1142
FMV2159I.....	1142
FMV2160I.....	1143
FMV2161E.....	1143
FMV2162E.....	1143
FMV2163E.....	1143
FMV2165I.....	1144
FMV2166I.....	1144
FMV2167W.....	1144
FMV2168W.....	1145
FMV2169E.....	1145
FMV2170W.....	1145
FMV2171E.....	1145
FMV2172E.....	1146
FMV2173E.....	1146
FMV2174E.....	1146
FMV2175I.....	1147
FMV2176E.....	1147
FMV2177E.....	1147
FMV2181I.....	1147
FMV2182I.....	1148
FMV2183E.....	1148
FMV2184E.....	1148
FMV2185E.....	1149
FMV2187E.....	1149
FMV2188E.....	1149
FMV2189E.....	1149
FMV2190E.....	1150
FMV2191E.....	1150
FMV2192E.....	1150
FMV2193E.....	1151
FMV2194E.....	1151
FMV2195E.....	1151
FMV2196W.....	1152
FMV2197E.....	1152
FMV2198I.....	1152
FMV2200I.....	1153
FMV2201I.....	1153
FMV2202E.....	1153
FMV2203E.....	1153
FMV2204E.....	1154
FMV2206W.....	1154
FMV2213W.....	1154
FMV2218I.....	1155
FMV2219E.....	1155
FMV2220E.....	1155
FMV2221W.....	1155
FMV2223W.....	1156
FMV2225W.....	1156
FMV2226W.....	1157
FMV2227W.....	1157
FMV2228W.....	1157
FMV2229E.....	1158
FMV2230E.....	1158
FMV2231I.....	1158
FMV2232E.....	1159
FMV2233I.....	1159
FMV2234W.....	1159
FMV2236I.....	1160
FMV2238E.....	1160
FMV2242E.....	1160
FMV2244W.....	1160
FMV2245E.....	1161

FMV2246W.....	1161
FMV2247E.....	1161
FMV2248E.....	1162
FMV2249W.....	1162
FMV2250W.....	1162
FMV2253W.....	1163
FMV2254E.....	1163
FMV2260E.....	1164
FMV2261E.....	1164
FMV2262I.....	1164
FMV2263I.....	1164
FMV2264I.....	1165
FMV2265I.....	1165
FMV2266I.....	1165
FMV2267W.....	1165
FMV2268W.....	1166
FMV2269E.....	1166
FMV2309I.....	1166
FMV2310E.....	1167
FMV2311E.....	1167
FMV2312E.....	1167
FMV2313E.....	1168
FMV2314E.....	1168
FMV2315E.....	1168
FMV2316E.....	1169
FMV2317E.....	1169
FMV2318E.....	1169
FMV2319W.....	1169
FMV2320I.....	1170
FMV2321W.....	1170
FMV2322I.....	1170
FMV2323E.....	1170
FMV2324W.....	1171
FMV2325E.....	1171
FMV2326W.....	1171
FMV2327I.....	1172
FMV2328I.....	1172
FMV2329W.....	1172
FMV2330E.....	1172
FMV2331W.....	1173
FMV2332E.....	1173
FMV2333E.....	1173
FMV2334E.....	1173
FMV2335E.....	1174
FMV2336W.....	1174
FMV2337E.....	1175
FMV2338W.....	1175
FMV2339W.....	1175
FMV2340W.....	1176
FMV2341E.....	1176
FMV2342E.....	1176
FMV2343E.....	1177
FMV2344E.....	1177
FMV2345W.....	1177
FMV2346E.....	1177
FMV2347E.....	1178
FMV2348E.....	1178
FMV2349W.....	1178
FMV2350E.....	1179
FMV2351E.....	1179
FMV2352E.....	1179
FMV2353W.....	1180
FMV2373E.....	1180
FMV2374E.....	1180
FMV2375E.....	1181
FMV2376I.....	1181
FMV2377I.....	1181
FMV2378W.....	1182
FMV2398I.....	1182
FMV2399I.....	1182
FMV2408I.....	1183
FMV2409E.....	1183
FMV2410E.....	1183
FMV2411E.....	1184
FMV2412E.....	1184
FMV2413E.....	1184
FMV2414E.....	1184
FMV2415E.....	1185
FMV2416E.....	1185
FMV2417E.....	1185

FMV2418E.....	1186
FMV2419E.....	1186
FMV2420E.....	1186
FMV2421E.....	1186
FMV2422E.....	1187
FMV2424E.....	1187
FMV2425E.....	1187
FMV2426E.....	1187
FMV2427E.....	1188
FMV2428E.....	1188
FMV2430E.....	1188
FMV2431E.....	1188
FMV2432E.....	1189
FMV2433E.....	1189
FMV2434E.....	1189
FMV2435E.....	1190
FMV2436E.....	1190
FMV2442W.....	1190
FMV2444E.....	1190
FMV2445E.....	1191
FMV2447E.....	1191
FMV2448E.....	1191
FMV2452E.....	1192
FMV2453E.....	1192
FMV2454E.....	1192
FMV2455I.....	1192
FMV2462E.....	1193
FMV2463W.....	1193
FMV2464E.....	1193
FMV2465E.....	1194
FMV2466W.....	1194
FMV2467W.....	1194
FMV2468E.....	1195
FMV2469E.....	1195
FMV2471E.....	1195
FMV2472E.....	1196
FMV2473E.....	1196
FMV2474E.....	1196
FMV2476E.....	1197
FMV2484I.....	1197
FMV2485E.....	1197
FMV2488E.....	1197
FMV2490E.....	1198
FMV2513I.....	1198
FMV2514I.....	1198
FMV2515I.....	1198
FMV2516E.....	1199
FMV2517E.....	1199
FMV2519E.....	1200
FMV2520E.....	1200
FMV2521E.....	1200
FMV2522W.....	1201
FMV2523E.....	1201
FMV2524E.....	1201
FMV2525E.....	1202
FMV2526W.....	1202
FMV2527I.....	1202
FMV2528I.....	1203
FMV2529I.....	1203
FMV2530I.....	1203
FMV2531I.....	1203
FMV2532I.....	1204
FMV2533I.....	1204
FMV2534I.....	1204
FMV2535I.....	1204
FMV2536I.....	1205
FMV2537I.....	1205
FMV2538I.....	1205
FMV2539I.....	1205
FMV2540I.....	1206
FMV2541I.....	1206
FMV2542I.....	1206
FMV2543E.....	1207
FMV2544E.....	1207
FMV2545I.....	1207
FMV2546W.....	1208
FMV2547E.....	1208
FMV2548E.....	1208
FMV2549E.....	1208
FMV2550W.....	1209

FMV2551W.....	1209
FMV2552E.....	1209
FMV2553W.....	1210
FMV2554W.....	1210
FMV2555W.....	1210
FMV2556E.....	1211
FMV2557E.....	1211
FMV2558E.....	1211
FMV2559E.....	1212
FMV2560W.....	1212
FMV2561I.....	1212
FMV2563I.....	1213
FMV2564I.....	1213
FMV2565I.....	1213
FMV2566E.....	1213
FMV2567E.....	1214
FMV2568I.....	1214
FMV2569I.....	1214
FMV2570I.....	1215
FMV2580E.....	1215
FMV2581E.....	1215
FMV2582E.....	1215
FMV2583E.....	1216
FMV2584E.....	1216
FMV2585E.....	1216
FMV2586E.....	1217
FMV2587E.....	1217
FMV2600S.....	1217
FMV2601S.....	1218
FMV2602S.....	1218
FMV2603S.....	1218
FMV2604S.....	1219
FMV2605S.....	1219
FMV2606S.....	1219
FMV2607S.....	1219
FMV2609S.....	1220
FMV2610S.....	1220
FMV2611S.....	1220
FMV2612S.....	1221
FMV2613S.....	1221
FMV2614S.....	1221
FMV2615S.....	1222
FMV2616I.....	1222
FMV2617S.....	1222
FMV2619S.....	1222
FMV2620W.....	1223
FMV2622S.....	1223
FMV2623S.....	1223
FMV2624E.....	1224
FMV2625E.....	1224
FMV2626E.....	1224
FMV2627W.....	1224
FMV2628W.....	1225
FMV2629I.....	1225
FMV2630E.....	1225
FMV2631E.....	1226
FMV2632E.....	1226
FMV2633E.....	1226
FMV2634E.....	1227
FMV2635E.....	1227
FMV2636E.....	1227
FMV2640I.....	1228
FMV2641E.....	1228
FMV2642E.....	1228
FMV2643I.....	1229
FMV2644I.....	1229
FMV2666S.....	1229
FMV2667I.....	1230
FMV2668E.....	1230
FMV2669I.....	1230
FMV2670I.....	1230
FMV2671I.....	1231
FMV2672W.....	1231
FMV2673I.....	1231
FMV2674I.....	1231
FMV2675E.....	1232
FMV2676W.....	1232
FMV2677W.....	1232
FMV2678I.....	1233
FMV2679I.....	1233

FMV2680I	1233
FMV2681W	1233
FMV2682I	1234
FMV2683W	1234
FMV2684I	1234
FMV2685I	1234
FMV2686E	1235
FMV2687W	1235
FMV2688E	1235
FMV2689E	1236
FMV2690E	1236
FMV2691E	1236
FMV2692E	1237
FMV2693E	1237
FMV2694W	1237
FMV2695W	1238
FMV2697E	1238
FMV2698E	1238
FMV2699W	1239
FMV2700E	1239
FMV2701E	1239
FMV2704E	1240
FMV2705S	1240
FMV2706E	1240
FMV2707W	1241
FMV2708E	1241
FMV2709E	1241
FMV2710E	1242
FMV2711E	1242
FMV2712W	1242
FMV2713E	1242
FMV2714W	1243
FMV2715E	1243
FMV2716E	1243
FMV2717E	1244
FMV2718W	1244
FMV2719E	1244
FMV2720W	1245
FMV2721E	1245
FMV2722E	1245
FMV2723E	1246
FMV2725E	1246
FMV2729E	1246
FMV2731E	1246
FMV2732E	1247
FMV2733E	1247
FMV2734E	1247
FMV2736E	1248
FMV2737W	1248
FMV2740E	1248
FMV2744I	1249
FMV2745E	1249
FMV2746E	1249
FMV2747E	1250
FMV2748E	1250
FMV2749E	1250
FMV2750E	1251
FMV2751E	1251
FMV2752E	1251
FMV2753I	1252
FMV2785I	1252
FMV2790E	1252
FMV2798E	1253
FMV2799E	1253
FMV2800W	1253
FMV2801E	1253
FMV2802I	1254
FMV2803E	1254
FMV2804W	1254
FMV2805I	1255
FMV2806E	1255
FMV2807E	1255
FMV2808W	1255
FMV2809E	1256
FMV2810E	1256
FMV2811E	1256
FMV2812E	1257
FMV2813E	1257
FMV2814E	1257
FMV2815E	1258

FMV2816E.....	1258
FMV2817E.....	1258
FMV2818E.....	1259
FMV2820E.....	1259
FMV2824E.....	1259
FMV2825E.....	1259
FMV2826E.....	1260
FMV2827E.....	1260
FMV2828E.....	1260
FMV2829E.....	1261
FMV2830E.....	1261
FMV2831E.....	1261
FMV2832E.....	1262
FMV2834E.....	1262
FMV2835E.....	1262
FMV2836E.....	1263
FMV2837E.....	1263
FMV2838W.....	1263
FMV2839E.....	1264
FMV2840E.....	1264
FMV2841E.....	1264
FMV2842E.....	1265
FMV2850E.....	1265
FMV2851E.....	1265
FMV2855W.....	1266
FMV2856E.....	1266
FMV2857E.....	1266
FMV2858E.....	1267
FMV2859E.....	1267
FMV2860E.....	1267
FMV2861W.....	1268
FMV2862E.....	1268
FMV2863E.....	1268
FMV2864E.....	1268
FMV2865E.....	1269
FMV2866E.....	1269
FMV2867E.....	1269
FMV2868E.....	1270
FMV2869E.....	1270
FMV2870W.....	1270
FMV2872E.....	1271
FMV2873I.....	1271
FMV2876E.....	1271
FMV2888E.....	1272
FMV2889I.....	1272
FMV2891W.....	1272
FMV2900E.....	1273
FMV2901E.....	1273
FMV2902E.....	1273
FMV2903E.....	1274
FMV2998I.....	1274
FMV3000I.....	1274
FMV3001W.....	1274
FMV3002I.....	1275
FMV3003I.....	1275
FMV3004E.....	1275
FMV3005I.....	1276
FMV3006I.....	1276
FMV3007I.....	1276
FMV3008E.....	1276
FMV3009E.....	1277
FMV3010E.....	1277
FMV3011E.....	1277
FMV3012E.....	1278
FMV3013E.....	1278
FMV3014E.....	1278
FMV3100E.....	1278
FMV3101E.....	1279
FMV3102I.....	1279
FMV3103E.....	1279
FMV3104E.....	1280
FMV3105E.....	1280
FMV3106E.....	1280
FMV3107E.....	1280
FMV3108W.....	1281
FMV3109E.....	1281
FMV3110E.....	1281
FMV3111E.....	1282
FMV3112E.....	1282
FMV3113E.....	1282

FMV3114E.....	1283
FMV3115E.....	1283
FMV3116E.....	1283
FMV3117E.....	1283
FMV3118E.....	1284
FMV3119W.....	1284
FMV3122E.....	1284
FMV3123E.....	1285
FMV3124E.....	1285
FMV3125E.....	1285
FMV3126E.....	1286
FMV3127E.....	1286
FMV3128E.....	1286
FMV3129I.....	1287
FMV3130E.....	1287
FMV3131E.....	1287
FMV3132E.....	1287
FMV3133E.....	1288
FMV3134E.....	1288
FMV3135E.....	1288
FMV3136E.....	1289
FMV3137W.....	1289
FMV3138E.....	1289
FMV3139E.....	1289
FMV3140E.....	1290
FMV3141W.....	1290
FMV3142E.....	1290
FMV3143W.....	1291
FMV3144W.....	1291
FMV3145E.....	1291
FMV3146E.....	1291
FMV3147W.....	1292
FMV3148W.....	1292
FMV3149E.....	1292
FMV3150W.....	1293
FMV3151E.....	1293
FMV3152E.....	1293
FMV3153E.....	1293
FMV3154E.....	1294
FMV3155I.....	1294
FMV3156I.....	1294
FMV3157I.....	1294
FMV3158W.....	1295
FMV3159E.....	1295
FMV3160W.....	1295
FMV3161E.....	1296
FMV3162I.....	1296
FMV3163W.....	1296
FMV3164W.....	1296
FMV3165W.....	1297
FMV3166W.....	1297
FMV3167E.....	1297
FMV3168E.....	1297
FMV3169E.....	1298
FMV3170W.....	1298
FMV3171E.....	1298
FMV3172T.....	1299
FMV3173E.....	1299
FMV3174E.....	1299
FMV3175E.....	1299
FMV3176W.....	1300
FMV3177E.....	1300
FMV3178E.....	1300
FMV3179W.....	1301
FMV3180W.....	1301
FMV3181E.....	1301
FMV3182E.....	1302
FMV3183E.....	1302
FMV3184W.....	1303
FMV3185W.....	1303
FMV3186W.....	1304
FMV3187W.....	1304
FMV3401W.....	1304
FMV3402W.....	1304
FMV3403W.....	1305
FMV3404W.....	1305
FMV3405W.....	1305
FMV3406I.....	1306
FMV3407W.....	1306
FMV3408E.....	1306

FMV3409W.....	1307
FMV3410E.....	1307
FMV3411E.....	1307
FMV3412I.....	1308
FMV3413I.....	1308
FMV3414I.....	1308
FMV3415W.....	1308
FMV3416E.....	1309
FMV3417W.....	1309
FMV3418W.....	1309
FMV3419W.....	1310
FMV4000E.....	1310
FMV4001E.....	1310
FMV4002E.....	1311
FMV4003E.....	1311
FMV4004E.....	1311
FMV4005E.....	1312
FMV4006E.....	1312
FMV4007E.....	1312
FMV4008E.....	1313
FMV4009E.....	1313
FMV4010E.....	1313
FMV4011E.....	1314
FMV4012E.....	1314
FMV4013E.....	1314
FMV4014E.....	1315
FMV4015E.....	1315
FMV4016E.....	1315
FMV4017E.....	1316
FMV4018E.....	1316
FMV4019E.....	1316
FMV4020E.....	1317
FMV4021E.....	1317
FMV4022E.....	1317
FMV4023E.....	1318
FMV4024E.....	1318
FMV4025E.....	1318
FMV4026W.....	1319
FMV4027S.....	1319
FMV4028E.....	1320
FMV4029E.....	1320
FMV4030E.....	1320
FMV4031E.....	1321
FMV4032E.....	1321
FMV4033E.....	1321
FMV4034E.....	1322
FMV4035W.....	1322
FMV4036E.....	1322
FMV4037E.....	1323
FMV4038E.....	1323
FMV4039E.....	1323
FMV4040E.....	1324
FMV4041E.....	1324
FMV4042E.....	1324
FMV4044E.....	1325
FMV4045E.....	1325
FMV4046E.....	1325
FMV4047E.....	1326
FMV4048W.....	1326
FMV4049I.....	1326
FMV4050W.....	1327
FMV4051E.....	1327
FMV4052E.....	1327
FMV4053E.....	1328
FMV4054E.....	1328
FMV4055E.....	1329
FMV4056E.....	1329
FMV4058I.....	1330
FMV4059I.....	1330
FMV4061I.....	1330
FMV4063W.....	1331
FMV4064I.....	1331
FMV4065E.....	1331
FMV4066I.....	1332
FMV4067E.....	1332
FMV4068I.....	1332
FMV4069E.....	1333
FMV4070E.....	1333
FMV4071E.....	1333
FMV4072E.....	1334

FMV4073W.....	1334
FMV4077E.....	1334
FMV4078E.....	1335
FMV4079E.....	1335
FMV4081E.....	1335
FMV4083I.....	1336
FMV4084E.....	1336
FMV4085I.....	1336
FMV4086W.....	1337
FMV4087E.....	1337
FMV4089W.....	1337
FMV4090I.....	1338
FMV4092E.....	1338
FMV4099E.....	1338
FMV4137E.....	1339
FMV4148E.....	1339
FMV4150E.....	1339
FMV4151E.....	1339
FMV4152E.....	1340
FMV4153E.....	1340
FMV4154E.....	1340
FMV4155E.....	1341
FMV4156E.....	1341
FMV4159E.....	1341
FMV4160E.....	1341
FMV4161E.....	1342
FMV4162E.....	1342
FMV4164W.....	1342
FMV4165E.....	1343
FMV4166E.....	1343
FMV4167E.....	1343
FMV4168E.....	1344
FMV4169E.....	1344
FMV4170E.....	1344
FMV4174E.....	1345
FMV4177E.....	1345
FMV4179I.....	1345
FMV4187W.....	1346
FMV4191E.....	1346
FMV4193E.....	1346
FMV4194E.....	1347
FMV4195E.....	1347
FMV4199W.....	1348
FMV4200E.....	1348
FMV4202E.....	1348
FMV4206E.....	1349
FMV4207E.....	1349
FMV4212E.....	1349
FMV4213E.....	1350
FMV4232E.....	1350
FMV4242E.....	1350
FMV4251W.....	1351
FMV4252W.....	1351
FMV4254E.....	1351
FMV4255E.....	1352
FMV4256E.....	1352
FMV4257E.....	1352
FMV4258E.....	1352
FMV4259E.....	1353
FMV4260E.....	1353
FMV4261E.....	1353
FMV4262E.....	1354
FMV4263E.....	1354
FMV4264E.....	1354
FMV4265I.....	1354
FMV4266I.....	1355
FMV4267I.....	1355
FMV4268I.....	1355
FMV4269W.....	1356
FMV4270I.....	1356
FMV4271E.....	1356
FMV4272E.....	1357
FMV4273E.....	1357
FMV4274E.....	1357
FMV4275E.....	1358
FMV4276E.....	1358
FMV4277E.....	1358
FMV4278E.....	1359
FMV4280E.....	1359
FMV4281E.....	1359

FMV4282E.....	1360
FMV4283E.....	1360
FMV4284E.....	1360
FMV4285E.....	1361
FMV4290E.....	1361
FMV4291E.....	1361
FMV4292E.....	1361
FMV4293E.....	1362
FMV4295W.....	1362
FMV4301I.....	1362
FMV4302W.....	1363
FMV4303E.....	1363
FMV4304I.....	1363
FMV4305W.....	1363
FMV4308E.....	1364
FMV4311E.....	1364
FMV4441E.....	1365
FMV4442E.....	1365
FMV4443E.....	1365
FMV4446E.....	1366
FMV4449E.....	1366
FMV4450E.....	1366
FMV4451E.....	1367
FMV4900W.....	1367
FMV4901E.....	1367
FMV4904E.....	1368
FMV4907E.....	1368
FMV4910E.....	1368
FMV4915I.....	1369
FMV4917E.....	1369
FMV4936E.....	1369
FMV4937I.....	1369
FMV4942E.....	1370
FMV4946W.....	1370
FMV4947E.....	1370
FMV4948E.....	1371
FMV4972W.....	1371
FMV4973E.....	1371
FMV4974E.....	1372
FMV4987E.....	1372
FMV4988W.....	1372
FMV4989E.....	1373
FMV4991I.....	1373
FMV4992W.....	1373
FMV4993E.....	1374
FMV4994S.....	1374
FMV4997E.....	1374
FMV4998E.....	1375
FMV4999I.....	1375
FMV5003S.....	1375
FMV5004S.....	1376
FMV5006W.....	1376
FMV5007W.....	1376
FMV5008W.....	1376
FMV5009W.....	1377
FMV5011I.....	1377
FMV5012E.....	1377
FMV5013E.....	1377
FMV5014I.....	1378
FMV5015I.....	1378
FMV5016E.....	1378
FMV5017I.....	1379
FMV5018E.....	1379
FMV5019I.....	1379
FMV5020E.....	1379
FMV5021I.....	1380
FMV5022I.....	1380
FMV5023E.....	1380
FMV5024I.....	1381
FMV5025E.....	1381
FMV5026W.....	1381
FMV5027W.....	1381
FMV5028I.....	1382
FMV5029E.....	1382
FMV5030E.....	1382
FMV5031E.....	1382
FMV5032W.....	1383
FMV5033E.....	1383
FMV5034E.....	1383
FMV5035E.....	1384

FMV5036E.....	1384
FMV5037W.....	1384
FMV5038E.....	1384
FMV5039E.....	1385
FMV5040E.....	1385
FMV5041E.....	1385
FMV5042E.....	1386
FMV5043W.....	1386
FMV5044E.....	1386
FMV5045E.....	1387
FMV5046E.....	1387
FMV5047E.....	1387
FMV5048E.....	1388
FMV5049E.....	1388
FMV5050E.....	1388
FMV5051S.....	1388
FMV5052E.....	1389
FMV5053W.....	1389
FMV5054E.....	1389
FMV5055E.....	1390
FMV5056E.....	1390
FMV5057E.....	1390
FMV5058E.....	1390
FMV5059E.....	1391
FMV5060E.....	1391
FMV5061E.....	1391
FMV5062E.....	1391
FMV5083E.....	1392
FMV5091S.....	1392
FMV5092S.....	1392
FMV5093S.....	1393
FMV5094E.....	1393
FMV5122E.....	1393
FMV5123S.....	1393
FMV5124S.....	1394
FMV5125S.....	1394
FMV5126S.....	1394
FMV5127I.....	1395
FMV5128E.....	1395
FMV5129E.....	1395
FMV5130W.....	1396
FMV5132I.....	1396
FMV5133I.....	1396
FMV5134E.....	1396
FMV5135I.....	1397
FMV5138I.....	1397
FMV5139E.....	1397
FMV5145W.....	1397
FMV5146W.....	1398
FMV5148W.....	1398
FMV5150E.....	1398
FMV5151S.....	1399
FMV5152S.....	1399
FMV5153E.....	1399
FMV5154I.....	1399
FMV5155E.....	1400
FMV5158S.....	1400
FMV5164E.....	1400
FMV5165E.....	1401
FMV5176W.....	1401
FMV5177E.....	1401
FMV5178E.....	1402
FMV5179E.....	1402
FMV5181E.....	1402
FMV5182E.....	1402
FMV5183W.....	1403
FMV5184E.....	1403
FMV5186E.....	1403
FMV5187E.....	1404
FMV5188E.....	1404
FMV5189E.....	1404
FMV5191E.....	1404
FMV5192E.....	1405
FMV5193E.....	1405
FMV5194E.....	1405
FMV5196W.....	1406
FMV5201E.....	1406
FMV5202I.....	1406
FMV5204W.....	1406
FMV5208E.....	1407

FMV5209E.....	1407
FMV5210E.....	1407
FMV5211E.....	1407
FMV5212E.....	1408
FMV5215E.....	1408
FMV5216E.....	1408
FMV5217E.....	1409
FMV5219W.....	1409
FMV5222E.....	1409
FMV5224W.....	1409
FMV5225W.....	1410
FMV5226E.....	1410
FMV5227E.....	1410
FMV5228E.....	1411
FMV5229E.....	1411
FMV5230E.....	1411
FMV5231E.....	1412
FMV5232I.....	1412
FMV5233E.....	1412
FMV5234E.....	1412
FMV5235E.....	1413
FMV5236E.....	1413
FMV5237E.....	1413
FMV5238E.....	1414
FMV5239E.....	1414
FMV5240E.....	1414
FMV5241E.....	1415
FMV5242E.....	1415
FMV5243E.....	1415
FMV5244E.....	1416
FMV5245W.....	1416
FMV5246W.....	1416
FMV5247E.....	1417
FMV5248E.....	1417
FMV5249E.....	1417
FMV5250E.....	1418
FMV5251E.....	1418
FMV5252E.....	1418
FMV5253W.....	1419
FMV5254E.....	1419
FMV5255E.....	1419
FMV5256W.....	1419
FMV5257E.....	1420
FMV5258E.....	1420
FMV5259W.....	1421
FMV5260W.....	1421
FMV5261W.....	1421
FMV5262I.....	1422
FMV5263E.....	1422
FMV5264W.....	1422
FMV5265W.....	1423
FMV5266E.....	1423
FMV5267E.....	1423
FMV5268W.....	1423
FMV5269E.....	1424
FMV5270E.....	1424
FMV5271E.....	1424
FMV5272E.....	1425
FMV5273E.....	1425
FMV5274E.....	1425
FMV5275E.....	1426
FMV5276E.....	1426
FMV5277E.....	1426
FMV5278W.....	1426
FMV5279E.....	1427
FMV5280E.....	1427
FMV5281E.....	1427
FMV5282E.....	1428
FMV5283E.....	1428
FMV5284I.....	1428
FMV5285E.....	1429
FMV5286I.....	1429
FMV5287W.....	1430
FMV5288W.....	1430
FMV5289W.....	1430
FMV5290W.....	1431
FMV5291E.....	1431
FMV5292E.....	1431
FMV5293E.....	1432
FMV5294E.....	1432

FMV5296I	1432
FMV5298E	1433
FMV5300E	1433
FMV5301E	1433
FMV5302E	1434
FMV5303I	1434
FMV5304E	1434
FMV5307E	1435
FMV5821E	1435
FMV5822E	1435
FMV5823W	1435
FMV5824E	1436
FMV5825E	1436
FMV5826E	1436
FMV5827E	1437
FMV5828E	1437
FMV5829E	1437
FMV5830E	1437
FMV5831E	1438
FMV5832E	1438
FMV5833E	1438
FMV5834E	1439
FMV5835E	1439
FMV5836W	1439
FMV5837W	1439
FMV5838E	1440
FMV5839E	1440
FMV5840E	1440
FMV5841E	1441
FMV5842E	1441
FMV5843E	1441
FMV5844E	1441
FMV5845E	1442
FMV5876I	1442
FMV5877I	1442
FMV5878I	1443
FMV6586E	1443
FMV6587W	1443
FMV6718E	1443
FMV7421W	1444
FMV7422E	1444
FMV7423E	1444
FMV7500W	1445
FMV7501E	1445
FMV7502E	1445
FMV7507W	1446
FMV7510E	1446
FMV7524E	1446
FMV7525E	1446
FMV7526E	1447
FMV7527E	1447
FMV7528E	1447
FMV7529E	1448
FMV7531E	1448
FMV7533E	1448
FMV7534W	1449
FMV7535W	1449
FMV7543E	1449
FMV7544E	1450
FMV7545E	1450
FMV7546E	1450
FMV7547E	1451
FMV7550E	1451
FMV7552I	1451
FMV7553W	1451
FMV7554E	1452
FMV7557E	1452
FMV7558E	1452
FMV7559E	1453
FMV7566E	1453
FMV7567E	1453
FMV7641I	1453
FMV7642E	1454
FMV7643E	1454
FMV7650E	1454
FMV7660E	1455
FMV7709E	1455
FMV7899E	1455
FMV7900I	1455
FMV7901W	1456

FMV7902I	1456
FMV7903W	1456
FMV7904E	1457
FMV7906W	1457
FMV7907W	1457
FMV7908E	1458
FMV7912E	1458
FMV7913E	1458
FMV7914E	1458
FMV7915E	1459
FMV7916E	1459
FMV7917E	1459
FMV7918E	1460
FMV7919E	1460
FMV7936E	1460
FMV7937E	1460
FMV7938E	1461
FMV7939E	1461
FMV7940W	1461
FMV7941E	1462
FMV7942E	1462
FMV7943E	1462
FMV7944W	1462
FMV7945W	1463
FMV7946E	1463
FMV7947E	1463
FMV7948E	1464
FMV7949E	1464
FMV7950E	1464
FMV7951E	1464
FMV7952E	1465
FMV7953E	1465
FMV7954E	1465
FMV7955E	1465
FMV7956E	1466
FMV7957E	1466
FMV8000I	1466
FMV8001I	1467
FMV8002I	1467
FMV8003I	1467
FMV8004W	1467
FMV8005E	1468
FMV8006E	1468
FMV8007E	1468
FMV8008W	1468
FMV8010E	1469
FMV8011W	1469
FMV8012E	1469
FMV8013I	1470
FMV8014E	1470
FMV8015E	1470
FMV8016E	1470
FMV8017E	1471
FMV8018E	1471
FMV8019E	1471
FMV8020E	1472
FMV8021E	1472
FMV8022E	1472
FMV8023E	1472
FMV8024E	1473
FMV8025E	1473
FMV8026E	1473
FMV8027E	1473
FMV8028E	1474
FMV8029E	1474
FMV8030E	1474
FMV8031E	1474
FMV8032E	1475
FMV8033E	1475
FMV8034E	1475
FMV8036E	1475
FMV8037E	1476
FMV8038E	1476
FMV8041E	1476
FMV8045E	1476
FMV8046E	1477
FMV8047E	1477
FMV8048W	1477
FMV8049E	1478
FMV8050E	1478

FMV8052E.....	1478
FMV8053E.....	1479
FMV8054E.....	1479
FMV8055E.....	1479
FMV8056E.....	1479
FMV8057E.....	1480
FMV8058E.....	1480
FMV8060E.....	1480
FMV8061E.....	1481
FMV8062E.....	1481
FMV8063E.....	1481
FMV8064E.....	1481
FMV8103W.....	1482
FMV8104W.....	1482
FMV8105W.....	1482
FMV8106E.....	1483
FMV8201E.....	1483
FMV8503I.....	1483
FMV8563E.....	1484
FMV8565W.....	1484
FMV8778E.....	1484
FMV8779E.....	1485
FMV8780E.....	1485
FMV8809E.....	1485
FMV8810E.....	1486
FMV8811E.....	1486
FMV8818E.....	1486
FMV8819E.....	1487
FMV8830W.....	1487
FMV8939E.....	1487
FMV8946E.....	1487
FMV9005W.....	1488
FMV9007W.....	1488
FMV9008W.....	1488
FMV9009E.....	1489
FMV9010E.....	1489
FMV9011E.....	1489
FMV9012E.....	1490
FMV9016E.....	1490
FMV9017W.....	1490
FMV9020E.....	1491
FMV9021E.....	1491
FMV9022E.....	1491
FMV9024E.....	1492
FMV9025E.....	1492
FMV9028E.....	1492
FMV9029E.....	1493
FMV9030W.....	1493
FMV9031W.....	1493
FMV9032W.....	1493
FMV9034E.....	1494
FMV9036W.....	1494
FMV9050I.....	1494
FMV9051I.....	1494
FMV9054E.....	1495
FMV9057W.....	1495
FMV9059E.....	1495
FMV9060W.....	1496
FMV9062E.....	1496
FMV9063E.....	1496
FMV9064E.....	1496
FMV9065E.....	1497
FMV9067W.....	1497
FMV9068I.....	1497
FMV9069I.....	1498
FMV9070I.....	1498
FMV9071W.....	1498
FMV9072W.....	1498
FMV9073W.....	1499
FMV9074I.....	1499
FMV9075W.....	1499
FMV9076I.....	1500
FMV9077I.....	1500
FMV9078W.....	1500
FMV9079W.....	1501
FMV9080E.....	1501
FMV9081W.....	1501
FMV9082W.....	1501
FMV9083W.....	1502
FMV9084E.....	1502

FMV9085E.....	1502
FMV9086E.....	1503
FMV9087I.....	1503
FMV9088W.....	1503
FMV9089E.....	1504
FMV9090E.....	1504
FMV9091E.....	1504
FMV9093W.....	1505
FMV9094W.....	1505
FMV9098E.....	1505
FMV9099E.....	1505
FMV9100E.....	1506
FMV9101E.....	1506
FMV9117E.....	1506
FMV9121I.....	1507
FMV9126E.....	1507
FMV9128I.....	1507
FMV9130E.....	1507
FMV9133E.....	1508
FMV9134E.....	1508
FMV9135E.....	1508
FMV9136E.....	1509
FMV9137I.....	1509
FMV9140E.....	1509
FMV9145E.....	1510
FMV9146E.....	1510
FMV9147E.....	1510
FMV9148E.....	1511
FMV9150I.....	1511
FMV9151E.....	1511
FMV9152E.....	1511
FMV9153E.....	1512
FMV9154E.....	1512
FMV9155E.....	1512
FMV9156I.....	1513
FMV9159E.....	1513
FMV9160E.....	1513
FMV9161E.....	1514
FMV9162W.....	1514
FMV9163W.....	1514
FMV9164W.....	1515
FMV9165E.....	1515
FMV9166I.....	1515
FMV9167W.....	1516
FMV9169E.....	1516
FMV9170E.....	1516
FMV9171E.....	1516
FMV9174I.....	1517
FMV9177W.....	1517
FMV9178E.....	1517
FMV9179W.....	1518
FMV9180W.....	1518
FMV9184E.....	1518
FMV9186E.....	1519
FMV9201W.....	1519
FMV9203E.....	1519
FMV9220E.....	1520
FMV9240W.....	1520
FMV9249E.....	1520
FMV9250I.....	1521
FMV9251E.....	1521
FMV9252I.....	1521
FMV9255I.....	1521
FMV9256E.....	1522
FMV9263W.....	1522
FMV9264E.....	1522
FMV9267E.....	1523
FMV9278E.....	1523
FMV9279E.....	1523
FMV9280E.....	1523
FMV9287E.....	1524
FMV9288W.....	1524
FMV9289W.....	1524
FMV9290W.....	1525
FMV9291E.....	1525
FMV9292E.....	1525
FMV9293E.....	1526
FMV9294I.....	1526
FMV9296W.....	1526
FMV9297W.....	1527

FMV9298W.....	1527
FMV9299I.....	1527
FMV9300I.....	1528
FMV9301E.....	1528
FMV9302E.....	1528
FMV9303E.....	1528
FMV9304E.....	1529
FMV9305E.....	1529
FMV9306E.....	1529
FMV9307E.....	1529
FMV9308E.....	1530
FMV9309E.....	1530
FMV9311E.....	1530
FMV9312S.....	1531
FMV9313E.....	1531
FMV9316T.....	1531
FMV9330E.....	1531
FMV9331W.....	1532
FMV9332E.....	1532
FMV9333E.....	1532
FMV9334E.....	1533
FMV9347W.....	1533
FMV9350E.....	1533
FMV9351E.....	1534
FMV9352E.....	1534
FMV9354E.....	1534
FMV9355E.....	1535
FMV9356E.....	1535
FMV9357E.....	1535
FMV9359W.....	1536
FMV9360W.....	1536
FMV9361W.....	1536
FMV9362W.....	1537
FMV9363W.....	1537
FMV9364E.....	1537
FMV9365E.....	1537
FMV9368W.....	1538
FMV9369W.....	1538
FMV9370W.....	1539
FMV9371I.....	1539
FMV9372E.....	1539
FMV9373E.....	1540
FMV9374E.....	1540
FMV9376E.....	1540
FMV9377E.....	1541
FMV9378E.....	1541
FMV9379E.....	1541
FMV9380E.....	1541
FMV9381I.....	1542
FMV9383E.....	1542
FMV9384W.....	1542
FMV9385W.....	1543
FMV9386W.....	1543
FMV9387W.....	1543
FMV9388E.....	1544
FMV9389W.....	1544
FMV9390W.....	1545
FMV9391W.....	1545
FMV9392W.....	1545
FMV9393W.....	1546
FMV9394W.....	1546
FMV9395E.....	1546
FMV9396W.....	1546
FMV9397W.....	1547
FMV9398E.....	1547
FMV9399W.....	1547
FMV9401E.....	1548
FMV9402E.....	1548
FMV9403E.....	1548
FMV9404E.....	1549
FMV9405I.....	1549
FMV9410W.....	1549
FMV9411E.....	1550
FMV9412E.....	1550
FMV9413E.....	1550
FMV9414E.....	1551
FMV9415E.....	1551
FMV9416E.....	1551
FMV9417E.....	1552
FMV9422I.....	1552

FMV9428E.....	1552
FMV9431E.....	1553
FMV9432W.....	1553
FMV9433E.....	1553
FMV9443E.....	1554
FMV9450W.....	1554
FMV9451E.....	1554
FMV9452E.....	1554
FMV9453E.....	1555
FMV9457E.....	1555
FMV9459E.....	1555
FMV9462E.....	1556
FMV9469E.....	1556
FMV9474E.....	1556
FMV9475W.....	1556
FMV9476I.....	1557
FMV9480E.....	1557
FMV9487W.....	1557
FMV9488E.....	1558
FMV9489E.....	1558
FMV9490E.....	1558
FMV9491E.....	1558
FMV9492E.....	1559
FMV9493E.....	1559
FMV9494E.....	1559
FMV9495E.....	1560
FMV9496E.....	1560
FMV9497W.....	1560
FMV9498W.....	1561
FMV9499W.....	1561
FMV9500W.....	1561
FMV9501W.....	1562
FMV9502W.....	1562
FMV9503I.....	1562
FMV9504W.....	1563
FMV9505E.....	1563
FMV9506E.....	1563
FMV9507E.....	1563
FMV9508W.....	1564
FMV9509W.....	1564
FMV9510E.....	1564
FMV9511E.....	1565
FMV9512E.....	1565
FMV9513E.....	1565
FMV9514E.....	1565
FMV9515E.....	1566
FMV9516E.....	1566
FMV9518E.....	1566
FMV9519W.....	1567
FMV9520E.....	1567
FMV9521E.....	1567
FMV9522E.....	1568
FMV9523E.....	1568
FMV9524W.....	1568
FMV9525E.....	1569
FMV9526E.....	1569
FMV9527E.....	1569
FMV9528W.....	1569
FMV9529W.....	1570
FMV9530W.....	1570
FMV9531E.....	1570
FMV9532W.....	1571
FMV9533W.....	1571
FMV9534W.....	1571
FMV9535E.....	1572
FMV9536E.....	1572
FMV9537E.....	1572
FMV9538W.....	1572
FMV9539E.....	1573
FMV9542E.....	1573
FMV9543W.....	1573
FMV9545E.....	1574
FMV9546E.....	1574
FMV9548W.....	1574
FMV9550W.....	1575
FMV9552E.....	1575
FMV9554E.....	1575
FMV9556E.....	1575
FMV9576E.....	1576
FMV9577E.....	1576

FMV9578E.....	1576
FMV9590E.....	1577
FMV9591E.....	1577
FMV9592E.....	1577
FMV9593E.....	1577
FMV9594E.....	1578
FMV9595E.....	1578
FMV9596E.....	1578
FMV9613E.....	1578
FMV9616E.....	1579
FMV9618W.....	1579
FMV9645W.....	1579
FMV9669W.....	1580
FMV9674W.....	1580
FMV9733E.....	1580
FMV9778E.....	1580
FMV9779E.....	1581
FMV9782S.....	1581
FMV9806W.....	1581
FMV9807W.....	1582
FMV9827W.....	1582
FMV9828W.....	1582
FMV9829W.....	1582
FMV9842E.....	1583
FMV9845E.....	1583
FMV9849W.....	1583
FMV9850E.....	1584
FMV9857W.....	1584
FMV9858E.....	1584
FMV9890W.....	1585
FMV9892E.....	1585
FMV9895W.....	1585
FMV9910E.....	1585
FMV9911E.....	1586
FMV9912E.....	1586
FMV9913W.....	1586
FMV9914W.....	1587
FMV9915E.....	1587
FMV9916I.....	1587
FMV9917E.....	1588
FMV9918E.....	1588
FMV9919E.....	1588
FMV9920W.....	1588
FMV9922I.....	1589
FMV9923W.....	1589
FMV9924W.....	1589
FMV9950W.....	1590
FMV9951I.....	1590
FMV9958E.....	1590
FMV9959W.....	1590
FMV9984W.....	1591
FMV9987W.....	1591
FMV9989W.....	1591
FMV9990W.....	1592
FMV9992E.....	1592
FMV9993E.....	1592
FMV9994W.....	1593
FMV9995W.....	1593
FMV9996W.....	1593
FMV9999E.....	1594
Accessibility features for the IBM Storage® Protect product family.....	1595
Overview	1595
Keyboard navigation	1595
Interface information	1595
Vendor software	1595
Related accessibility information.....	1595
Notices.....	1596
Trademarks.....	1597
Terms and conditions for product documentation.....	1597
Privacy policy considerations	1598
Glossary	1599

List of Tables

Table 1	49
Table 2: Messages prefixes by component	50

Note:

Before you use this information and the product it supports, read the information in “Notices” on page 1596.

This edition applies to version 8, release 2 of IBM Storage® Protect Snapshot (product numbers 5725-X22, 5608-AB8) and to all subsequent releases and modifications until otherwise indicated in new editions.

About this publication

IBM Storage® Protect Snapshot provides the tools and information that is required to create and manage volume-level snapshots on snapshot-oriented storage systems while the applications that contain data on those volumes remain online. Optionally, backups can be sent to IBM Storage® Protect storage.

This publication contains explanations and suggested actions for messages that are issued by all IBM Storage® Protect Snapshot components:

- IBM Storage® Protect Snapshot for UNIX™ and Linux™
- IBM Storage® Protect Snapshot for VMware
- IBM Storage® Protect Snapshot for Windows™
 - Microsoft™ Management Console (MMC) Snap-in and Base System Services
 - Volume Shadow Copy Service (VSS) Requester
- IBM Storage® Protect Snapshot for Microsoft™ Exchange Server
- IBM Storage® Protect Snapshot for Microsoft™ SQL Server

Who should read this guide

The target audience for this publication is system administrators who service IBM Storage® Protect Snapshot components. In this publication, it is assumed that you have a working knowledge of IBM Storage® Protect Snapshot.

Publications

The IBM Storage® Protect product family includes IBM Storage® Protect Plus, IBM Storage® Protect for Virtual Environments, IBM Storage® Protect for Databases, and several other storage management products from IBM®.

To view IBM® product documentation, see [IBM® Documentation](#).

Introduction to IBM Storage® Protect Snapshot messages

IBM Storage® Protect Snapshot components issue messages with prefix FMM, FMF, FMX, FMY, and FMV. The messages are listed and the format of the messages is described.

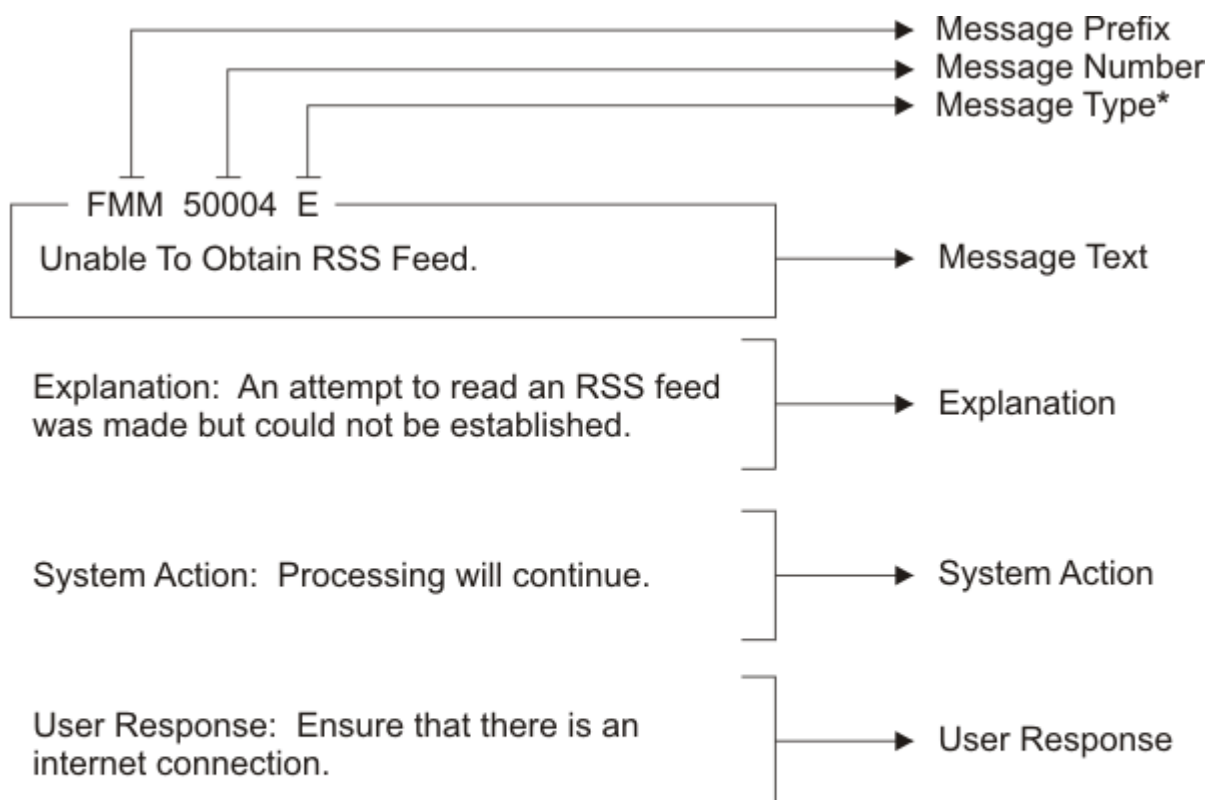
A list of new and changed messages since the previous product modification level is available in the `client_message.chg` file in the installation directory.

IBM Storage® Protect Snapshot message format

Messages consist of the following elements:

- A three-letter prefix.
- A numeric message identifier.
- A one-letter severity code, also called the message type.
- Message text that is displayed on screen and written to message logs.
- Explanation, System Action, and User Response texts. These texts elaborate on the message text, and are accessible only in documentation.

The image presents a typical message. The callouts on the right of the image identify each element of the message.



I = Information
* E = Error
S = Severe Error
W = Warning

The severity codes give an indication of the severity of the issue that generated the message. The severity codes and their meanings are as follows:

Code	Severity	Meaning
S	Severe	The product or a product function cannot continue. User response is required.

Code	Severity	Meaning
E	Error	An error is encountered during processing. Processing might stop. User response might be required.
W	Warning	Processing continues, but problems might occur later as a result of the warning.
I	Information	Processing continues. User response is not necessary.

Message variables in the message text appear in italics.

On IBM Storage® Protect Snapshot for UNIX™ and Linux™ systems and in IBM Storage® Protect Snapshot for VMware environments, some logs append an extra prefix to the message.

In the detailed log, messages are prefixed with a timestamp and a session ID. The session ID can help you determine whether the message was produced from the application or the device. It can help you distinguish different application and device nodes. For DB2® DPF databases, the session ID can help you to determine which DB2® node or which storage cluster was responsible for producing the message.

The following example contains a prefix:

```
15:41:07 (626) FMM8300I tsmACSPartition() returned with code 18.
```

In the summary log, there is an extra prefix that indicates what operation caused the request.

Here is an example of the prefix in the summary log:

```
DB 00:16:48 (92e) FMM1510I New connection received.
```

IBM Storage® Protect Snapshot messages prefixes

Messages have different prefixes to help you identify the component that issues the message. The table identifies the prefix that is associated with each component.

Table 2: Messages prefixes by component	
Prefix	Component
FMM	Common to several components: <ul style="list-style-type: none"> IBM Storage® Protect Snapshot for UNIX™ and Linux™ IBM Storage® Protect Snapshot for Windows™ Microsoft™ Management Console (MMC) Snap-in and Base System Services IBM Storage® Protect Snapshot for VMware
FMF	IBM Storage® Protect Snapshot for Windows™ Microsoft™ Management Console (MMC) Snap-in and Base System Services
FMX	IBM Storage® Protect Snapshot for Microsoft™ Exchange Server
FMY	IBM Storage® Protect Snapshot for Microsoft™ SQL Server
FMV	IBM Storage® Protect Snapshot Volume Shadow Copy Service (VSS) Requester

FMM messages

Messages with prefix FMM are issued by the following IBM Storage® Protect Snapshot components:

- IBM Storage® Protect Snapshot for UNIX™ and Linux™
- IBM Storage® Protect Snapshot for Windows™ Microsoft™ Management Console (MMC) Snap-in and Base System Services
- IBM Storage® Protect Snapshot for VMware

Messages with prefix FMM are also issued by the command-line interface (VMCLI) of IBM Storage® Protect for Virtual Environments, Data Protection for VMware.

FMM common messages

FMM messages in the range 0000-9999 are common messages. Common messages are issued by the following IBM Storage® Protect Snapshot components:

- IBM Storage® Protect Snapshot for UNIX™ and Linux™
- IBM Storage® Protect Snapshot for VMware

IBM Storage® Protect Snapshot common messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMM messages: Profile not specified.

FMM0001E: Profile not specified.

Explanation

Cannot locate the profile.

System action

User response

Ensure that a profile is available. (Oracle) Note that the BACKINT call must have the following form: backint -p init<SID>.utl .

FMM0004E: Function not defined. [*function*]

Explanation

BRTOOLS, BRBACKUP, or BRARCHIVE passed an invalid argument to Data Protection for SAP.

System action

User response

Ensure that you have the correct version of BR*Tools installed. Valid functions are: -f backup or -f restore or -f password or -f delete or -f inquire.

FMM0005I: Start of program at: *time*.

Explanation

The operation started at the time denoted.

System action

User response

None.

FMM0006E: Type for backup not defined [*type*]. Please use 'file' or 'file_online'.

Explanation

Data Protection for SAP expects as the backup type parameter only file or file_online.

System action

User response

If you start Data Protection for SAP manually to do a backup, ensure that the type option (-t) receives the correct arguments (file or file_online). If your Data Protection for SAP has been invoked by one of the SAP database utilities (for example, ****BRBACKUP****), ensure that the SAP backup profile init<SID>.sap is customized correctly.

FMM0007E: Mode *mode* requires the environment variable *environment variables* to be set.

Explanation

Not all environment variables required have been set. At least *environment variables* are missing.

System action

User response

Set the missing environment variables.

FMM0008E: The environment variable *name* is not set correctly. The current value is "*value*".

Explanation

The value of the environment variable *name* is wrong.

System action

User response

Set *name* to an appropriate value.

FMM0009E: The option '*option*' must be specified after the '-t FAKE' option. This is true for all fake relevant options.

Explanation

The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action

Processing ends.

User response

Contact IBM support.

FMM0010E: The option '*option*' contains an invalid argument

Explanation

The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action

Processing ends.

User response

Contact IBM support.

FMM0011E: Semantic errors were detected in the fake definition: '*definition*'

Explanation

The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action

Processing ends.

User response

Contact IBM support.

FMM0012I: command: '*command*'

Explanation

A backup or restore simulation was started by the Administration Assistant. The command line options are shown in the message.

System action

Processing continues.

User response

None.

FMM0020I: End of program at: *time*.

Explanation

The operation ended at the time denoted.

System action

User response

None.

FMM0021I: Elapsed time: *elapsed time*.

Explanation

The time needed for the complete operation was *elapsed time*.

System action

User response

None.

**FMM0023I: Time: *current time* Done: *saved bytes (percent) of bytes*.
Estimated end time: *end time*.**

Explanation

Finished saving a specific object at *current time*. The *saved bytes* amount of the total number of *bytes* have been saved. *percent* shows the percentage. This call will be completed at the estimated *end time*.

System action

User response

None.

FMM0024I: Return code is: *return code*.

Explanation

Finished saving a specific object at *current_time*. The *saved_bytes* amount of the total number of *bytes* have been saved. *percent* shows the percentage. This call will be completed at the estimated *end_time*.

System action

User response

For return codes other than 0, check the run log for warnings or error messages.

FMM0027I: Time: *current time* Object: *current number of total number* in process: *file_name* Size: *size*, management class: *management class*, server: *server name* .

Explanation

Data Protection for SAP started saving *current number* files at *current time*. The total number of files to save is *total number*. The file *file name* is currently being processed. The files are transferred to the IBM Storage Protect server *server name*, which stores them in the management class *management class*.

System action

User response

None.

FMM0032E: Error opening file *file name: system error description*

Explanation

A system error occurred during opening of the file *file name*. *system error description* describes the error in more detail.

System action

User response

Read the *system error description*.

FMM0048E: No password for node *node name* on server *server name* given on command line. When entering passwords in batch mode, you must supply values for all stanzas in the profile.

Explanation

The batch mode of the password function requires a data set for all IBM Storage Protect server stanzas in the profile.

System action

User response

Check the profile for active server stanzas. Use that information and try it again.

FMM0049I: Enter the password for node *node name* on server *server name*:

Explanation

The password for the node *node name* on the IBM Storage Protect server *server name* has to be entered for storing it in the DP for SAP configuration file.

System action

User response

Enter the password for the corresponding IBM Storage Protect server.

FMM0050I: Enter password for node *node name* on server *server name* again:

Explanation

In order to avoid typing errors, you have to enter the password twice.

System action

User response

Enter the password again.

FMM0051I: Password successfully verified for node *node name* on server *server name*.

Explanation

The password for the node *node name* on the IBM Storage Protect server *server name* was changed successfully.

System action

User response

None.

FMM0052E: Password verification for node *node name* on server *server name* failed.

Explanation

The password you entered for the node *node name* on the IBM Storage Protect server *server name* was wrong.

System action

User response

Enter the password again. If this error still exists, contact your IBM Storage Protect administrator.

FMM0053I: Time: *current time* Object: *current number of total number* complete: *file name* with: *bytes* saved with description *object description*.

Explanation

Data Protection for SAP completed saving *current number* file at *current time*. The total number of files to be saved is *total number*. The file *file _name* with the size *bytes* is saved with the description *object description*.

System action

User response

None.

FMM0054I: Time: *current time* Object: *current num of total num* complete: *file name* with: *bytes* restored with description *object description* .

Explanation

Data Protection for SAP completed restoring of *current num* file at *current time*. The total number of files to be restored is *total num*. The file *file name* with the size *bytes* is restored with the description *object description*.

System action

User response

None.

FMM0055I: Object *object name* with *size* saved with description *description*.

Explanation

The object *object name* was saved successfully.

System action

User response

None.

FMM0056I: Object *object name* with *size* restored with description *description*.

Explanation

The object *object name* was restored successfully.

System action

User response

None.

FMM0057I: Time: *current time* Object: *object name* with: *size* saved with description *description*.

Explanation

The object *object name* was saved successfully.

System action

User response

None.

FMM0058I: Time: *current time* Object: *object name* with: *size* restored with description *description*.

Explanation

The object *object name* was restored successfully.

System action

User response

None.

FMM0059E: Data Protection for SAP cannot find the client options file.

Explanation

Data Protection for SAP requires a client options file (<server>.opt) for each IBM Storage Protect server. The client options files must reside in the same directory. This directory must also contain a client options file "dsm.opt". The environment variable DSMI_CONFIG must specify this directory.

System action

User response

Set the environment variable DSMI_DIR to the IBM Storage Protect API installation path. Set the environment variable DSMI_CONFIG to the path of the client options files.

FMM0060E: The command parameter *parameter* is not recognized.

Explanation

The command parameter *parameter* is not recognized.

System action

User response

Check the command syntax and reenter the command.

FMM0061W: The output file *file name* is not valid.

Explanation

The specified output file *file name* could not be created.

System action

User response

Check that *file name* is a valid file name on your operating system. Also check that the application has the appropriate permissions to create the file within the specified directory. The directory must already exist. If the file already exists, rename the old one.

FMM0062E: The input file *filename* is not valid.

Explanation

Unable to read the input file *file name* correctly.

System action

User response

Check the path and name of the input file and the appropriate file access permission.

FMM0063E: The UTL file *file name* is not valid.

Explanation

Unable to read the input file *file name* correctly.

System action

User response

Check the path and name of the profile (UTL file) and the appropriate file access permission.

FMM0064E: The option '*option*' is not recognized.

Explanation

The option is not recognized.

System action

User response

Check the command syntax and reenter the command.

FMM0065E: The argument is missing for option '*option*'.

Explanation

Every option requires an argument.

System action

User response

Check the command syntax and reenter the command.

FMM0101I: Enter '*cont*' to continue or '*stop*' to cancel.

Explanation

If Data Protection for SAP is running in unattended mode (profile keyword BATCH), it terminates the current run if operator intervention is required.

System action

User response

Enter "cont" or "stop".

FMM0102I: Your reply: '*reply*'.

Explanation

The reply you made is confirmed.

System action

User response

None.

FMM0104I: Deleting the data container 'dcid' from the backup 'snapid' in the repository. IBM Storage Protect Snapshot found that the volumes of this data container do not contain a valid snapshot in the storage system.

Explanation

System action

User response

None.

FMM0105I: If the newest FlashCopy targets of the mirror copy sources are space efficient volumes, then they will grow up to the size of the sources.

Explanation

Be aware that the AIX LVM mirror synchronization will change all the tracks of the mirror copy.

System action

Processing continues.

User response

If you are using space efficient target volumes for the mirror copy to be synchronized, then verify the FlashCopy backups and provide enough storage for the growth. You can also evaluate to delete those backups. If multiple target sets are used, then all the other in the chain have to be deleted as well.

FMM0106I: The newest snapshot of the mirror copy will grow up to the size of the sources.

Explanation

Be aware that the AIX LVM mirror synchronization will change all the tracks of the mirror copy.

System action

Processing continues.

User response

Verify the snapshot backups and provide enough storage for the growth. You can also evaluate to delete those backups.

FMM0122I: Backup ID: *backup identifier*

Explanation

The backup ID uniquely identifies the backup that has been created.

System action

Processing continues.

User response

None.

FM0123E: Option -i <backup_list> not specified.

Explanation

The function -f getresources requires the specification of the option -i <backup_list> too.

System action

User response

Ensure that you transfer the list of the files to back up when you call the function -f getresources. Note that in this case the splitint call must have the following form: <path>/splitint -p <path>/init<SID>.fcs -f getresources -i <backup_list>...

FM0124E: The LUN '*LUN name*' on the datastore '*datastorename*' is not part of a storage subsystem supported by IBM Storage Protect Snapshot.

Explanation

IBM Storage Protect Snapshot cannot backup the specified datastore because it contains at least one LUN of a storage subsystem which is not supported.

System action

Processing ends.

User response

At least one LUN of the specified datastore is not part of a storage subsystem that is supported by IBM Storage Protect Snapshot. Remove the LUN from the datastore.

FM0127E: The backup corresponding to this consistency group *cg* cannot be deleted as it is not the oldest in the cascade of dependent flashcopy maps.

Explanation

The specified backup is not the oldest in a cascade of flashcopy maps and cannot be deleted as it has dependencies with the remaining maps in the cascade.

System action

Process stops.

User response

This operation can be retried when there are no longer any more dependencies on this backup.

FMM0128E: The '*disk names*' virtual disk(s) of the virtual machine '*VM name*' have a disk type which is not supported by IBM Storage Protect Snapshot. The virtual machine is not included in the backup.

Explanation

The specified virtual disks of the specified virtual machine have a type which is not supported by IBM Storage Protect Snapshot. The specified virtual machine will not be included in the backup and not be restorable.

System action

Processing continues.

User response

Change the disk type to a type that is supported by IBM Storage Protect Snapshot. Please refer to the User's manual or the Pre-Installation checklist for details.

FMM0129E: The following error was returned by the vSphere(TM) API: '*vSphere error*'.

Explanation

The vSphere(TM) API issued the specified error.

System action

Processing ends.

User response

Try to interpret the vSphere error message and to fix the cause of the issue.

FMM0136I: Start of the reconciliation between the IBM Storage Protect Snapshot repository and the storage system.

Explanation

IBM Storage Protect Snapshot is checking the validity of the backups listed in the repository in the storage system.

System action

User response

None.

FMM0137I: End of the reconciliation.

Explanation

IBM Storage Protect Snapshot is finished checking the validity of the backups listed in the repository in the storage system.

System action

User response

None.

FMM0138I: Time stamp: *current_time*.

Explanation

IBM Storage Protect Snapshot performs several tasks in sequence (for example, initiate the FlashCopy of source volumes on the production system and mount file systems on the backup system). Tracking the various time stamps allows analysis of how long each task took.

System action

User response

None.

FMM0142I: Snapshot started ...

Explanation

The command with the 'flashcopy' function has been issued on the production system, and the program splitint waits until this action has finished.

System action

User response

None.

FMM0143I: Snapshot successful.

Explanation

The command for the snapshot-based copy of the volume pairs has completed successfully on the production system.

System action

User response

None.

FMM0144W: Information from DP for mySAP was not found.

Explanation

The exchange data between IBM Storage Protect Snapshot and IBM Storage Protect for ERP was not found. The information is exchanged through the call of the IBM Storage Protect Snapshot's function ?set_bki_info? by

backint before the IBM Storage Protect Snapshot backup. For older versions, the information is first exchanged after the IBM Storage Protect Snapshot backup during the execution of the unmount function. Either the IBM Storage Protect for ERP you have installed does not support IBM Storage Protect Snapshot, or IBM Storage Protect for ERP has failed after a successful FlashCopy and mount.

System action

User response

Check the run logs of tsm4acs. This error could have various reasons and should be resolved depending on the specific situation: Case 1: tsm4acs has finished successfully. Result: The backup on disk (FlashCopy target volumes) as well as the one done to the IBM Storage Protect server are valid. However, IBM Storage Protect Snapshot cannot show the backup ID in its report when using the function "inquire". Reason for warning: It is very likely that IBM Storage Protect for ERP (AIX version) does not have IBM Storage Protect Snapshot support (prior to version 3.1.0.3). Action: Install the appropriate IBM Storage Protect for ERP version. Case 2: tsm4acs has terminated abnormally. Result: Carefully check the run log of tsm4acs for any BKI, ANS or ANR error messages. Most likely, the backup on disk (FlashCopy target volumes) is valid (check with splitint -f inquire whether PSI is PSI_MOUNT_DONE or PSI_UNMOUNT_DONE), but the backup to the IBM Storage Protect server is invalid. Cause: Problems with the network or on the IBM Storage Protect server caused IBM Storage Protect for ERP to fail when running a backup. Action: Depending on the error message, eliminate the reason for not getting a successful backup to the IBM Storage Protect server.

FMM0147I: The IDS control file exists and a new backup cycle entry has been created.

Explanation

At the start of the function -f getresources, IBM Storage Protect Snapshot inserts a record in the IDS control file for the new backup cycle. This record is updated as the status of the new backup cycle changes (such as FlashCopy target volumes/file systems being mounted or unmounted).

System action

User response

None.

FMM0148E: The backup ID was not passed by DP for mySAP. This snapshot backup cannot be used for snapshot restore.

Explanation

Before this error, the warning IDS1041W is displayed. The backup ID is mandatory for using a snapshot backup for the restore.

System action

User response

To use snapshot restore, ensure that you have installed DP for SAP (backint) version 3.3.10 or higher.

FMM0149E: The IDS control file is corrupt!

Explanation

System action

User response

FMM0150I: The IDS control file '*ids_control_file*' does not exist, it will be created.

Explanation

IBM Storage Protect Snapshot writes the first record to the IDS control file specified in the entry IDS_CONTROL_FILE of the profile.

System action

User response

None.

FMM0151E: The IDS control file has no entry.

Explanation

IBM Storage Protect Snapshot has found the IDS control file, but it has no records. This error occurs when you start one of the functions inquire, withdraw or unmount before you have run the 'flashcopy' function for the first time.

System action

User response

The problem is resolved after you run at least one tsm4acs with a successful FlashCopy.

FMM0152E: The IDS control file must be read or inserted before update.

Explanation

IBM Storage Protect Snapshot has detected a logical error when processing the IDS control file.

System action

User response

Contact IBM Storage Protect for ERP support.

FMM0153W: The value of the field '*field_name*' in the file '*file_name*' is empty.

Explanation

The program tsm4acs updates the IDS repository after the IBM Storage Protect backup but also in case of a disk-only backup. A temporary file is created with the following format: >>> backint_data BID <backup id> UTL <name of the application profile used> INF <DPF backup ID> EBC <log directory> EBB <backup type> EBR <first active log> <<< backint_data >>> input_file <file list> <<< input_file If one of the fields of the topic ? backint_data? is empty (that is, missing), this message is displayed. If the backup ID is empty, the process terminates with error IDS1036E.

System action

User response

None.

FMM0154W: Info data from DP for mySAP /tmp/bki<SID>.ids cannot be read.

Explanation

Before the unmount process, IBM Storage Protect Snapshot reads /tmp/bki<SID>.ids, which contains information about the backup that was done by IBM Storage Protect for ERP. Among the information read is: • Backup ID • Util file used for the backup • A list of the files used for the backup • The backup type This message is issued if IBM Storage Protect for ERP terminated unsuccessfully for some reason.

System action

User response

Ensure that IBM Storage Protect for ERP runs successfully.

FMM0155I: The maximum number of backup cycles in the IDS control file has been reached.

Explanation

The maximum number of backups controlled via the parameter BACKUP_MAX will be exceeded with the new inserted record. If the parameter is not set, the program uses the default value of 30.

System action

User response

None.

FMM0156I: Delete backup cycle with BSEQ_N = *bseq_n* and all the associated files ...

Explanation

The program deletes the oldest record with the backup sequence number <bseq_n> because the maximum number of records has been reached. In addition, the oldest reports and traces associated with that backup cycle are deleted.

System action

User response

None.

FMM0157W: Directory Path '*directory*' for the report files does not exist. Using the current directory.

Explanation

The directory entry of the parameter LOG_TRACE_DIR in the profile could not be found. The current directory is used for the log and trace files.

System action

User response

To avoid directories cluttered with reports and traces, the parameter LOG_TRACE_DIR should be used, or the directory it specifies must be created if necessary.

FMM0158I: Start of listing of importing volume groups/mounting file systems ...

Explanation

After initiating the FlashCopy source/target volumes on the production system, IBM Storage Protect Snapshot makes the corresponding target volumes available to the backup host. A list of mount points or volume groups is shown.

System action

User response

None.

FMM0159I: End of listing.

Explanation

This message marks the end of the list of mount points or volume groups.

System action

User response

None.

FMM0160I: The unmount process will be skipped because the progress status indicator (PSI) has a value of '*psi*'.

Explanation

When the 'withdraw' function is started, the unmount process is performed only if the PSI has a value of PSI_MOUNT_STARTED or PSI_MOUNT_DONE.

System action

User response

The documentation shows the permissible functions depending on the backup progress status indicator.

FMM0162E: The version of the splitint program must be the same on the backup and production system.

Explanation

The version of IBM Storage Protect Snapshot on the production system is different from the version on the backup system.

System action

User response

Ensure that you install the same version of IBM Storage Protect Snapshot on the production and backup systems. You obtain the version number when you start splitint without parameters.

FMM0163I: Enter the password for the user '*user ID*' :

Explanation

The password for the user ID <user ID> has to be entered. It is encoded and stored in a file specified in the parameter CONFIG_FILE. Note that this user ID and password must be the same on the production and backup systems. The IBM Storage Protect Snapshot program splitint uses the user ID to execute a remote shell on the production system.

System action

User response

Enter the password for the corresponding user ID.

FMM0164I: Enter the password for the user '*user ID*' again:

Explanation

To avoid typing errors, you must enter the password twice.

System action

User response

Enter the password again.

FMM0165I: The password entry does not match, please try again.

Explanation

The two entered passwords are not identical. You must enter the password again.

System action

User response

Enter the password again. You are permitted three attempts before the program terminates.

FMM0166E: No password stored.

Explanation

The two entered passwords are not identical. You have tried three times, and the passwords were different in each case.

System action

You must start the splitint program with the function -f password again. If no password is stored, or it is invalid, splitint fails when the 'flashcopy' function is used.

User response

FMM0167E: The config file named '*config_file*' could not be opened. Please call 'splitint' with the function 'password' to create this file.

Explanation

IBM Storage Protect Snapshot is unable to read the configuration file <config_file>.

System action

User response

This error could have various reasons. Try the following: 1. Call splitint with the 'password' function to create the file. 2. Check the path of the configuration file. The path must be specified in the profile (parameter CONFIG_FILE). 3. Make sure that the file access permissions are set correctly.

FMM0172I: Start of listing of exported volume groups/unmounting file systems ...

Explanation

A list of unmount points or exported disk groups is shown. Due to the use of the unmount function on the backup host, IBM Storage Protect Snapshot unmounts the file systems and export volume groups on the backup host that had been imported or mounted when the IBM Storage Protect Snapshot 'flashcopy' function was executed.

System action

User response

None.

FMM0173I: Start of withdraw of the target-source pairs ...

Explanation

The command with a withdraw has been issued from the backup system to the primary Copy Services server for the storage system.

System action

User response

None.

FMM0177E: You cannot run the function '*function*' if the progress status indicator (PSI) has a value of '*psi*'.

Explanation

The backup cycle was left in a state that does not allow IBM Storage Protect Snapshot to start the specified function.

System action

User response

The documentation shows the permissible functions depending on the backup progress status indicator.

FMM0182E: The option -f flashback can only be used on the production system.

Explanation

System action

User response

FMM0183E: Topic named '*topicname*' could not be found in the file '*filename*'.

Explanation

IBM Storage Protect Snapshot was able to read the file <filename> but the expected entry for the topic <topicname> was not found.

System action

User response

If the affected file is in the directory denoted by the parameter VOLUMES_DIR, check whether the topic name has the format: >>> volumes_set_# Where # is a placeholder for the volume set number (1, 2, etc.) If the affected file is another file, you likely have another error prior to this one. Otherwise, contact IBM Storage Protect for ERP support.

FMM0184E: The source volume <serial number> cannot be specified as a target volume in the .fct file.

Explanation

IBM Storage Protect Snapshot found one of the source volumes in the list of target volumes in the init<SID>.fct file.

System action

User response

Ensure that the target volumes list in init<SID>.fct does not contain any of the source volumes.

FMM0185E: No target volumes were specified for the set '*volumes_set_#*' in the file '*filename*'.

Explanation

IBM Storage Protect Snapshot has read file <filename> in the directory specified by VOLUMES_DIR. The format of the file is correct, but the list of target volumes is missing.

System action

User response

See the description of the target volumes file in the documentation.

FMM0186E: The backup ID (timestamp) is empty. This snapshot backup cannot be used for a snapshot restore.

Explanation

Before this error, the warning IDS1041W is displayed. The backup ID (timestamp) is mandatory for using a FlashCopy backup for the restore. The program tsm4acs was not able to generate a timestamp.

System action

User response

Check for preceding errors. Check whether the backup to IBM Storage Protect ended successfully.

FMM0187I: Creating a semaphore for the critical part of importing/exporting ...

Explanation

When multiple production systems run a backup via a single backup system at the same time, IBM Storage Protect Snapshot ensures that the critical parts of the code run for a single instance of the program at a time. These phases are: 1. When the FlashCopy has been done and resources (volume groups and file systems) are being enabled 2. Before the FlashCopy relationship is withdrawn and resources (volume groups and file systems) are being disabled. For this synchronization process, a semaphore with the fixed key 0x88886666 is created

System action

User response

None.

FMM0188I: Trying to set the semaphore for the critical part of importing/exporting ...

Explanation

If the IBM Storage Protect Snapshot semaphore is already allocated, the program waits until it is released. Otherwise, the program sets it and pass into the critical part of the run. Another instance arriving at this point now has to wait for the release of the semaphore.

System action

User response

None.

FMM0189I: Semaphore released.

Explanation

After the program has passed the critical part of the run, the semaphore is released.

System action

User response

None.

**FMM0190W: The semaphore could not be created. System error *sys_errno*:
*sys_message***

Explanation

If IBM Storage Protect Snapshot could not create the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action

User response

Check the system error number and message with the system administrator.

**FMM0191W: The semaphore could not be initialized. System error *sys_errno*:
*sys_message***

Explanation

If IBM Storage Protect Snapshot could not initialize the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action

User response

Check the system error number and message with the system administrator.

**FMM0192W: The semaphore could not be allocated. System error *sys_errno*:
*sys_message***

Explanation

If IBM Storage Protect Snapshot could not allocate the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action

User response

Check the system error number and message with the system administrator.

**FMM0193W: The semaphore could not be released. System error *sys_errno*:
*sys_message***

Explanation

If IBM Storage Protect Snapshot could not allocate the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action

User response

Check the system error number and message with the system administrator.

**FMM0196I: This is your last chance to stop the Snapshot Restore. Enter 'c[ont]'
to continue, 's[top]' to cancel.**

Explanation

IBM Storage Protect Snapshot asks the user a last time before the program begins with the restore process. The original data is overwritten with the data of the snapshot backup.

System action

User response

Be sure that you want to restore from the FlashCopy backup.

**FMM0199W: One or more errors were found disabling the production system
resources.**

Explanation

Before the actual snapshot restore to the database volume occurs, IBM Storage Protect Snapshot does the following: 1. Unmounts the database file systems 2. For LVM mirroring: • Remove the mirror copies from the logical volumes • Remove the mirror physical volumes from the volume groups 3. Remove the volume group from the AIX ODM One or more of these operations have ended with errors. IBM Storage Protect Snapshot issues a warning but the snapshot restore continues.

System action

User response

None.

FMM0200E: The following remote mirror relationships are not assigned to a consistency group: '*list of rc relations*'.

Explanation

IBM Storage Protect Snapshot is configured to take the FlashCopy from the remote cluster. However the remote mirror relationships listed in this message are not assigned to a consistency group.

System action

The software process ends.

User response

Add the remote mirror relationships identified in this message to the one unique consistency group containing all the remote relationships.

FMM0201E: The NLS catalog could not be loaded. Make sure that the catalog <*fully_qualified_catalog_name*> exists.

Explanation

DP for Snapshot Devices uses an English NLS catalog for the LVM and storage-system parts of the product. The installation process copies the catalog to the displayed path.

System action

User response

Check for errors during the installation procedure.

FMM0202E: You cannot run the function '*function*' if the restore status indicator (RSI) on target set '*id*' has a value of '*RSI_START*'.

Explanation

If the restore status RSI of the target set has a value of RSI_START, then a snapshot restore is still running in the background. You cannot start a FlashCopy backup again until the background copy to the database volume is finished. In this case the RSI value is either RSI_DISKONLY or in case of LVM mirroring RSI_DISKANDLVM.

System action

User response

Wait until the FlashCopy background process is finished.

FMM0203E: The following Metro or Global Mirror target volumes are in different clusters: '*listOfVdisks*'.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Metro Mirror or Global Mirror target volumes to be in the same SVC cluster.

System action

The software process ends.

User response

Move the Metro Mirror or Global Mirror target volumes identified in this message to a unique target SVC cluster.

FMM0204E: Parameter TAKEOVER_HOST_NAME is required in the storage section of the profile for a restore into the takeover host.

Explanation

For a remote restore on the takeover host to be started, IBM Storage Protect Snapshot software requires the parameter TAKEOVER_HOST_NAME to be specified in the section DEVICE_CLASS of the profile.

System action

The software process ends.

User response

Specify the parameter TAKEOVER_HOST_NAME in the section DEVICE_CLASS for remote FlashCopy backups using the same value as defined in the storage systems.

FMM0205I: The database is now ready for Snapshot.

Explanation

System action

User response

FMM0206E: The source volumes are in multiple remote consistency groups.

Explanation

The remote FlashCopy cannot start when the source and target volumes are in multiple remote consistency groups.

System action

The software process ends without starting the remote FlashCopy.

User response

Change the relationship between the source and target volumes. For the remote FlashCopy to start, the source and target volumes must be in the same remote consistency group.

FMM0207E: The following source volumes are either not in a remote mirror relationship or not the master volume: *'list of volumes'*.

Explanation

IBM Storage Protect Snapshot is configured to take the FlashCopy from the remote cluster. However the volumes listed in this message are not in a remote mirror relationship or they are not the master volume in a relation.

System action

The software process ends.

User response

For the source volumes identified in the message, place the volumes in a remote mirror relationship or define the source volume as the master volume.

FMM0208E: The state *'cgstate'* of the Metro Mirror consistency group *'cgname'* is not valid for a consistent FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Metro Mirror consistency group to be in a consistent synchronized state.

System action

The software process ends.

User response

The consistency group that contains the Metro Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Metro Mirror consistency group should be in a consistent synchronized state.

FMM0210W: The following Global Mirror consistency group is still copying: *'cgname'*.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state.

System action

The software process continues.

User response

The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Global Mirror consistency group should be in a consistent synchronized state.

FMM0211I: Waiting '*resttime*' seconds, but not exceeding the value TIMEOUT_FLASH of '*timeout*' seconds ...

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Storage Protect Snapshot runs maximal the time specified by the parameter TIMEOUT_FLASH to wait until the consistency group becomes the state 'consistent synchronized'.

System action

None.

User response

None.

FMM0212I: New assigned Backup Sequence Number *backup sequence number*

Explanation

System action

User response

FMM0213E: IBM Storage Protect Snapshot does not overwrite the ACS_REPOSITORY *repository path* created with Tivoli Storage Manager for Advanced Copy Services(R) as this would invalidate all FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services(R). If you specify a different path for parameter ACS_REPOSITORY, you can continue to restore FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services(R) until the target set is reused by IBM Storage Protect Snapshot. Optionally, you can remove the current ACS_REPOSITORY if it is acceptable to lose FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services(R). In either case, backups to IBM Storage Protect created by Tivoli Storage Manager for Advanced Copy Services(R) remain available for restore.

Explanation

The value for parameter ACS_REPOSITORY points to a repository that was created by Tivoli Storage Manager for Advanced Copy Services(R). Backups created with Tivoli Storage Manager for Advanced Copy Services(R) can not be restore with IBM Storage Protect Snapshot.

System action

Processing stops.

User response

Specify a different path for the ACS_REPOSITORY. The backups created with Tivoli Storage Manager for Advanced Copy Services(R) will remain intact and can be restored using Tivoli Storage Manager for Advanced Copy Services(R). If all the backups created with Tivoli Storage Manager for Advanced Copy Services(R) are no longer required please delete the entire directory and try again.

FMM0214W: The restore status indicator (RSI) has a value of '*RSI_INVALID*' on target set '*id*'.

Explanation

If the restore status RSI of the target set has a value of RSI_INVALID, this means that a snapshot restore was initiated but did not terminate. Nevertheless, IBM Storage Protect Snapshot issues this warning and continue with the FlashCopy backup.

System action

User response

Check whether the FlashCopy backup ended successfully.

FMM0215E: The state of the Global Mirror consistency group has not become the value '*consistent synchronized*' inside the required periode of time.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Storage Protect Snapshot waits, for the maximum amount of time specified by the parameter TIMEOUT_FLASH, for the consistency group to change to the '*consistent synchronized*' state. If the consistency group does not change to the '*consistent synchronized*' state, this error message is displayed.

System action

The software process ends.

User response

The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Metro Mirror consistency group should be in a consistently synchronized state.

FMM0216E: The state '*cgstate*' of the Global Mirror consistency group '*cgname*' is not valid for a consistent FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state.

System action

The software process continues.

User response

The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Global Mirror consistency group should be in a consistent synchronized state.

FMM0217E: The primary source volume with serial number '*sernumber*' is attached to the local host. A remote backup can only be restored on the takeover host.

Explanation

Remote restore cannot be performed from the host on the local site. Perform restore from the takeover host on the remote site instead.

System action

The software process ends.

User response

Retry remote restore on the takeover host at the remote site.

FMM0218E: The storage device has not the minimum required firmware version '*version*'. '*release*'. '*revision*' installed.

Explanation

For a remote FlashCopy to be started on Global Mirror with Change Volumes, IBM Storage Protect Snapshot software requires a minimum firmware level on the storage device.

System action

Processing ends.

User response

Upgrade the firmware version on the storage device and try the operation again.

FMM0219E: A timeout occurred while waiting for the '*cgroupname*' consistency group that contains the Global Mirror relationships with Change Volumes to be synchronized on remote site.

Explanation

For a remote FlashCopy to be started on a Global Mirror with Change Volumes, IBM Storage Protect Snapshot requires the Global Mirror consistency group to be in a consistent synchronized state.

System action

Processing ends.

User response

The consistency group that contains the Global Mirror relationships, between the source and target volumes, must be started before the FlashCopy backup begins. In addition, lower the Cycling Period time and try the operation again.

FMM0220E: The Global Mirror 'cgname' consistency group must have change volumes assigned.

Explanation

For a remote FlashCopy to be started on a Global Mirror, IBM Storage Protect Snapshot requires that the Global Mirror consistency group has the change volumes function assigned.

System action

Processing ends.

User response

Create change volumes for the consistency group that contains the Global Mirror relationships.

FMM0225I: Enabling the volumes and filesystems ...

Explanation

After the FlashCopy, the target volumes attached to the backup machine are imported in the operating system and the file systems are mounted.

System action

User response

None.

FMM0226E: The following line could not be parsed:*infile line*

Explanation

The specified line contains a syntax error. It cannot be parsed.

System action

Processing ends.

User response

Correct the syntax on the line and retry the operation.

FMM0227E: The address of the datastore '*datastore URL*' is not valid. It is not part of the backup.

Explanation

The specified datastore that is part of this input file cannot be found. It will not be included in the backup and not be restorable.

System action

Processing continues but the specified datastores will not be included in the backup.

User response

Correct the input file so that it contains a valid datastore URL if this datastore is to be included in the backup.

FMM0228E: No virtual machines are available for processing after the input file is evaluated.

Explanation

After the input file has been evaluated, there are no virtual machines that can be processed.

System action

Processing ends.

User response

Verify that the input file contains all the virtual machines that should be evaluated. Modify your input file so that there are virtual machines to process.

FMM0229E: The datastore '*datastore name*' contains LUNs from more than one storage subsystem. IBM Storage Protect Snapshot can support LUNs from only one storage subsystem.

Explanation

The specified datastore contains LUNs from different storage subsystems.

System action

Processing ends.

User response

Modify the datastore so that it contains only LUNs from one storage subsystem.

FMM0230E: The backup type '*backup type*' is not valid.

Explanation

The specified backup type is not valid.

System action

Processing ends.

User response

Change the value to a valid backup type.

FMM0231W: The raw device-mapping disk(s) '*disk names*' of the virtual machine '*VM name*' are excluded from backup. A later restore of the virtual machine is possible, but the restore does not include these disks.

Explanation

The specified virtual disk(s) of the specified virtual machine are raw device-mapping disks which are not included in the hardware snapshot backup. Hence, a restore of the virtual machine only restores its standard virtual disks but not the raw device-mapping disks.

System action

Processing continues.

User response

The raw device-mapping disks might be re-added manually after the virtual machine has been restored.

FMM0232I: Deleting the remote mirror relationships for the consistency group: '*cgroupname*'.

Explanation

For a remote FlashCopy backup to be restored into the takeover host, IBM Storage Protect Snapshot software requires to delete the remote copy relationships if the SVC version used is earlier than 6.2.

System action

The software process continues.

User response

None.

FMM0233W: For the virtual machine '*VM name*' the backup mode `SNAPSHOT_INCL_MEM` is changed to `SNAPSHOT_EXCL_MEM` because it has independent disk(s) attached: '*disk names*'.

Explanation

In principle, vSphere(TM) does not support snapshots including the virtual machine's memory for virtual machines with independent disks attached. However, snapshots excluding the virtual machine's memory are supported. For the specified virtual machine the snapshot mode is changed from including to excluding memory to allow the backup process to proceed.

System action

Processing continues.

User response

A snapshot that excludes the virtual machine's memory is not as consistent as a snapshot that includes the virtual machine's memory. Snapshot consistency also depends on the application and the precautions in place to ensure a consistent state before the backup is performed. As an alternative, the backup mode can be set to SUSPEND.

FMM0234W: The raw device-mapping disk(s) '*disk names*' of the virtual machine '*VM name*' were excluded during backup. Thus the restored virtual machine does not include these disks.

Explanation

The specified virtual disk(s) of the specified virtual machine are raw device-mapping disks that are not included in the snapshot backup. When the virtual machine is restored those are removed from its configuration.

System action

Processing continues.

User response

The raw device-mapping disks might be re-added manually after the virtual machine has been restored.

FMM0235I: Stopping the remote mirror relationships for the consistency group: '*cgname*'.

Explanation

For a remote FlashCopy backup to be restored into the takeover host, IBM Storage Protect Snapshot software requires to stop the remote copy relationships if the SVC version used is 6.2 or higher.

System action

The software process continues.

User response

None.

FMM0236I: Disabling the volumes and filesystems ...

Explanation

Before the snapshot restore from the backup to the production volumes, the production volumes and file systems are disabled. The following actions are started:

- Unmount
- Remove devices
- Remove logical volumes
- Vary off the volume group
- Export volume groups.

System action

User response

None.

FMM0237I: Starting the remote mirror relationships for the consistency group: '*cname*'.

Explanation

For a remote FlashCopy backup to be restored into the takeover host, IBM Storage Protect Snapshot software requires to stop the remote copy relationships if the SVC version used is 6.2 or higher. After the restore is complete, IBM Storage Protect Snapshot will restart the remote mirror relationships.

System action

The software process continues.

User response

None.

FMM0238W: The original resource pool path cannot be found: '*resource pool name*'. The virtual machine '*VM name*' is restored to the root resource pool of the host '*host name*'.

Explanation

The named virtual machine cannot be associated to the vApp or resource pool. The vApp or resource pool that it was associated to during the backup process is not available at restore time. In the intervening time between backup and restore, the vApp was deleted, renamed, or moved.

System action

Processing continues.

User response

After the restore process is completed, the virtual machine can be reassigned to either the appropriate resource pool or vApp.

FMM0239W: The raw device mapped disk(s) '*disk names*' of the virtual machine '*VM name*' were excluded during backup. Thus, they have been removed from the configuration of the attached virtual machine.

Explanation

The specified virtual disk(s) of the specified virtual machine are raw device mapped disk that are not included in the snapshot backup. When the virtual machine is attached those are removed from its configuration.

System action

Processing continues.

User response

Raw device mapped disks might be re-added manually to the attached virtual machine.

FMM0240E: The parameter `HARDWARE_ID_LVM_MIRROR` for the target set '`target_set_id`' is set in the .fct-file '`file_name`', but the production logical volumes are not mirrored.

Explanation

The `HARDWARE_ID_LVM_MIRROR` parameter should only be used in an LVM mirror environment.

System action

User response

If you want to use this feature you need to mirror the production logical volumes on source volumes residing on different hardware units. Otherwise, remove the parameter `HARDWARE_ID_LVM_MIRROR` from the .fct file.

FMM0261I: A disk-only backup (option -d) was invoked, forcing the parameter '`FLASHCOPY_TYPE`' of the .fcs-file to '`COPY`'.

Explanation

If you specified a disk-only backup via the parameter -d and the parameter '`FLASHCOPY_TYPE`' of the .fcs file has the value of `NOCOPY`, IBM Storage Protect Snapshot sets the value to `COPY`.

System action

User response

None.

FMM0265W: A new background monitor has been started. The currently registered background monitor will shut down now and the new background monitor will be used for further processing.

Explanation

A second background monitor has been registered at the management daemon. Since only one background monitor is allowed to be registered the currently registered background monitor will be shut down now.

System action

The old background monitor will be shut down.

User response

Check your configuration. Only one background monitor should be running.

FMM0266E: The storage device <storage device> is not supported.

Explanation

System action

User response

FMM0267I: Adding the remote mirror relationships to the consistency group: 'cgnam'.

Explanation

For a remote FlashCopy backup to be restored into the takeover host, IBM Storage Protect Snapshot software requires to delete the remote copy relationships if the SVC version used is 6.1 or lower. After restore completes, IBM Storage Protect Snapshot adds the remote mirror relationships to the consistency group.

System action

The software process continues.

User response

None.

FMM0268E: The information of the source / target volumes could not be found.

Explanation

The executable file 'splitint' is started automatically as a daemon (sometimes referred as the background monitoring process) to monitor the background copy. An attempt to obtain the status of the copy process has failed.

System action

User response

Check the error log file splitint_[p|b]_runagent_#####mddHHMMSS.log in the directory specified in the parameter LOG_TRACE_DIR of the .fcs file. Check the availability of the storage system using the applicable tool (STORWATCH Specialist, DS Storage Manager, or SVC console). Check the parameters in the .fcs file: • COPYSERVICES_PRIMARY_SERVERNAME • COPYSERVICES_SERVERPORT • COPYSERVICES_USERNAME Also verify the availability of the CIM agent and its connection to the storage system as described in the storage-system documentation.

FMM0281W: Warning: Could not connect to the admin assistant.

Explanation

System action

User response

FMM0282E: The incremental FlashCopy cannot be refreshed. Possible reasons are:1. You added a new source volume2. You tried to start an offline FlashCopy Backup after an online FlashCopy Backup
Problem solution: Run the withdraw function with option '-n TargetSetID'and afterwards restart the FlashCopy Backup.

Explanation

System action

User response

FMM0283E: The incremental FlashCopy cannot be refreshed.The source/target pairs are not in an incremental FlashCopy relation.
Problem solution: Run the withdraw function with option '-n TargetSetID'and afterwards restart the FlashCopy Backup.

Explanation

System action

User response

FMM0285W: All source/target pairs are in an incremental FlashCopy relation.DP for Snapshot Devices will override the value '*flashcopy type*' of the parameterFLASHCOPY_TYPE to 'INCR'.

Explanation

System action

User response

FMM0286I: All source/target pairs are in an incremental FlashCopy relation.

Explanation

System action

User response

FMM0287I: No source/target pairs are in an incremental FlashCopy relation.

Explanation

System action

User response

FMM0288I: Not all source/target pairs are in an incremental FlashCopy relation.

Explanation

System action

User response

FMM0309E: Cannot read file: *filename*.

Explanation

IBM Storage Protect Snapshot is unable to read the data file <filename>.

System action

User response

Check the access permissions of the affected file and try again.

FMM0310E: Cannot write file: *filename*.

Explanation

IBM Storage Protect Snapshot is unable to write to the data file filename. The affected files could be: • <LOG_TRACE_DIR>/splitint_b_ <date_time_stamp>.log • <LOG_TRACE_DIR>/splitint_p_ <date_time_stamp>.log • <LOG_TRACE_DIR>/splitint_b_ <date_time_stamp>.trace • <LOG_TRACE_DIR>/splitint_p_ <date_time_stamp>.trace • <config_file> • <ids_control_file> • the field value EXCHANGE_FILE in a backup cycle record.

System action

User response

Check the access permissions of the affected file and try again.

FMM0311E: Request canceled by user

Explanation

(Oracle) BACKINT terminated at user's request. (DB2) Program terminated at user's request.

System action

User response

None.

FMM0312E: The '*datastore name*' datastore is not attached to a host.

Explanation

The specified datastore is not attached to a host. The current operation cannot continue.

System action

Processing ends.

User response

Exclude the datastore from the current operation or attach it to a host.

FMM0313E: Environment variable *env_var* is not correct!

Explanation

This error can occur when the environment variable is set but contains a non-existent directory path.

System action

User response

Check the value of the environment variable and try again.

FMM0314E: File not found or not accessible: '*filename*'.

Explanation

The file <filename> was not found or is not accessible to IBM Storage Protect Snapshot.

System action

User response

Check path, name and the permissions of the file and try again.

FMM0315E: The effective user ID of the process could not be set to the user 'userid'.

Explanation

One of the following cases can cause this error: • The access rights for splitint are not set to 4750. Because the s-bit is not set, IBM Storage Protect Snapshot cannot switch between the users 'db2<sid>' and 'root' during the execution of the program. • The file system that splitint is installed in was mounted with the NOSUID option.

System action

User response

• Check the splitint file in the directory /usr/tivoli/tsm/acssap/db2/x.y.z, and set the access rights for splitint with chmod 4750 splitint. After the installation, the command ls -l splitint.... outputs a line such as: -rwsr-x--- 1 root dba 1918611 Apr 11 17:09 splitint (This is what setup.sh would do if you had used it.) • If the file system that splitint is installed in was mounted with the NOSUID option, mount the file system with SUID allowed.

FMM0318W: Warningcolon; File '*file name*' still exists on the backup system.

Explanation

IBM Storage Protect Snapshot checks at the start of the function flashcopy if any of the files passed in the file list still exist on the backup system. If so, this warning is issued. Normally, none of the files should exist because the withdraw function, which should run before the FlashCopy, unmounts the files systems, varies them offline, exports the volume groups, and removes the devices.

System action

User response

Always run the function withdraw before starting the FlashCopy again.

FMM0320W: The free space in the file system containing the directory *path* is only *amount*MB.

Explanation

The existing free space of the file systems containing the following directories is checked: • The database home directory and • The directory specified by the parameter LOG_TRACE_DIR in the .fcs file and • The directory containing the idssave file specified by the parameter IDS_CONTROL_FILE in the .fcs file. IBM Storage Protect Snapshot warns you if the free space of these file systems falls below 50 MB. If it is under 5 MB an error is issued and the program fails, throwing an exception.

System action

User response

Ensure that the free space on these file systems is large enough.

FMM0321E: IBM Storage Protect Snapshot requires a free space of at least 5 MB in the file system containing the directory *path*.

Explanation

If the free space of the checked file systems (see the explanation for IDS1310W) is under 5 MB this error message is issued and the program fails throwing an exception.

System action

Processing stops.

User response

Ensure that the free space on the database file system is large enough.

FMM0322E: The environment variable *env var* could not be set!

Explanation

System action

User response

FMM0323E: File '*file*' was not found on the target disks.

Explanation

System action

User response

FMM0324W: Environment variable *env var* has value '*value*'.

Explanation

System action

User response

FMM0325E: Environment variable *env var* could not be unset! Unset this variable and restart.

Explanation

System action

User response

FMM0326I: Environment variable *env var* is successfully unset.

Explanation

System action

User response

FMM0327E: Operating system error *error_no: message text*

Explanation

IBM Storage Protect Snapshot encountered an unexpected-message error during the execution of a system function. The corresponding operating system error and message text are displayed. The message appears, for example, as a result of • An incorrect user ID on the parameter LOGON_HOST_PROD in the .fcs file • An incorrect password given for the user ID on the parameter LOGON_HOST_PROD in the .fcs file • An incorrect TCP/IP name on the parameter LOGON_HOST_PROD in the .fcs file (for example: connection timeout) • A failure allocating memory using the function malloc, and the operating system cannot satisfy the request

System action

User response

Check the specified error message.

FMM0328E: IBM Storage Protect Snapshot requires at least *amount_required* of free space in the file system containing *path*. Available free space: *amount_available*.

Explanation

There is less free space in the checked file systems than is required by IBM Storage Protect Snapshot.

System action

Processing stops.

User response

Ensure that there is the required amount of free space in the checked file system.

FMM0329E: The LUN '*LUN name*' is needed for this operation but cannot be accessed.

Explanation

The specified LUN is required for the current operation but cannot be reached.

System action

Processing ends.

User response

Verify that the LUN is attached to the ESX host and that the connection is working correctly.

FMM0330E: The datastore with the name '*datastorename*' was not found. It is not part of the backup.

Explanation

The specified datastore could not be found but it is part of the input file. It will not be included in the backup and not be restorable.

System action

Processing continues but the specified datastores will not be included in the backup.

User response

Correct the infile so that it contains valid datastore names if this datastore is to be included in the backup.

FMM0331I: The file '*filename*' is locked, waiting one second and retry!

Explanation

IBM Storage Protect Snapshot saves control information for the FlashCopy process in an internal repository that consists of several files. Some of these files may need to be written concurrently by several processes. To ensure consistency, IBM Storage Protect Snapshot uses a lock mechanism.

System action

User response

None.

FMM0332I: Suspend the database activity.

Explanation

System action

User response

FMM0340I: Complementary LVM/ASM mirror items that are not needed for the snapshot: *backup_items* were found.

Explanation

Backup items are storage elements such as LUN identifiers on storage area network (SAN) or network share paths on network-attached storage (NAS). Backup items are identified by IBM Storage Protect Snapshot OS agent "acsgen" and are based on the backup procedure of the application that requests the backup or restore operation. A snapshot item is the smallest entity identifiable in a snapshot. Backup items either all or a subset are assigned to the corresponding snapshot items. A subset is assigned in an AIX LVM mirroring or Oracle ASM environment.

System action

None.

User response

Processing continues..

FMM0341W: The status information for the *fsname* file system cannot be read. The following error message was generated by the operating system: *txtmsg*.

Explanation

The system call "stat" was not successful because of a specific error message.

System action

None.

User response

Evaluate the operating system-specific warning message to resolve the problem.

FMM0347E: The update of the IDS repository failed.

Explanation

IBM Storage Protect Snapshot failed to update the backup or restore status indicator (BSI/RSI) during the monitoring of the background copy process.

System action

User response

Check the traces for details about this failure. One possible cause is a full file system.

FMM0348E: The following auxiliary vdisk: '*aux vdisk*' is mapped to host '*host name*'. It should be mapped to takeover host '*takeover host*' only.

Explanation

Auxiliary vdisks should be mapped only to takeover host and not to any other hosts.

System action

The software process ends.

User response

Remove all host maps for the auxiliary vdisks except the host map to the takeover host.

FMM0349E: The target set '*targetSetID*' does not match the source volumes.

Explanation

IBM Storage Protect Snapshot checks whether the target set for the FlashCopy backup contains a target volume for each source volume, located in the same hardware unit and with the same size.

System action

User response

Check the volume list of this target set and ensure that the volumes are in the same hardware unit and have the same size as the source.

FMM0350E: A background copy process of type '*CopyType*' is still running on target set '*targetSetID*'.

Explanation

IBM Storage Protect Snapshot fails if a background copy is still running for the same logical FlashCopy group (see the documentation). However, any target set (state AVAILABLE) that does not yet belong to a logical FlashCopy group (state AVAILABLE) can be selected.

System action

User response

Check the backup status of the FlashCopy backups that may be running.

FMM0351I: The target set with ID '*targetSetID*' is selected for this run.

Explanation

IBM Storage Protect Snapshot use two procedures for the selection of a target set.

System action

User response

None.

FMM0352E: No target set found to accept a backup of type '*copy_type*'.

Explanation

If all the target sets are being used with the same type of logical FlashCopy group (either INCR or COPY), you will not find a target set to make a FlashCopy with a different copy type.

System action

User response

FMM0353E: Background copy process on the oldest target set '*target set*' still running.

Explanation

System action

User response

FMM0354E: The copy type argument '*copy_type*' is not valid.

Explanation

The argument (FLASHCOPY_TYPE) of the command line option -C <FLASHCOPY_TYPE> can have the following values: COPY, NOCOPY and INCR. Any other value is not valid. Furthermore, INCR is only valid for an SVC configuration with version 4.2.1 of the SVC master console.

System action

User response

Specify one valid value.

FMM0355E: Unable to connect to the copy services server '*csname*'.

Explanation

For a FlashCopy backup to be taken, IBM Storage Protect Snapshot software requires to connect to the storage system using the parameter COPYSERVICES_PRIMARY_SERVERNAME for a local backup and COPYSERVICES_REMOTE_SERVERNAME for a remote backup.

System action

Processing ends.

User response

Ensure to have LAN connection between the host running the IBM Storage Protect Snapshot software and the copy services storage server.

FMM0356E: You cannot run a Snapshot restore from target set '*targetSetID from*' if the sources are involved in a relationship of type '*copytype*' with the target set '*targetSetID*'.

Explanation

IBM Storage Protect Snapshot exploits the feature ?Multiple Relationship FlashCopy? of the storage system. This means that for IBM Storage Protect Snapshot the source set of volumes can participate in multiple snapshot relationships with several target sets of volumes. However, there are some limitations: • A source can have up to 12 targets • A target can only have one source • A target cannot be a source at the same time

System action

User response

To start a snapshot restore (in reverse, from the target to the source volumes) you have to withdraw the relationship with the specified target set.

FMM0357I: FlashCopy type is '*copy_type*'.

Explanation

IBM Storage Protect Snapshot has detected a discrepancy in the FlashCopy specification.

System action

User response

None.

FMM0358E: An invalid value '*copy_type*' has been specified for the FlashCopy type in the profile '*.fcs file*'.

Explanation

The parameter FLASHCOPY_TYPE of the IBM Storage Protect Snapshot profile (.fcs file) can have the following values: COPY, NOCOPY and INCR. Any other value is not valid. INCR is only valid for an SVC configuration starting with version 4.2.1 of the SVC master console.

System action

User response

Specify one valid value.

FMM0361E: The target set must be specified over the option -n, if the parameter EXTERNAL_LVM_PLUGIN is set.

Explanation

System action

User response

FMM0364E: Parameter '*parameter*' is mandatory.

Explanation

The specified parameter is missing.

System action

Processing ends.

User response

Specify the named parameter.

FMM0365E: The data center with the name '*dcname*' was not found.

Explanation

The specified data center could not be found in the vCenter server.

System action

Processing ends.

User response

Specify a valid datacenter in the infile defining the domains.

FMM0366E: The following line in the domain input file could not be parsed: '*inputline*'.

Explanation

The input file defining the domains contains unexpected keywords.

System action

Processing ends.

User response

Verify the format of the input file defining the domains.

FMM0367I: The scope is being limited to the following data center(s): 'dcnames'.

Explanation

The input file defining the domains is being used. It limited the snapshot process to the scope of these data centers.

System action

Processing continues.

User response

None.

FMM0368I: Stopping the consistency group 'cgroup' and all its older dependents.

Explanation

Usually IBM Storage Protect Snapshot re-uses the oldest set of target volumes for the backup. However if for some reason it is not the case, IBM Storage Protect Snapshot will stop all the older FlashCopy mappings than the one been used to avoid that the space-efficient volumes grow up to its defined virtual size.

System action

Processing continues.

User response

None.

FMM0369W: The data center that is named 'dcname' is part of the current domain configuration but was not found in the vCenter(TM).

Explanation

The specified data center in the vCenter(TM) cannot be found. The data center might not exist or is not visible to the IBM Storage Protect Snapshot user that is starting the vSphere(TM) operation.

System action

Processing continues.

User response

Ensure that the domain configuration has no orphaned data centers and verify that the user has the correct permissions to access the data center.

FMM0370W: The parameter 'profile_value' is deprecated.

Explanation

The parameter is deprecated and will be removed in the future. IBM Storage Protect Snapshot automatically determines the ORACLE_SID for connecting to the ASM instance in the environment of the user specified in ASM_INSTANCE_USER.

System action

Processing continues.

User response

Remove the parameter from the IBM Storage Protect Snapshot profile.

FMM0378E: The value of the parameter '*parameter_name*' in the device section of the profile is invalid.

Explanation

This message is displayed when an invalid value is found for one of the parameters of the device section of the profile.

System action

User response

Change the value according to the values explained in the section Parameters of the IBM Storage Protect Snapshot.

FMM0389E: Errors occurred during the deletion of one (or more) backups.

Explanation

One (or more) backups that were specified to be deleted could not be deleted.

System action

Processing ends.

User response

Review the preceding error messages for information about how to resolve this issue.

FMM0390E: The virtual machines with the specified instance UUIDs have not been found in the backup. Update the input file with valid instance UUIDs. Listing missing UUIDs:*instance uuids*

Explanation

Virtual machines with the instance UUIDs specified in the input file were not found in the backup.

System action

Processing ends.

User response

Replace the instance UUIDs in the input file with valid values.

FMM0391E: The '*datastore name*' datastore could not be attached to the '*hostname*' host. Please look up the message user response in the users guide for a step-by-step guide how to solve this problem.

Explanation

The specified datastore could not be attached to the specified host. Please look up the message user response in the users guide for a step-by-step guide how to solve this problem.

System action

Processing ends.

User response

Open the "Add datastore" wizard in the vSphere Clients "Datastores" view. Select the ESX host which was specified in the raised error message. Select "Disk/LUN" on the next page. On the "Select Disk/LUN" page select a disk whose VMFS Label column contains the datastore name as specified in the raised error message. On the next page select "Format the disk". This will erase the backup contained on this target disk! Specify an arbitrary datastore name on the "Properties" page. It will be overwritten by the next ISPS backup. Finish the wizard. Repeat this for all disks whose VMFS Label column contains the datastore name as specified in the raised error message. A new ISPS backup can be performed afterwards.

FMM0392E: The '*datastore name*' datastore could not be attached.

Explanation

The specified datastore could not be attached.

System action

Processing ends.

User response

Contact IBM support.

FMM0393E: The target instance UUID '*target instance uuid*' specified in the input file cannot be found. Add a valid target instance UUID to the input file.

Explanation

The target instance UUID specified in the input file was not found.

System action

Processing ends.

User response

Specify a valid target instance UUID.

FMM0394E: Redirected restores are not allowed for distributed virtual machines. The virtual machine 'VM name' spans multiple datastores and is distributed. Do not specify a target VM name or a target datastore for the restore operation.

Explanation

Redirected restores are not allowed for distributed virtual machines. The specified virtual machine spans multiple datastores and is thus distributed. Please do not specify a target VM name or a target datastore for the restore operation.

System action

Processing ends.

User response

Do not specify a target VM name or target datastore for the restore operation.

FMM0395E: This license does not allow to use LVM mirrors.

Explanation

The use of DB2 ACS or IBM Storage Protect Snapshot in an LVM mirror environment requires the extended license of IBM Storage Protect Snapshot. Starting with V5.5, the DB2 version of IBM Storage Protect Snapshot (DP for Snapshot Devices) is a licensed, functionally enhanced version of the DB2 Advanced Copy Services (DB2 ACS) product initially provided with DB2 Enterprise V9.5. Conversely, DB2 Advanced Copy Services can be regarded as a functionally restricted version of IBM Storage Protect Snapshot.

System action

User response

Contact IBM Tivoli support to acquire the required license.

FMM0396E: DB2 for Advanced Copy Services does not support file systems that cannot enable freeze or thaw operations.

Explanation

During a snapshot backup, DB2(R) for Advanced Copy Services detected that at least one file system does not support freeze and thaw operations. If a file system cannot be frozen during the snapshot or FlashCopy(R) operation, then the consistency of the file system must be verified on the offload system by mounting the volumes that contain the snapshot or FlashCopy. This feature is not supported by DB2 for Advanced Copy Services. It is only available with IBM Storage Protect Snapshot.

System action

The current snapshot backup is deleted, and processing ends.

User response

Install and license IBM Storage Protect Snapshot, or change all file systems to a type that supports freeze and thaw operations. Restart the snapshot backup.

FMM0397E: You cannot freeze filesystems of type JFS.

Explanation

This message may indicate, for example, that profile parameter LVM_FREEZE_THAW is set to YES but at least one of the file systems involved is a JFS file system. The freeze/thaw feature is only available for JFS2 file systems. It is used to suspend all I/O on the file systems while taking a snapshot of them. JFS file systems do not support the freeze/thaw feature. Therefore, the parameter LVM_FREEZE_THAW is not allowed to be YES if any JFS file systems are used.

System action

User response

There are two options to resolve this problem: 1. If you need to use JFS file systems, you must explicitly set the profile parameter LVM_FREEZE_THAW to NO in the CLIENT section of the profile. 2. Move the data from the JFS file systems to JFS2 file systems. The profile parameter LVM_FREEZE_THAW can then be set to YES.

FMM0398E: Consistency group *cgname* is not valid (state: *status*) to perform a FlashCopy restore.

Explanation

IBM Storage Protect Snapshot function restore requires the FlashCopy consistency group to be in an Idle_Or_Copied or Copying state in order to be valid for restore.

System action

Processing ends.

User response

Try the restore operation again using a different backup version.

FMM0399W: Timestamp ->*timestamp*<- cannot be converted.

Explanation

The status of the background copy is written by the background monitoring process daemon to a file named fc_exchange.'bseq_number' in the directory that contains the IDSAVE specified by the parameter IDS_CONTROL_FILE. The file fc_exchange.'bseq_number' has, for each volume pair, the entry 'volume_pair: target source size state YYYY-MM-DD-HH.MM.SS YYYY-MM-DDHH. MM.SS rate', where: • target is the serial number of the target volume • source is the serial number of the source volume • state can be 'active' if the background copy is running or 'none' if the background copy is finished • YYYY-MM-DD-HH.MM.SS represents approximate times for the start and end of the background process (in seconds since 00:00:00 GMT, January 1, 1970, which is the time standard the operating system uses) • rate is the transfer rate within the storage system To calculate the transfer rate some conversion is needed. When doing this conversion, an error occurred. The rate value is invalid.

System action

User response

Check the date and time setting of the machine.

FMM0400I: The process is waiting for BRBACKUP.

Explanation

The process is waiting for BRBACKUP to set a table space in the begin/end backup mode.

System action

User response

None.

FMM0401I: The '*original VM name*' virtual machine has been registered with the new name, '*new name*'.

Explanation

The specified virtual machine in the backup has been made available with the specified new name.

System action

Processing continues.

User response

No action is required.

FMM0402I: The '*datastore name*' datastore with the new datastore name '*new datastore name*' was successfully attached to the '*ESX host name*' ESX host.

Explanation

A datastore from the backup has been made available on the specified ESX host.

System action

Processing continues.

User response

No action is required.

FMM0403I: All the virtual disks (exclusive of RDM disks) on the virtual machine '*source vm name*' are attached to the target virtual machine '*target vm name*'.

Explanation

All virtual disks (exclusive of RDM disks) of the specified virtual machine have been attached to the specified target virtual machine.

System action

Processing continues.

User response

No action is required.

FMM0404I: The virtual disks on the virtual machine '*source virtual machine name*' with the disk keys '*diskkeys*' are attached to the target virtual machine '*target virtual machine name*'.

Explanation

The specified virtual disks of the specified virtual machine have been attached to the specified target virtual machine.

System action

Processing continues.

User response

No action is required.

FMM0405I: The process waited *num_sec* seconds for BRBACKUP in *util_file_online* communication.

Explanation

This message indicates the total amount of time the process waited for BRBACKUP to set a table space in "begin backup" or "end backup" mode. The wait time given is the sum of the wait times for all table spaces participating in the backup.

System action

User response

None.

FMM0406W: The '*vm name*' virtual machine is a distributed VM because the '*virtual disk name*' disk is located in the '*disk directory*' datastore directory, which is not the '*working directory*' VM working directory.

Explanation

One of the disks within the virtual machine is in a directory that is not the working directory.

System action

Processing continues.

User response

Be aware that the limitations of virtual machines spanning multiple datastores apply.

FMM0407E: The maximum number of SCSI targets for a virtual machine is exceeded.

Explanation

All SCSI targets are in use.

System action

Processing ends.

User response

Remove some SCSI targets.

FMM0408E: The disks with the '*diskkeys*' disk keys cannot be found in the backup and are not attached.

Explanation

The specified disk keys cannot be found in the backup and are not attached.

System action

Processing ends.

User response

Specify valid diskkeys.

FMM0409E: There is not enough free space available in the '*datastore name*' target datastore to complete this operation. *space needed* is required to complete this operation. *space available* is free.

Explanation

Not enough free space is available in the specified target datastore.

System action

Processing ends.

User response

Choose another target datastore or make more space available in the specified datastore.

FMM0410E: Cannot open or delete switch file '*file name*'. Check permissions.

Explanation

If Data Protection for SAP is not installed correctly (as the root user on UNIX or Linux or administrator group on Windows) then Data Protection for SAP is not able to open the necessary communication file to the SAP system.

System action

User response

Check the file permission.

FMM0411E: Maximum time waiting for BRBACKUP expired.

Explanation

The SAP database utilities did not respond within the expected time.

System action

User response

Contact your SAP administrator.

FMM0412E: BRBACKUP wasn't able to switch requested tablespace in BEGIN/END BACKUP mode.

Explanation

Data Protection for SAP could not continue the backup, because BRBACKUP was not able to switch the requested table space in BEGIN or END backup mode. This is necessary for locking the table space.

System action

User response

Contact your SAP administrator.

FMM0413E: Error while requesting tablespace switch.

Explanation

BRBACKUP could not switch table space in BEGIN or END backup mode.

System action

Contact your SAP administrator.

User response

FMM0414E: Error while requesting tablespace switch.

Explanation

BRBACKUP reported an error while trying to switch a table space in BEGIN or END backup mode.

System action

User response

Contact your SAP administrator.

FMM0415E: The '*datastore name*' datastore cannot be found. In the input file the named datastore is specified as a target datastore for the restore operation.

Explanation

The specified datastore has not been found but is needed as a target datastore for the restore operation. A backup with the specified ID cannot be found.

System action

Processing ends.

User response

Specify a valid target datastore in the input file.

FMM0416E: The '*vm name*' virtual machine could not be restored to the '*target datastore*' datastore using '*target vm name*' VM name. A VM with the same name already exists in the datastore.

Explanation

The specified virtual machine could not be restored because another virtual machine with the same name already exists in the target datastore.

System action

Processing ends.

User response

Specify another target datastore or delete the existing virtual machine in the specified datastore.

FMM0417I: The '*source vm name*' virtual machine is successfully restored to the '*datastore names*' datastore(s) and registered with the name '*registered vm name*'.

Explanation

The specified virtual machine has been successfully restored to the specified datastores.

System action

Processing continues.

User response

No action is required

FMM0418I: The attached virtual disk with the '*disk key*' key is successfully detached from the '*virtual machine name*' virtual machine.

Explanation

The attached virtual disk with the specified key has been successfully detached from the virtual machine with the specified name.

System action

Processing continues.

User response

No action is required.

FMM0419E: The configured vCenter server supports the '*found API version*' API version. The requested operation is available since the '*needed API version*' API version and is not supported by the configured vCenter server.

Explanation

The requested operation is not available in the API version supported by the vCenter server.

System action

Processing ends.

User response

The requested operation cannot be used with this vCenter server. If this operation is needed you must upgrade the API.

FMM0420E: The '*ESX hostname*' ESX host supports the '*found API version*' API version. The requested operation is available since the '*needed API version*' API version and is not supported by the ESX host.

Explanation

The requested operation is not available in the API version supported by the specified ESX host.

System action

Processing ends.

User response

The requested operation cannot be used with this ESX host. If this operation is needed, you must upgrade the API.

FMM0421E: The restore operation cannot be completed because the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID is not powered off.

Explanation

The restore operation cannot be completed because the specified virtual machine is not powered off.

System action

Processing ends.

User response

Power off the specified virtual machine.

FMM0422E: A virtual disk was not found for the '*diskkey*' disk key as specified in the input file.

Explanation

No virtual disk was found for the specified disk key.

System action

Processing ends.

User response

You must specify a valid diskkey.

FMM0423I: The '*diskname*' virtual disk on the '*virtual machine name*' virtual machine was successfully restored.

Explanation

The specified virtual disk was successfully restored.

System action

Processing continues.

User response

No action is required.

FMM0424I: Start Snapshot *backup destinationbackup typesid host productive host backuphost listsid list*

Explanation

System action

User response

FMM0425I: *flashcopy type* Start Snapshot background copy

Explanation

System action

User response

**FMM0426I: The following virtual machine question has been answered to with
'*answer*':*question***

Explanation

The specified question has been answered with the specified value.

System action

Processing continues.

User response

Nothing

FMM0427I: Stop Snapshot background copy

Explanation

System action

User response

FMM0428I: Start Withdraw

Explanation

System action

User response

FMM0429I: Stop Withdraw

Explanation

System action

User response

FMM0430I: Enabling the volumes and filesystems finished

Explanation

System action

User response

FMM0431E: One or more vmware snapshot operations failed.

Explanation

The snapshot operation for one or more virtual machines failed.

System action

Processing ends.

User response

Verify the log for preceding error messages containing the specific name of the virtual machines involved and the description of the error.

FMM0432E: The vmware snapshot operation for the virtual machine with instance uuid '*instance uuid*' failed: '*error*'.

Explanation

The snapshot operation failed on the specified virtual machine.

System action

Processing ends.

User response

Check the error message.

FMM0433W: The vmware power on operation for the virtual machine '*vmref*' failed: '*error*'.

Explanation

The operation power on after the power off for the purpose of taking a snapshot failed on the specified virtual machine.

System action

Processing continues.

User response

Check the vmware specific error message.

FMM0434W: The remove operation of the vmware snapshot '*snapref*' failed: '*error*'.

Explanation

The snapshot remove operation failed.

System action

Processing continues.

User response

Check the vmware specific error message.

FMM0435E: The virtual machine '*VM name*' can not be restored because the backup is in use by an offloaded IBM Storage Protect backup. The restore of a distributed VM is not allowed if an offload IBM Storage Protect backup is in progress. Wait until the offload backup is complete.

Explanation

The restore of a distributed VM is not allowed if an offload IBM Storage Protect backup is in progress. Wait until the offload backup is complete.

System action

Processing ends.

User response

Wait until the offload backup is complete.

FMM0436E: The virtual machine '*VM name*' could not be restored because the backup is already in use by an other VM. The restore of a distributed VM is not allowed if the mounted datastore is already in use by a VM. Detach this backup. Try the operation again.

Explanation

The restore of a distributed VM is not allowed if the mounted datastore is already in use by a VM. Detach this backup. Try the operation again.

System action

Processing ends.

User response

Detach this backup. Try the operation again.

FMM0437E: The virtual disks cannot be added or replaced on the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID identifier. The specified virtual machine is suspended.

Explanation

The resource configuration of a virtual machine cannot be modified while it is suspended.

System action

Processing ends.

User response

Resume the specified virtual machine then try again.

FMM0438E: The virtual disks cannot be removed from the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID identifier. The specified virtual machine is suspended.

Explanation

The resource configuration of a virtual machine cannot be modified while it is suspended.

System action

Processing ends.

User response

Resume the specified virtual machine then try again.

FMM0439W: The vmware snapshot operation for the virtual machine with instance uuid '*instance uuid*' failed: '*error*'. The backup of this virtual machine will be crash consistent only.

Explanation

The vmware snapshot operation failed on the specified virtual machine.

System action

Processing continues.

User response

Check the error message.

FMM0440I: The following virtual machine question has been answered to with '*answer*':*question*

Explanation

The specified question has been answered with the specified value.

System action

Processing continues.

User response

Nothing

FMM0441W: The VMware snapshot operation for the virtual machine with '*instance uuid*' instance UUID cannot be completed: '*error*'. Trying the VMware snapshot again without quiescing the file system.

Explanation

The VMware snapshot operation was not successful on the specified virtual machine.

System action

Processing continues.

User response

None.

FMM0451E: The disk with the '*diskkeys*' disk key is a raw device-mapping disk which must not be attached.

Explanation

The specified disk is a raw device-mapping disk which must not be attached to another virtual machine.

System action

Processing ends with error.

User response

Specify only diskkeys that represent standard virtual disks.

FMM0452E: This version of Data Protection for SAP(R) has expired.

Explanation

This is a test version that has expired.

System action

User response

Order a release version of the product or contact your IBM/Tivoli Sales Representative.

FMM0453W: This version of Data Protection for SAP(R) will expire in *number* days.

Explanation

This is a test version with a time limit. It will expire in *number* days.

System action

User response

Order a release version of the product or contact your IBM/Tivoli Sales Representative before the version expires.

FMM0454I: * This copy is NOT FOR RESALE. *****

Explanation

This version is not for resale.

System action

User response

None.

FMM0455E: License file *file name* does not exist.

Explanation

The license file agent.lic was not found where expected.

System action

User response

Make sure that the agent.lic file resides in the same directory as the init<SID>.utl file.

FMM0456E: Unable to access license file *file name*.

Explanation

The license file could not be accessed.

System action

User response

Make sure the access permissions allow read/write access.

FMM0457E: License file *file name* contains invalid data/checksum.

Explanation

The license file is invalid.

System action

User response

Make sure you have the right agent.lic file for the right platform installed. agent.lic files are platform dependent.

FMM0458I: Fake-Mode is activated.

Explanation

This message signals that the current operation is a simulated operation. Simulations can be performed using the Administration Assistant.

System action

User response

None.

FMM0459E: One or more suspend operations failed.

Explanation

One or more suspend operations failed.

System action

Processing ends.

User response

Check preceding error messages.

FMM0460E: No mux file is found with the name *name*

Explanation

A mux file is a data structure holding internal metadata needed for restore puposes. Each backup image gets a mux file assigned.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM0461I: Created tracefile '*tracefile*' for process ID '*id*'.

Explanation

The named trace file has been created.

System action

User response

None.

FMM0503E: Unexpected error occurred.

Explanation

An unexpected error occurred.

System action

Processing ends.

User response

Gather information from the trace file and log file and contact your IBM service representative.

FMM0504I: A software snapshot including memory is created of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID.

Explanation

A software snapshot including memory is created of the specified virtual machine.

System action

Processing continues.

User response

No action is required.

FMM0505I: A software snapshot excluding memory is created of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID.

Explanation

A software snapshot excluding memory is created of the specified virtual machine.

System action

Processing continues.

User response

No action is required.

FMM0506I: The '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is suspended.

Explanation

The specified VM is suspended.

System action

Processing continues.

User response

No action is required.

FMM0507I: The software snapshot of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is removed.

Explanation

The software snapshot of the specified virtual machine is removed.

System action

Processing continues.

User response

No action is required.

FMM0508E: The '*vm name*' virtual machine might be the virtual machine containing IBM Storage Protect Snapshot and cannot be part of the backup. Rename it or specify the virtual machine containing IBM Storage Protect Snapshot in the '*profile parameter name*' profile parameter in the profile.

Explanation

The virtual machine that contains IBM Storage Protect Snapshot cannot be part of a backup. The specified virtual machine might contain IBM Storage Protect Snapshot.

System action

Processing ends.

User response

Rename the specified virtual machine or add the name of the IBM Storage Protect Snapshot virtual machine to the profile.

FMM0509E: More than one instance of this executable are running now.

Explanation

You have to wait until previous backup is done before you can run this backup.

System action

Processing ends.

User response

Wait until previous backup is done and try again.

FMM0510E: acsgen has to be started from the CLI with the required '*-D*' parameter.

Explanation

acsgen requires the '*-D*' parameter to start.

System action

Processing fails.

User response

Retry the operation using the '*-D*' parameter.

FMM0511I: ==>Performing IBM Storage Protect Snapshot *v1* command.

Explanation

This message is displayed starting the specified function (BACKUP, WITHDRAW or RESTORE) of DP for Snapshot Devices.

System action

None.

User response

None.

FMM0512E: The virtual machine containing the vCenter server cannot be part of the backup. The '*vm name*' virtual machine is part of the backup but it is specified as the vCenter server virtual machine in the '*profile parameter name*' parameter in the profile.

Explanation

The virtual machine specified in the profile as vCenter server virtual machine has been found to be part of the backup.

System action

Processing ends.

User response

Rename the specified virtual machine or change the specified name of the vCenter server virtual machine in the profile.

FMM0513E: The '*vm name*' virtual machine might be the virtual machine containing the vCenter server and cannot be part of the backup. Rename it or specify the virtual machine containing the vCenter server in the '*profile parameter name*' profile parameter in the profile.

Explanation

The specified virtual machine is suspected to contain the vCenter server and can thus not be part of the backup.

System action

Processing ends.

User response

Rename the specified virtual machine or add the name of the vCenter server virtual machine to the profile.

FMM0514E: The virtual machine that contains IBM Storage Protect Snapshot cannot be part of the backup. The '*vm name*' virtual machine is part of the backup but it is specified as the virtual machine containing IBM Storage Protect Snapshot in the '*profile parameter name*' parameter in the profile.

Explanation

The virtual machine specified in the profile as IBM Storage Protect Snapshot is part of the backup.

System action

Processing ends.

User response

Rename the specified virtual machine or change the specified name of the IBM Storage Protect Snapshot virtual machine in the profile.

FMM0515E: Filesystem consistency check failed.

Explanation

Filesystem consistency check on the filesystems processed by Flashcopy failed. This means that there were some inode changes on the filesystem when executing DP for Snapshot Devices backup on the production system.

System action

Please ensure that you do not make any changes to the production system during FlashCopy backup, that may cause changes to the inodes on the database filesystems. This will result in inconsistency in the database filesystems being processed by Flashcopy. Examples of operations resulting in inode changes are: When a file is created or deleted. When a write() call occurs to a file opened with O_SYNC and the write causes a new disk block allocation. When fsync() or sync() functions are called. When a write causes an indirect or double-indirect block to be allocated. Another way to get around this problem is to use raw logical volumes for your databases.

User response

Please execute the backup command again.

FMM0516E: The initialization of the ODM API failed with ODM error number *odmerrno: description*.

Explanation

IBM Storage Protect Snapshot uses the ODM API library for the logical volume manager. The specified error occurred when trying to initialize this library.

System action

Processing stops.

User response

Validate the specific error description.

FMM0517E: Failed to get the ID of the volume group *vgname* using the AIX command: *command*.

Explanation

IBM Storage Protect Snapshot uses the displayed command to get the volume group ID. The command failed.

System action

Processing stops.

User response

Check the state of the AIX ODM and of the volume group. Run this command from the AIX command line.

FMM0518E: Failed to get the ID of the logical volume *lvname* using the AIX command: *command*.

Explanation

IBM Storage Protect Snapshot uses the displayed command to get the logical volume ID. The command failed.

System action

Processing stops.

User response

Check the state of the AIX ODM and of the logical volume. Run this command from the AIX command line.

FMM0519E: The volume with the serial ID *serialid* is not assigned to the backup host.

Explanation

IBM Storage Protect Snapshot imports the data from the target set volumes into the backup system. This requires the SAN to assign the volumes to the backup host.

System action

Processing stops.

User response

Make sure the target storage volumes are assigned to the backup host.

FMM0520W: Trying to find the process that has locked the ODM ...

Explanation

IBM Storage Protect Snapshot checks whether the AIX ODM is locked by other processes on the host prior to making persistent changes.

System action

Processing continues.

User response

None.

FMM0521I: Waiting the maximum *seconds* seconds until the ODM lock is released by another application.

Explanation

IBM Storage Protect Snapshot will retry to lock the ODM after the specified time.

System action

Processing continues.

User response

None.

FMM0522E: The storage system ID could not be found for the volume *volume*.

Explanation

IBM Storage Protect Snapshot was not able to find the storage ID for the specified volume.

System action

Processing stops.

User response

Use the GUI or the command line to verify that the volume exists.

FMM0523E: The file systems needed for the mount operation are missing.

Explanation

IBM Storage Protect Snapshot was not able to find the file systems in the local repository.

System action

Processing stops.

User response

Use the inquire function to verify the state of the backup to be mounted.

FMM0524E: The *pathname* directory path or fully qualified file name was not found in any of the current active file systems.

Explanation

The backup process cannot find the specific path from the list of files or directories that is specified when you start the backup operation.

System action

Processing ends..

User response

Use the OS shell commands to check the status of this path. Ensure that the underlying file system is mounted and try the operation again.

FMM0525E: Mount point *mount_point_name* is not recognized by the system.

Explanation

A file system that is participating in the backup operation is not recognized by the system. This problem can be caused by an inconsistency in the system, for example in the */etc/filesystems* file.

System action

Processing ends.

User response

Use the command-line shell for your operating system to check the status of this mount point, and try the operation again..

FMM0539E: Either Oracle control file or redo log file is in the same volume group (*v1*) with which Oracle datafiles are.

Explanation

Either Oracle control file or redo log file is in the same volume group with Oracle datafiles.

System action

Processing ends.

User response

Make sure you don't have control files and redo log files in the same volume group with Oracle datafiles.

FMM0540E: A null logical volume has been detected.

Explanation

A null logical volume was detected.

System action

Processing ends.

User response

Verify the target database information is specified correctly in the Setup File.

FMM0542I: Mounting disk group : *dg1*.

Explanation

This message indicates the mount of the named disk group.

System action

Processing continues.

User response

If this messages is immediately followed by an error message the error might relate to the named disk group.

FMM0543I: Mounting filesystem : *fs1*.

Explanation

Currently attempting to mount the file system.

System action

None.

User response

FMM0544E: Serial number for the device *v1* is not found.

Explanation**System action**

Processing ends.

User response

FMM0545I: Trying to find new devices to match the source device. This process will take some time.....

Explanation

Currently trying to find a target device to match with the source device.

System action

None.

User response

FMM0546I: Removing device : *parm1*

Explanation

DP for Snapshot Devices will remove the logical devices from the Device Configuration database (ODM) on the backup system after the backup ended and prior to the withdraw of the relationships of the volumes.

System action

None.

User response

FMM0547I: Configuring the target volume would cause duplicate physical volume ID : *pvid1*.

Explanation

A different set of target volumes that were previously associated with the same source volumes was detected.

System action

Processing ends.

User response

Perform one of the following: Delete the disk on the backup system only: 1. find the disk using the AIX `lspv` command 2. run `smitty` and choose the following from the menu: devices- fixed disk- remove a disk- select the disk to be removed 3. press return Clear the pvid of each physical volume hdisk by issuing the `aix chdev` command with the following arguments:`chdev -1 (hdisk#) -a pv=clear`

FMM0548E: Removing device *parm1* failed.

Explanation

DP for Snapshot Devices will remove the logical devices from the Device Configuration database (ODM) on the backup system after the backup ended and prior to the withdraw of the relationships of the volumes. The `rmdev` command failed.

System action

Processing ends.

User response

Check the specific error message. Consult the AIX system documentation. Check if the device is member of one active volume group. Check for proceeding errors.

FMM0549W: Removing the mount point directory *mntpt1* failed with rc: *rc1*.

Explanation

An error occurred while trying to remove a mount point. Processing continues.

System action

Processing continues.

User response

FMM0550E: The physical volume ID *pvid1* is duplicate on the production machine.

Explanation

The output of the command `lspv` shows that two logical devices (hdisk/vpath) have the same physical volume id.

System action

Processing ends.

User response

Perform one of the following: a) If the hdisks with the same pvid belong to the same multipath, convert the hdisk device volume group to a Subsystem Device Driver vpath device volume group. b) If the problem is the result of a corrupt ODM, consult the AIX Troubleshooting documentation c) If the physical volume involved neither belongs to a volume group nor it contains file systems to be imported in the future, then you can clear the pvid by issuing the `aix chdev` command with the following arguments: `chdev -l hdisk# -a pv=clear`

FMM0551W: The umount command failed with rc *rc1* for mount point *mntpt1*.

Explanation

An error occurred while trying to remove a mount point. Processing continues.

System action

Processing continues.

User response

FMM0552E: A backup with the '*backup_id*' ID cannot be found.

Explanation

No backup with this ID exists.

System action

Processing ends.

User response

Specify a valid backup ID. Valid backup IDs can be obtained by the `inquire` command.

FMM0553E: Failed to suspend I/O on a logical volume device with errno *errno* for logical volume: *lv*.

Explanation

An error occurred while trying to suspend I/O on a JFS log logical volume device. I/O on this logical volume will not be suspended while establishing FlashCopy backup. This may result in an inconsistent database snapshot during backup. However, processing will continue.

System action

Processing continues.

User response

Please contact AIX support to find out why the suspend I/O on a logical volume device failed.

FMM0554E: Failed to resume I/O on a logical volume device with errno *errno* for logical volume: *lv*.

Explanation

An error occurred while trying to resume I/O on a JFS log logical volume device.

System action

Processing stops..

User response

Try running the DP for Snapshot Devices "resume" command. If the failure persists, please contact AIX support to find out why the resume I/O on a logical volume device failed.

FMM0555E: Multiple backup IDs were specified in the input file. You can specify only one backup ID in the input file.

Explanation

More than one backup ID was specified in the input file.

System action

Processing ends.

User response

Specify just one backup ID in the input file.

FMM0556I: Flashcopy type is set to NOCOPY. Removing disk meta data for all target disks... This backup is NOT valid for a FlashCopy restore. Please restore from IBM Storage Protect Server.

Explanation

Target PVIDs are cleared. This process removes disk metadata for all target disks. These target volumes can now be used as targets for source volumes from multiple databases. However, this backup is not valid for a FlashCopy restore. You can only restore from IBM Storage Protect Server.

System action

None.

User response

None.

FMM0557W: Removing the file system on the mount point *mntpt1* failed with rc: *rc1*.

Explanation

An error occurred while trying to remove a file system during the FlashCopy restore. Processing continues. The restore will repair this problem.

System action

Processing continues.

User response

None.

FMM0558I: Flashcopy type is set to COPY or INCR. Leaving disk meta data intact for all target disks... This backup is valid for a FlashCopy restore.

Explanation

The target PVIDs are not cleared. This process leaves disk metadata intact for all target disks. This backup can be used for a FlashCopy restore.

System action

None.

User response

None.

FMM0559E: Command *lslv* failed for the logical volume *v1*.

Explanation

The LVM command *lslv* failed with the specified logical volume.

System action

Processing ends.

User response

Try to run the same command from the command line and verify that it works. Check that the file system */tmp* contains enough space.

FMM0560E: Unsupported file system has been detected.

Explanation

The file system that database allocated is an unsupported type.

System action

Processing ends.

User response

Make sure that the mount point exists and the file system is supported.

FMM0561E: The file or directory *objname* must not be located on the volume group *v1*.

Explanation

This volume group is not supported by IBM Storage Protect Snapshot. The file or directory displayed is located in this volume group.

System action

Processing ends.

User response

Make sure that volume group is not rootvg.

FMM0562E: No backup ID was found in the input file. Specify a valid backup ID in the input file.

Explanation

No backup ID was specified in the input file.

System action

Processing ends.

User response

Specify a valid backup ID in the input file.

FMM0563E: An physical disk for the volume group *v1* was not found.

Explanation

A physical disk from the specified database volume group was not found in the Device Configuration database.

System action

Processing ends.

User response

Check the specific error message. Consult the AIX system documentation. Check if this device is member of one active volume group. Check for proceeding errors.

FMM0564I: Exporting volume group *fnm1* failed.

Explanation

The specified volume group could not be exported after the vary off.

System action

None.

User response

Check the error message displayed by the operating system. Check that the volume group was vary off before the exporting.

FMM0565I: Importing volume groups now...

Explanation

Processing an importing volume group command.

System action

None.

User response

FMM0566I: Newly imported volume group: *vg1*

Explanation

DP for Snapshot Devices has successfully imported this new volume group on the backup system after the FlashCopy.

System action

None.

User response

FMM0567E: Logical Volume cannot be found for the file *fnm1*.

Explanation

An error has occurred determining the logical volume of a file in the list of database files.

System action

Processing ends.

User response

Check the specific error message. Consult the AIX system documentation.

FMM0568I: Removing volume group *fnm1*

Explanation

Attempting to remove the identified volume groups.

System action

None.

User response

None.

FMM0569I: Varied off and exported volume group : *fnm1*

Explanation

The specified volume group was varied off and exported successfully.

System action

None.

User response

None.

FMM0570I: Finding the serial numbers ...

Explanation

DP for Snapshot Devices get as input a list of database files to be backed up and from them it figures out the logical volumes, the volume groups and the serial number of the physical volumes where the production database is residing.

System action

None.

User response

None.

FMM0571E: The vmcli executable file '*vmcli*' does not exist. The installation seems to be corrupt.

Explanation

The vmcli component cannot be found.

System action

Processing ends.

User response

Verify that the vmcli executable file exists and is in the correct directory. Reinstall the product.

FMM0572E: No volume group was found.

Explanation

The AIX command lsvg failed on the backup system and the new added volume groups after the FlashCopy could not be figured out.

System action

Processing ends.

User response

Check the operating system error issued by lsvg. Consult the AIX documentation.

FMM0573E: Volume group *vg1* can not be found.

Explanation

The AIX command lsvg failed on the production system and the source volumes of the production database could not be found out.

System action

Processing ends.

User response

Check the operating system error issued by lsvg. Consult the AIX documentation.

FMM0574E: Quorum of the volume group *vg1* must be off.

Explanation

In a highly-available LVM mirror environment, DP for Snapshot Devices requires that the quorum of the volume group is set to off. If a mirror is inactive due to a failure, the database should continue working properly.

System action

Processing ends.

User response

Set the quorum of the volume group off.

FMM0575E: Logical volume *vg1* must have at least 2 copies.

Explanation

If the parameter for working with LVM mirror is active, then DP for Snapshot Devices requires that two copy of each logical volume are existing.

System action

Processing ends.

User response

Create a copy of each logical volume on separate hardware units. Ensure that you have for each source volume a target volume for the FlashCopy in the same hardware unit.

FMM0576E: Logical volume *vg1* must have the parallel or striped scheduling policy.

Explanation

DP for Snapshot Devices requires the parallel or striped scheduling policy. With the parallel scheduling policy, there is no primary or secondary mirror. All copies in a mirror set are just referred to as copy, regardless of which one was created first.

System action

Processing ends.

User response

Set the scheduling policy of this logical volume to 'parallel'.

FMM0577E: Logical volume *vg1* must have mirror write consistency on.

Explanation

Mirror write consistency ensures data consistency among mirrored copies of a logical volume during normal I/O processing. If a system or volume group is not shutdown properly, then mwc will identify which logical partitions may be inconsistent. DP for Snapshot Devices requires that this capability be set for the logical volumes of the production database.

System action

Processing ends.

User response

Set mirror write consistency on.

FMM0578E: None of the mirror copies of the logical volume '*lv*' resides completely on the storage system that was chosen for this operation.

Explanation

IBM Storage Protect Snapshot requires that all the partitions of one mirror set must reside on physical volumes of one storage system.

System action

Processing ends.

User response

Specify a different storage system in your profile or change the logical volume so that all partitions reside on the storage system specified in the profile.

FMM0579E: Some of the partitions of the 'vg1' logical volume are stale.

Explanation

IBM Storage Protect Snapshot checks all the logical volumes for stale partitions. The logical volume mirror set that is residing on the storage system that was chosen for this operation is not allowed to have stale partitions.

System action

Processing ends.

User response

Find the reason why you are having stale partitions. Synchronize the logical volumes of the production database.

FMM0580I: Could not determine the number of paths to target volumes. Using default value of 1.

Explanation

DP for Snapshot Devices supports SDD (Subsystem Device Driver). SDD is a pseudo device driver designed to support the multipath configuration environments in the storage system and is used to enhance data availability. DP for Snapshot Devices will determine the number of multiple paths querying the Device Configuration database (ODM).

System action

None.

User response

If you want to use the advantage of SDD, check the Subsystem Device Driver User's Guide for a correct configuration.

FMM0581E: Failure in changing the mount point *mp*, return code *rc* from command *chfs*.

Explanation

In a high-available LVM mirror environment, DP for Snapshot Devices will use the `recreatevg` command to create the volume groups after the FlashCopy on the backup system. Because `recreatevg` inserts the prefix `./fs....` at the begin of the mount point, DP for Snapshot Devices must remove it calling the command `chfs....` to the original names.

System action

None.

User response

Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0582E: The same hdisk *vg1* can not be associated with two different vpaths (serial numbers *vg2* and *vg3*). command chfs.

Explanation

IBM Storage Protect Snapshot has encountered a corrupted configuration in your system.

System action

None.

User response

By issuing the command 'lsvpcfg' you can identify that error. Check the Subsystem Device Driver User's Guide for a correct configuration.

FMM0583E: lsvg command failed.

Explanation

DP for Snapshot Devices uses the command lsvg to determine the physical and logical volume of the volume group. That command has failed.

System action

None.

User response

Check the specific error message.

FMM0584I: Recreating the new volume groups....

Explanation

In a highly-available LVM mirror environment, DP for Snapshot Devices will use the recreatevg command to create the volume groups after the FlashCopy on the backup system.

System action

None.

User response

None.

FMM0585E: The command lvm_queryvg failed.

Explanation

DP for Snapshot Devices uses the system routine lvm_queryvg to read information of the VGDA of the volumes.

System action

None.

User response

Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0586E: The number of new volume groups is limited *parm1*.

Explanation

DP for Snapshot Devices can support a database with maximum 256 volume groups.

System action

None.

User response

You have to reconfigure your production database.

FMM0587I: Varying on volume group *fnm1* failed.

Explanation

Post to the importvg or recreatevg , DP for Snapshot Devices will vary on the database volume group on the backup system. The command varonvg has failed.

System action

None.

User response

Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0588E: Invalid option found in the Setup File.

Explanation

The parameter value is invalid.

System action

Processing ends.

User response

Correct the value and restart the processing.

FMM0589I: Flushing the buffers to disk...

Explanation

Currently synchronizing to force the buffers to disk.

System action

None.

User response

FMM0590I: Unmounting the file system *mntpt1*...

Explanation

Currently attempting to unmount the file system from the mount point.

System action

None.

User response

FMM0591I: Bringing up the volume groups...

Explanation

The new resources are being activated after the FlashCopy.

System action

User response

None.

FMM0592I: Too many file systems located.

Explanation

The number of file systems exceeds the 4096 limit.

System action

Processing ends.

User response

Reconfigure the production database.

FMM0598E: Although the pvid *pvid* is contained in the descriptor area of the volume group *vgname*, no logical devices (hdisk/vpath) has this on the production system.

Explanation

The output of the command `lspv` shows that no physical volume `hdisk/vpath` exist with this `pvid`, although the `pvid` was found on the descriptor area of the volume group.

System action

Processing ends.

User response

You very likely have an ODM corruption for the involved volume group. Check this volume group with the command `lsvg -l <vgname>` and `lsvg -p <vgname>`. Depending on the error, you have to take different actions. Consult the AIX troubleshooting documentation to repair the ODM.

FMM0599E: Physical volume *hdisk* is in the descriptor area of the volume group *vgname* but does not belong to this volume group.

Explanation

The output of the command `lsvg -p <vgname>` does not show that the `hdisk/vpath` belong to this volume group, but its `pvid` is registried in the descriptor area of the volume group.

System action

Processing ends.

User response

If the `hdisks` with the same `pvid` belong to the same multipath, convert the `hdisk` device volume group to a Subsystem Device Driver `vpath` device volume group. If you have an ODM corruption, check the involved volume group with the command `lsvg -l <vgname>` and `lsvg -p <vgname>`. Depending on the error, you have to take different actions. Consult the AIX troubleshooting documentation to repair the ODM.

FMM0600W: The major number of the volume group *vgname* could not be determined.

Explanation

The command "`getlvodm`" used to determine the major number of the specified volume group failed. The option `-V` of the command `importvg` will not be used on a FlashCopy restore of this backup.

System action

None.

User response

Check for error messages of the command `getlvodm`.

FMM0601W: Major number *major* already exists on the production machine. The system will assign the next available major number to the volume group *vgname*.

Explanation

DP for ESS found that the major number of the given volume group is being used by another device. The `importvg` command will be issued without the option `-V <major number>`, then the system will generate the next available major number automatically.

System action

None.

User response

Check the major numbers on the system with the command "ls -al /dev".

FMM0602E: Production database does not reside on a LVM mirror environment. The profile parameter '*profile_param*' is not allowed in an environment without LVM mirroring.

Explanation

The LVM mirroring capability of DP for ESS is on, but the database logical volumes do not have a mirror copy.

System action

None.

User response

Set the parameter for LVM mirroring off or setup your system in an high-available LVM mirror environment.

FMM0603E: Error reading the status information of the file system *fsname*: *txtmsg*.

Explanation

The system call stat failed. Check the specific error message. In some cases the user will need administrator rights to execute that command.

System action

None.

User response

Check the specific error message. Ensure that the user has enough rights.

FMM0604W: The file system *fsname* is not of type jfs2. The freeze/thaw function will be applied only on file systems of type jfs2.

Explanation

The freeze/thaw function will be applied only on file systems of type jfs2.

System action

None.

User response

None.

FMM0605E: Error freezing the file system *fsname: txtmsg*.

Explanation

The function FREEZE on this file system failed.

System action

Check the specific error of the operating system appended at the end of this message.

User response

None.

FMM0606E: Error thawing the file system *fsname: txtmsg*.

Explanation

The function THAW on this file system failed.

System action

Check the specific error of the operating system appended at the end of this message.

User response

None.

FMM0607I: Freezing filesystem : *fs1*.

Explanation

Currently attempting to freeze the file system.

System action

None.

User response

FMM0608I: Thawing filesystem : *fs1*.

Explanation

Currently attempting to thaw the file system.

System action

None.

User response

FMM0609I: Performing snaprestore of the source volume *srcvol* to the snapshot *snapid* (LUN *lunpath*).

Explanation

The function snaprestore will revert the source volume to the specified snapshot name. This message will appear for every LUN involved in the restore process. The snap restore is made based on the volume.

System action

None.

User response

FMM0610I: Performing snapshot of the source volume *srcvol* (LUN *lunpath*).

Explanation

A snapshot will be taken from this volume. This message will appear for every LUN involved in the snapshot process, however when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action

None.

User response

FMM0611I: The snapshot *snapid* was generated for the source volume *srcvol* (LUN *lunpath*).

Explanation

A snapshot with the name displayed was taken from this volume. This message will appear for each LUN involved in the snapshot process, however when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action

None.

User response

FMM0612E: File system *fsname* thawed automatically because the specified timeout limit was exceeded. Specify the profile parameter TIMEOUT_FLASH, to increase the timeout limit. The default value of this parameter is 120 seconds.

Explanation

The THAW function on the file system *fsname* failed because the file system thawed automatically after the timeout value specified by the TIMEOUT_FLASH parameter was already exceeded.

System action

Processing stops.

User response

Increase the timeout value for the TIMEOUT_FLASH parameter.

FMM0613E: File system *fsname* can not be freezed because the timeout limit was exceeded. Specify the profile parameter TIMEOUT_FLASH, to increase the timeout limit. The default value of this parameter is 120 seconds.

Explanation

The FREEZE function cannot be applied to file system *fsname* because the timeout limit specified by the TIMEOUT_FLASH parameter was already exceeded.

System action

Processing stops.

User response

Increase the timeout value for the TIMEOUT_FLASH parameter.

FMM0614E: The process failed to update the usability state of the snapshot backup.

Explanation

IBM Storage Protect Snapshot cannot update the IBM Storage Protect Snapshot repository.

System action

Processing ends.

User response

FMM0615E: Unable to open file *file1*.

Explanation

An error was detected when trying to open the file. The file may not exist.

System action

Processing ends.

User response

Make sure the file exists.

FMM0616I: Performing *fc type* FlashCopy of source volume *src1* to target volume *tgt1*

Explanation

A FlashCopy from the source volume to the target volume was requested.

System action

None.

User response

FMM0617W: The locale '*locale*' for the host is not supported by the vCenter(TM) server. A default locale will be used.

Explanation

The specified locale is not supported by the vCenter(TM) server.

System action

Processing continues with the default locale.

User response

Set the locale to setting supported by the vCenter(TM) server.

FMM0618E: The suspend operation for the virtual machine with the instance UUID '*instance uuid*' failed: '*error*'.

Explanation

The suspend operation failed on the specified virtual machine.

System action

Processing continues.

User response

Check the error message.

FMM0619I: Performing FlashCopy withdraw of source volume *src1* from target volume *tgt1*

Explanation

A FlashCopy withdraw of the source volume from the target volume was requested.

System action

None.

User response

FMM0620E: No target volume is available. Terminating.....

Explanation

No target volume was found.

System action

Processing ends.

User response

Make sure the target volumes reside in the same Logical Subsystem (LSS) as the source volumes and that the target volumes are available to the backup system. Also, make sure the syntax is correct in the .fct file.

FMM0635E: A required parameter *tgtv1* is missing in the Setup File.

Explanation

A required parameter in the Setup File has not been specified. This may be caused by incorrect syntax in the Setup File.

System action

Processing ends.

User response

Make sure all the required parameters are present in the Setup File and that no space exists between the parameter and the colon(:).

FMM0643I: Executing system command '*parm1*'

Explanation

IBM Storage Protect Snapshot is performing the command *parm1* and waiting for the results from the operating system.

System action

None.

User response

None.

FMM0644E: Error on running command: *parm1*

Explanation

An error was detected while running a system command.

System action

Processing ends.

User response

Gather log file information and contact your IBM service representative.

FMM0647I: User abort; Exiting Flashcopy Restore.

Explanation

The user has chosen to terminate the Flashcopy Restore operation.

System action

Restore processing is terminated.

User response

Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not limited to) all filesystems and raw volumes on them. Make sure all necessary data from the source LUNs is backed up, and restart the procedure.

FMM0648I: User input was yes; Continuing Flashcopy Restore.

Explanation

The user has chosen to continue the Flashcopy Restore operation.

System action

Restore processing continues.

User response

None.

FMM0649I: You are about to perform a Flashcopy Restore operation. All data on the source volumes, including (but not limited to) filesystems and raw volumes, will be lost. Do you want to continue? Please enter Yes or No.

Explanation

Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not limited to) all filesystems and raw volumes on them. Make sure all necessary data from the source LUNs is backed up, and restart the procedure.

System action

System waits for a valid user response.

User response

Please enter "Yes" to continue, or "No" to abort the restore operation.

FMM0650I: A Flashcopy Restore operation has been requested, with Prompt=No. All data on source volumes, including (but not limited to) filesystems and raw volumes, will be lost. Continuing Flashcopy Restore operation.

Explanation

Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not limited to) all filesystems and raw volumes on them. It is strongly recommended that this operation be performed with Prompt set to Yes. The user has chosen to perform this operation with Prompt set to no.

System action

Restore operation continues.

User response

None.

FMM0651E: The '*prefix*' prefix is not contained in the string '*searchstring*' in the input file.

Explanation

A Syntax error occurred in the input file.

System action

Processing ends.

User response

The named prefix cannot be found in the string. The prefix is required in the input file.

FMM0652E: Invalid license is detected.

Explanation

An invalid license was found.

System action

Processing ends.

User response

Check if there is a mismatch between the executables (for the production system and backup system) and the license file(agent.lic).

FMM0653I: The '*operation*' request processed successfully.

Explanation

This message is for informational purpose only.

System action

Processing continues.

User response

No action is required.

FMM0654E: The following instance UUIDs have not been found in the datastores that are included in the backup. They are not part of the backup.*instance uuids*

Explanation

The specified instance UUIDs have not been found in the datastores that are included in the backup. They are not part of the backup.

System action

Processing continues but the specified instance uuid's are not part of the backup.

User response

Specify valid instance UUIDs of virtual machines that are listed in the input file.

FMM0655E: The '*prefix*' prefix in the input file is not allowed for single disk restore operations.

Explanation

A syntax error occurred in the input file.

System action

Processing ends.

User response

Add the correct prefix to the input file.

FMM0656E: An error has been detected when running the IBM Storage Protect Backup Archive Client command line interface.

Explanation

An error was detected when running the IBM Storage Protect Backup Archive Client Client command line interface.

System action

Processing ends.

User response

Make sure the IBM Storage Protect Backup Archive Client is correctly installed and that the environmental variables are set correctly.

FMM0657E: A memory allocation error has occurred.

Explanation

Enough memory was not available to continue processing.

System action

Processing ends.

User response

Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMM0665E: There are multiple NFS servers involved: the NFS server 'nfsserver1' for the file '*filename*' is different from the previous NFS server 'nfsserver2'.

Explanation

In NAS environments, the files passed from the application or database during the first phase (partition) of the snapshot backup must reside in a single NAS storage system.

System action

Processing stops.

User response

Move the file systems and files of one single application or database instance to a single NAS storage system.

FMM0666E: Could not open trace file *v1*.

Explanation

There were some problems opening tracefile. Please make sure you can open the trace file which was specified in the setup file.

System action

Processing terminates.

User response

None.

FMM0667E: Could not create the trace object.

Explanation

There were some problems creating trace class object.

System action

Processing terminates.

User response

None.

FMM0668E: Invalid trace flag: *v1*.

Explanation

Some invalid trace flags are defined in the setup file.

System action

Processing terminates.

User response

None.

**FMM0672E: Error while querying volume properties of volume *volserial*.
Please verify that the volume specified in the target volumes file exists.**

Explanation

None.

System action

Processing stops.

User response

Contact the administrator of the storage subsystem with the information provided in this message.

**FMM0673E: A Flashcopy background copy is in progress between source volume:
source volume and target volume: *target volume*.**

Explanation

A Flashcopy background copy from a previous operation is not complete for the given source and target volumes.

System action

Command will fail.

User response

Please wait until the background copy is complete and retry the command.

FMM0674E: A Flashcopy association exists between source volume: *source volume* and a different target volume: *target volume*.

Explanation

A Flashcopy association exists between the source volume and a target other than the designated target volume.

System action

Restore command will fail.

User response

Please withdraw the Flashcopy association between the source volume and the target volume and retry the restore command.

FMM0675E: An unexpected error was encountered. function name : *function-name* function : *function-desc* return code : *rc* file : *file-name* (*line-number*)

Explanation

None.

System action

Processing stops.

User response

Contact the administrator with the information provided in this message.

FMM0676E: *program-name*: cannot open file *file-spec*: error.

Explanation

IBM Storage Protect Snapshot cannot open the file.

System action

IBM Storage Protect Snapshot cannot complete the requested operation.

User response

Retry the operation. If the problem continues, check with your system administrator.

FMM0710E: Unable to close trace output file *file-name*.

Explanation

An error occurred during the closing of a trace output *file-name* (for example, not enough disk space).

System action

Processing continues.

User response

Check the options.doc file for a description of possible causes of the error, or see your system administrator.

FM0711E: Unable to write to trace file *tracefile*. Tracing disabled.

Explanation

An error occurred when writing to the specified *tracefile*.

System action

Tracing is disabled. Processing continues.

User response

Ensure the device that contains the *tracefile* is available, has sufficient space for the tracefile and the user has write permission to the target directory. Retry the command.

FM0712E: Invalid trace file name (name too long).

Explanation

A TRACEFILE option in the preferences files used a file name that is too long.

System action

Client program did not initialize.

User response

Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FM0727E: Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation

Trace file '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response

Specify the trace file location with the 'tracefile' option.

FM0728E: Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response

Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMM0729E: Unable to delete symbolic link '*link*'.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

Processing stops.

User response

Delete the symbolic link '*linkname*'.

FMM0739E: Invalid trace keyword - '*keyword*'

Explanation

A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action

Client program did not initialize or tracing was not enabled in the applet.

User response

Correct the value. See the entry for TRACEFLAGS in the *Trace Facility Guide* document for a list of valid trace flags.

FMM0740E: Unable to open trace output file *file-name*.

Explanation

A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action

Client program did not initialize.

User response

Change the TRACEFILE value so that it is a location to which you have write access.

FMM0741E: The physical volumes of the volume group *vg1* were not found.

Explanation

DP for Snapshot Devices will issue the command 'lsvg -M <vgname>' in a LVM mirror environment to determine on which physical and logical volumes is residing the production database. This command failed.

System action

Processing ends.

User response

Check the return code of lsvg. Consult the AIX system documentation.

FMM0742E: Varying off volume group *fnm1* failed.

Explanation

After the unmount of the database file systems, DP for Snapshot Devices will vary off the database volume groups on the backup system. The command varoffvg has failed.

System action

None.

User response

Check the specific error message. Consult the AIX system documentation. Check for proceeding errors during the unmount process.

**FMM0743I: <*fn1*> VOLUME GROUP : *fn2* COPIES : *fn3* SCHED POLICY : *fn4*
STALE PPs : *fn5* MIRROR WRITE CONSISTENCY: *fn6***

Explanation

System action

None.

User response

FMM0744I: <*lvname*><*copy*><*pv*><*serialno*><*status*>

Explanation

Finding the source volumes of the production database in a LVM mirror environment, DP for Snapshot Devices will display a list of all the logical volumes with the number of copies, the physical volumes, the serial number and the status. The status is only displayed for the case of stale.

System action

None.

User response

None.

FMM0745W: Logical volume *vg1* has *vg2* stale partitions.

Explanation

DP for Snapshot Devices checks first all the logical volumes for stale partitions and issues first only a warning if it finds some. The mirror set that is residing in the hardware unit that was chosen for the FlashCopy on this specific run, have to be free from stale partitions.

System action

None.

User response

Check why you are having stale partitions. If necessary, synchronize the logical volumes of the production database.

FMM0746E: The source volume with serial number *cmd* is not attached to the production system.

Explanation

The specified physical volume was found during the FlashCopy backup as part of the database volumes on the production system. Now, during the FlashBack Restore, it is no longer found on the production system.

One of the reasons this may occur is if you are in a remote mirror environment and are trying to restore the backup on an incorrect host - local backup on takeover host or remote backup on local host.

System action

Processing ends.

User response

Logon with the user root and issue the command `lsvpcfg`. Check if the volume is displayed. Use the storage-system user interface to find out to which host this volume is attached. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0747E: The source volume with serial number *cmd* belongs to another volume group.

Explanation

The specified physical volume was found during the FlashCopy backup as part of the database volumes on the production system. Now, on the FlashBack restore, DP for Snapshot Devices found it as member of another volume group and can not proceed with the restore.

System action

Processing ends.

User response

You must remove this volume from the other volume group if you want to use the specified FlashCopy backup for the FlashBack restore. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0748W: The logical volume *lv* on the mount point *mp* was renamed or newly added.

Explanation

DP for Snapshot Devices found a difference between the names of the logical volumes which were on the production database at the time of FlashCopy backup and the current logical volumes at the time of the FlashBack Restore.

System action

None.

User response

DP for Snapshot Devices will ask you during the FlashBack Restore if you are sure to continue, before all the file systems and logical volumes are removed. After that, DP for Snapshot Devices will only reconstruct the file systems which were backed up with FlashCopy. You have to add manually all the additional system changes that were made after the FlashCopy backup.

FMM0749I: List of the current file systems on the backed up volume groups ...

Explanation

Prior the start of the FlashBack restore, DP for Snapshot Devices will display a list of all the file systems which are currently on production database system.

System action

Processing ends.

User response

None.

FMM0750I: List of file systems which will be restored...

Explanation

Prior the start of the FlashBack restore, DP for Snapshot Devices will display a list of all the file systems which were on production database system at the time of the FlashCopy backup.

System action

Processing ends.

User response

None.

FMM0753W: The newly added volume *cmd* will be deleted from the database volume group *rc*.

Explanation

The reducevg command removes physical volumes from a volume group. DP for Snapshot Devices will call this command during the FlashBack Restore to remove the physical volumes added to the database volume groups after the FlashCopy backup.

System action

Processing ends.

User response

None.

FMM0754I: Logical volume *lv* was removed during Flashcopy Restore, because it was newly added since last backup, needs to be recreated manually.

Explanation

DP for Snapshot Devices found a difference between the names of the logical volumes which were on the production database at the time of FlashCopy backup and the current logical volumes at the time of the FlashBack restore.

System action

None.

User response

DP for Snapshot Devices will ask you during the FlashBack restore if you are sure to continue before all the file systems and logical volumes will be removed. After that, DP for Snapshot Devices will only reconstruct the file systems which were backed up with FlashCopy. You have to add manually all the additional system changes that were made after the FlashCopy backup.

FMM0755I: The following commands should be run after the FlashCopy process in background is finished to synchronize the LVM copies:

Explanation

IBM Storage Protect Snapshot will not automatically synchronize the copies after the reconstruction of the LVM mirror. A basic command will be created and printed out.

System action

Processing ends.

User response

You have to start the synchronization of the LVM mirror manually after the FlashCopy process in background has finished. If necessary you have to add additional parameter to the commands to improve the performance of the synchronization.

FMM0756E: Error converting the hdisk device volume group *vg* to a Subsystem Device Driver vpath device volume group.

Explanation

On the function FlashCopy backup, DP for Snapshot Devices will use the command `hd2vp` to convert the hdisk device volume group to a Subsystem Device Driver vpath volume group. This will take effect after the `importvg` and prior to the mount of the file systems on the backup system.

System action

Processing ends.

User response

Check the return code and the error message of the `hd2vp` command. Consult the AIX system documentation.

FMM0757W: The `rmlv` command *lv* ended with return code *rc*.

Explanation

For the function FlashBack Restore, DP for Snapshot Devices will use the command `rmlv` to remove the logical volumes onto which the production database should be restored. This will take effect after the unmount and prior to the `exportvg` and the actual FlashCopy.

System action

Processing ends.

User response

Check the return code and the error message of the `rmlv` command. Consult the AIX system documentation. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0758E: DP for Snapshot Devices encountered a problem when using the FlashCopy function of the Copy Services.

Explanation

DP for Snapshot Devices requested for a set of source/target volume pairs a FlashCopy to be done by the Copy Services. If the request fails within the storage system for one or more pairs with a non-zero return code, then DP for Snapshot Devices will provide the return code and then terminate.

System action

Processing ends.

User response

In order to identify which volume(s) were the cause of the problem you need to view the Copy Services status log for failures, there you find the failing volume(s) along with details about possible causes of the problem.

FMM0759E: The file system *fs* already has an entry in the */etc/filesystems*.

Explanation

On the backup system after the FlashCopy, DP for Snapshot Devices found that the specified file system still exist in the */etc/filesystems*.

System action

Processing ends.

User response

Normally the command "exportvg" will remove the corresponding file systems from the */etc/filesystems*. Check for errors during the unmount and withdraw process.

FMM0760W: The *reducevg* command *cmd* ended with return code *rc*.

Explanation

The *reducevg* command removes physical volumes from a volume group. DP for Snapshot Devices will call it 1. on FlashBack restore to remove the physical volumes added after the FlashCopy backup. 2. on FlashBack restore with LVM mirroring to remove the physical volumes which are residing on the hardware unit that is not yet involved in the FlashBack. 3. on FlashCopy backup with LVM mirroring if the environment variable IMPORTVG is set, to remove the physical volumes which are residing on the hardware unit that is not yet involved in the FlashCopy.

System action

Processing ends.

User response

Check the return code and the error message of the *reducevg* command. Consult the AIX system documentation.

FMM0761W: The *extendvg* command *cmd* ended with return code *rc*.

Explanation

The *extendvg* command adds physical volumes to a volume group. DP for Snapshot Devices will call it to add the volumes which are residing on the hardware unit that is not yet involved in the FlashBack to the database volume groups.

System action

Processing ends.

User response

Check the return code and the error message of the *extendvg* command. Consult the AIX system documentation.

FMM0762W: The mklvcopy command *cmd* ended with return code *rc*.

Explanation

DP for Snapshot Devices will call the command mklvcopy to add a copy of a logical volume on the physical volumes residing on the second hardware unit. This call will only take effect in a LVM mirroring environment, after the FlashBack restore was initialized. The FlashBack restore and the recovery will continue, but the second copy of the logical volumes will be missing.

System action

Processing ends.

User response

Check the return code and the error message of the mklvcopy command. Consult the AIX system documentation. Check for errors during the disabling process (unmount, rmfs, rmlv, varyoffvg, exportvg). You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0763I: Removing copies from the logical volumes ...

Explanation

On the function FlashBack restore, DP for Snapshot Devices will use the command rmlvcopy to remove the copies of the logical volumes residing on the second hardware unit. This will take effect after the unmount and prior to the exportvg and the actually FlashCopy reverse.

System action

Processing ends.

User response

None.

FMM0764I: Removing physical volumes from the volume groups ...

Explanation

On the function FlashBack restore, after the rmlvcopy and prior to the exportvg and the actually FlashCopy reverse, DP for Snapshot Devices will use the command reducevg to remove the physical volumes residing on the second hardware unit.

System action

Processing ends.

User response

None.

FMM0765I: Adding physical volumes to the volume groups ...

Explanation

On the function FlashBack restore, after the FlashCopy reverse and the import of the volume groups, DP for Snapshot Devices will add the physical volumes residing on the second hardware unit to the database volume groups.

System action

Processing ends.

User response

None.

FMM0766I: Adding copies to the logical volumes ...

Explanation

On the function FlashBack restore, DP for Snapshot Devices will use the command `mklvcopy` to add the copies of the logical volumes on the second hardware unit. This will take effect after the `importvg` and the `extendvg`.

System action

Processing ends.

User response

None.

FMM0767W: The command *cmd* ended with return code *rc*.

Explanation

The execution of the system command ended with the displayed return code.

System action

Processing ends.

User response

Check the return code and the error message of the specified command. Consult the AIX system documentation.

FMM0768E: Importing the volume group from hdisk *logdev* failed.

Explanation

DP for Snapshot Devices will use the command "`importvg`" on the function FlashCopy backup. This command will be issued on the backup system after the actually FlashCopy and the run of the configuration manager(`cfgmgr`). It takes a volumes from each volume group building up the production database, reads its VGDA and makes this information available to the operating system.

System action

Processing ends.

User response

Check the return code and the error message of the `importvg` command. Consult the AIX system documentation.

FMM0769E: Recreating the volume group from the hdisks *hdisks* failed.

Explanation

DP for Snapshot Devices will use the command "recreatevg" on the function FlashCopy backup if the production database is residing on an high-available LVM mirror environment. This command will be issued on the backup system after the actually FlashCopy and the run of the configuration manager (cfmgmgr). The difference to the command "importvg" is that recreatevg will create the volume group only with the specified volumes. These are building up exact the one copy on the hardware unit where the FlashCopy was issued.

System action

Processing ends.

User response

Check the return code and the error message of the `recreatevg` command. Consult the AIX system documentation.

FMM0770I: Removing the logical device *logdev* with the same PVID *pvid* in the ODM.

Explanation

There is still another logical device (hdisk or vpath) in the state defined with the same PVID as one of the source volumes.

System action

Processing continues.

User response

None.

FMM0771I: Could not mount all the filesystems originally present.

Explanation

This message will appear if running the function FlashBack restore, a file system was found that was added after the FlashCopy backup.

System action

User response

The user is responsible for create the new file system after the FlashCopy reverse, but before the recovery, if this file system was already used from the production database.

FMM0772W: The database volume groups do not contain currently any file system.

Explanation

This message will appear if running the function FlashBack restore, none file system was found on the original database volume group. Following that, DP for Snapshot Devices will display a list of the file system which are residing on the FlashCopy target volumes. These will be restored by means of FlashBack.

System action

User response

None.

FMM0773W: One or more errors were found disabling the production system resources. However, the FlashBack restore will continue.

Explanation

This message will appear if, when running the function FlashBack restore, an error occurs unmounting the existing file systems and removing the volume groups. However, DP for Snapshot Devices will continue with the FlashBack restore.

System action

User response

None.

FMM0774I: The '*diskname*' virtual disk on the '*virtual machine name*' virtual machine is successfully restored to the '*target virtual machine*' virtual machine and is added to its configuration.

Explanation

The specified virtual disk has been successfully restored.

System action

Processing continues.

User response

No action is required.

FMM0775E: The label of the logical volume *lvname* is missing. Set it using `chlv -L mountPoint logicalVolume`.

Explanation

IBM Storage Protect Snapshot requires the label of the logical volume to be set. Otherwise there will be an error importing the volume groups on the backup system.

System action

Processing stops.

User response

Set the label of the logical volume using: `chlv -L mountPoint logicalVolume`.

FMM0776I: Number of volumes to be processed by Flashcopy: *v1*

Explanation

Number of volumes to be processed by Flashcopy.

System action

None.

User response

None.

**FMM0777E: An unexpected error was encountered processing a function.
function name : *function-name* function : *function-desc* return code : *rc*
file : *file-name* (*line-number*)**

Explanation

None.

System action

Processing stops.

User response

Contact the administrator of the storage subsystem with the information provided in this message.

FMM0778E: SVC virtual disk *v1* is not valid. Please verify that the volume specified in the target volumes file exists.

Explanation

The specified virtual disk is not found in the list of virtual disks provided by the connected SVC cluster.

System action

Process stops.

User response

Ensure that of this virtual disk exists in the SVC.

FMM0779E: The source *v1* and target *v2* virtual disks are in different SVC clusters.

Explanation

The SVC's source and target virtual disks have to be assigned to the same SVC cluster for FlashCopy.

System action

Process stops.

User response

Ensure that of the source and target virtual disks are in the same SVC.

FMM0780E: The source *v1* and target *v2* virtual disks are of different size.

Explanation

The SVC's source and target virtual disks have to be of the same size for FlashCopy.

System action

Process stops.

User response

Ensure that of the source and target virtual disks are in the same SVC.

FMM0781E: An error was returned calling an operation of the Common Interface Model(CIM). function name : *function-name* received msg : *function-desc* CIM return code: *0xCIM-rc* file : *file-name (line-number)* If the received message contains 'CIM Error', then please collect the CIM Agent logs and send them to CIM support.

Explanation

A error occurred calling a CIM operation of the disk subsystem.

System action

Processing stops.

User response

Please see section about the CIM return codes and its description in the manual.

FMM0782E: A memory allocation error has occurred in file *filename*, line number *linenumber*.

Explanation

Enough memory was not available to continue processing.

System action

Processing ends.

User response

Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMM0783E: The execution of command 'lscfg' failed. Please verify that the command 'tset -I -Q' is not set in the users environment files .profile, .login .dbenv_<hostname>.sh, .dbenv_<hostname>.csh and .sapenv_<hostname>.sh, .sapenv_<hostname>.csh.

Explanation

If the command 'tset -I -Q' is set in the users environment files .profile, .dbenv_<hostname>.sh, and .sapenv_<hostname>.sh, then the command 'lscfg' will fail with the output 'Not a terminal' and will not return any configuration. This will cause the IBM Storage Protect Snapshot script 'hdwmap.sh' to fail.

System action

Process stops.

User response

Ensure that the command 'tset -I -Q' is not set in the users environment files .profile, .dbenv_<hostname>.sh, and .sapenv_<hostname>.sh .

FMM0784I: The ONTAP filer version on this appliance is: *n*.

Explanation

None.

System action

Process continues.

User response

None.

FMM0785W: The option fractional reserve on volume *vol_name* was reduced to less than 100 percent.

Explanation

N series extremely recommends that when the fractional reserve is set to less than 100 percent you actively monitor space consumption and the rate of change of data in the volume to ensure you do not run out of space reserved for overwrites. In that case, if you run out of overwrite reserve space, writes to the active file system fail and the host application or operating system might crash.

System action

Process continues.

User response

Ensure that you monitor the space consumption. Consult NetApp for tools to monitor available space in your volumes.

FMM0786I: Removing the snapshot *snapshot_name* of source volume *source volume* (LUN *LUN_path*)

Explanation

The removal of the specified snapshot of the source volume was requested.

System action

Processing continues.

User response

None.

FMM0787E: The snap restore for volume *volname* with snapshot name *snapname* would destroy later snapshots that are required for other applications or for volume clones.

Explanation

N series will delete newer snapshots of a volume when a specific snapshot is used for snap restore.

System action

Process stops.

User response

Prior a snap restore, ensure that newer snapshots are not used in other applications or in volume clones.

FMM0788W: IBM Storage Protect Snapshot did not find any snapshots for volume *volname* on the N series filer.

Explanation

No snapshots for this volumes in the N series filer found.

System action

Process continues.

User response

None.

FMM0789W: IBM Storage Protect Snapshot did not find any information about the N series volume *volname*.

Explanation

Trying to get information about this volume did not return any data.

System action

Process continues.

User response

None.

FMM0790E: The snapshot name *snapname* for volume *volname* was not found in the snapshot list on the N series filer.

Explanation

Snapshot identified by this name does not exist.

System action

Process stops.

User response

None.

FMM0791W: Function refresh incremental FlashCopy cannot be accomplish because no consistency group found for these volumes.

Explanation

A refresh of the incremental FlashCopy can only be done when the consistency group and the correspondent FlashCopy relation were established previously.

System action

None.

User response

None.

FMM0792E: The list of volumes passed contain pairs which belong to different consistency groups in the scope of one single cluster.

Explanation

IBM Storage Protect Snapshot handles for each operation only one consistency group per cluster at the same time. If the set of volumes in a backup or restore operation contain pairs that belong to different consistency group inside one single cluster, then the process of the operation will be stopped.

System action

Process stopped.

User response

If you added volumes to the production database or to the target set, ensure that they are not in any FlashCopy relation.

FMM0793W: No FlashCopy relationships found in the storage system.

Explanation

The copy services server (mostly a CIM Object Manager) does not have any FlashCopy relation objects.

System action

Process may stop.

User response

This is not necessarily a message that implies the stop of the process.

FMM0794E: The state *status* of the consistency group is bad to achieve a valid disk backup.

Explanation

IBM Storage Protect Snapshot function monitoring will expect that the FlashCopy are in one of the state Idle_Copied or Copying.

System action

Process will stop.

User response

Verify using the storage GUI the state of the FlashCopy. If this state was generated by an user action, try to start the copy process through the storage GUI, then re-start the IBM Storage Protect Snapshot monitoring function.

FMM0795E: Error initializing the connection to the copy services server.

Explanation

IBM Storage Protect Snapshot could not initialize the connection to the copy services server.

System action

Process will stop.

User response

Check previous error to identify the exact problem during the initialization.

FMM0796I: Trying to connect to primary copy services server '*cs_primary*'.

Explanation

None.

System action

Process will continue.

User response

None.

FMM0797I: Trying to connect to primary '*cs_prim*' and/or secondary '*cs_sec*' copy services server.

Explanation

None.

System action

Process will continue.

User response

None.

FMM0798I: The primary copy services server '*cs_prim*' is not responding. The following CIM error was reported: *cim_err_msg* Working with secondary copy services server '*cs_sec*'.

Explanation

None.

System action

Process will continue.

User response

None.

FMM0799E: The primary copy services server '*cs_prim*' is not responding. The following CIM error was reported: *cim_err_msg*

Explanation

IBM Storage Protect Snapshot cannot connect to the primary copy services server.

System action

Process will stop.

User response

Check that the primary copy services server and the CIMOM on it is up and running.

FMM0800E: Neither the primary '*cs_prim*' nor the secondary copy services server '*cs_sec*' are responding. The following CIM error was reported: *cim_err_msg*

Explanation

IBM Storage Protect Snapshot cannot connect either to the primary nor to the secondary copy services server.

System action

Process will stop.

User response

Check that one of both primary or secondary copy services server and the CIMOM running on it is up and running.

FMM0801W: The FlashCopy direction in the consistency group *cs_name* is switched. A withdraw will be done prior to continue.

Explanation

The FlashCopy direction of source and target volumes in the consistency group is switched. This can be caused through the restore process. A withdraw will be done prior to continue.

System action

Process will continue.

User response

None.

FMM0808E: Operating system command '*command*' failed; rc=*rc*.

Explanation

None.

System action

Process stops.

User response

Check the return code from the operating system for more information about the failure. Issue the failing command manually to see if the same failure occurs.

FMM0809E: The primary and secondary copy service servers are down.

Explanation

None.

System action

Process stops.

User response

Start at least one of the copy service servers.

FMM0810E: Cannot open the command output file *v1* for writing.

Explanation

Can't open this file for writing.

System action

Process stops.

User response

Make sure you have enough space on your system and write permission to the file.

FMM0811E: The LUN are already in use.

Explanation

None.

System action

Process stops.

User response

Release LUN in order to reuse them.

FMM0812I: The backup DB2 UDB preview command indicates there are sufficient resources for a backup operation.

Explanation

None.

System action

None.

User response

None.

FMM0836E: Error while invoking the diskmapper.

Explanation

Invocation of diskmapper failed.

System action

Processing ends.

User response

Contact the administrator of the storage subsystem with the information provided in this message.

FMM0837E: The path 'v1' is not a character device.

Explanation

The path queried from the ASM instance is not a valid character device.

System action

Processing ends.

User response

Check the setup of you ASM instance.

FMM0838W: The following files have been found in the diskgroup although they do not belong to the database and are not contained in the negative list: *files*.

Explanation

Additional files have been found which do not belong to the database and which are not contained in the negative list.

System action

The mentioned files will be contained in the backup.

User response

If you do not want these files to be contained in the backup please remove them from the diskgroup. If you want them to be included please add them to the negative list.

FMM0839E: Not all disks of the failure group '*failureG*' of diskgroup '*diskG*' were found on the configured storage subsystem. This failure group is excluded from further processing.

Explanation

Disks of the specified failure group could not be found on the storage subsystem that was configured. Thus, this failure group cannot participate in the FlashCopy operation.

System action

Processing ends.

User response

Ensure that all disks of the specified failure group reside on the storage subsystem that was configured within the IBM Storage Protect Snapshot configuration.

FMM0840E: Not enough failure groups for redundancy type '*redType*' in diskgroup '*diskGroup*'. '*foundFG*' have been found but '*neededFG*' are needed for this redundancy type. Please make sure that the currently selected DEVICE_CLASS contains enough failure groups for a consistent flashcopy and ensure that they are online.

Explanation

There are not enough online failure groups for the redundancy type of the diskgroup on the current storage device. The backup would not be restorable.

System action

Processing ends.

User response

Please make sure that the currently selected DEVICE_CLASS contains enough failure groups for a consistent flashcopy and ensure that they are online.

FMM0841E: Not all disks reside on the same cluster. Disks were found on the cluster with id: '*first cluster id*' and on the cluster with id '*second cluster id*'.

Explanation

The disks of the diskgroups needed for the flashcopy do not reside on one storage device.

System action

Processing ends.

User response

If you specified failure groups in the profile ensure that the disks they are located on reside on the same storage device. If you did not specify any ensure that all diskgroups needed for the flashcopy reside on the same storage device.

FMM0842E: The ASM diskgroup '*diskGroup*' could not be dropped but is still available in the ASM instance. Restore will be stopped.

Explanation

The specified diskgroup could not be dropped but it is still available in the ASM instance. A restore could lead to an inconsistent state of the diskgroup.

System action

Processing ends.

User response

Check the state of the specified diskgroup and try to drop it manually.

FMM0843E: The ASM diskgroup '*diskGroup*' could not be unmounted and is still mounted in the ASM instance. Unmount will be stopped.

Explanation

The specified diskgroup could not be unmounted and is still mounted in the ASM instance. Continuing with the unmount operation could lead to an inconsistent state of the diskgroup.

System action

Processing ends.

User response

Check the state of the specified diskgroup and try to unmount it manually.

FMM0844E: No target volume is available for serial '*serial*'.

Explanation

No target volume was found for the specified serial.

System action

Processing ends.

User response

Ensure your backup system is in a consistent state and that mapping new volumes to the backup system works properly.

FMM0845E: The volume manager of your profile is not set to ASM, the found value is 'serial'. Ensure that you have set the right volume manager in your profile.

Explanation

The value for volume manager in the profile is wrong.

System action

Processing ends.

User response

Set the volume mangager in the profile to ASM.

FMM0846E: You have SDD installed on your system, but SDD is currently not supported by this product when using Oracle ASM.

Explanation

The value for volume manager in the profile is wrong. SDD is not supported for ASM, only SDDPCM and MPIIO are supported for ASM.

System action

Processing ends.

User response

Install SDDPCM or use MPIIO only.

FMM0847E: Error occured while checking the 'db2nodes.cfg' on the production system and on the clone system. The 'db2nodes.cfg' on the production system contains *production system entries* entries, whereas the 'db2nodes.cfg' on the clone system contains *clone system entries* entries.

Explanation

The DB2 partition configuration file (db2nodes.cfg) on the production system has a different number of partition configuration entries than its counterpart on the clone system.

System action

Processing ends.

User response

Verify the number of partition configuration entries of the DB2 partition configuration file (db2nodes.cfg) on the production system as well as on the clone system. The number of entries within each of these files have to have identical.

FMM0848E: Error occurred while checking the 'db2nodes.cfg' on the production system and on the clone system. The database partition *partition number* configured on the production system is not configured on the clone system.

Explanation

The DB2 partition configuration file (db2nodes.cfg) on the production system has a partition configured which is not configured in the DB2 partition configuration file (db2nodes.cfg) on the clone system.

System action

Processing ends.

User response

Verify that all partitions configured in the DB2 partition configuration file (db2nodes.cfg) on the production system are configured denoted by the same partition number on the clone system as well.

FMM0849E: Error occurred while checking the 'db2nodes.cfg' on the production system and on the clone system. The hostname '*host name*' where partition *partition number* resides is contained in the 'db2nodes.cfg' on the production system as well as on the clone system. Either the setup of the 'db2nodes.cfg' file on the clone system is wrong or the clone system was configured on the same host as the production system.

Explanation

The DB2 partition configuration file (db2nodes.cfg) on the production system contains at least for the named partition the same host entry like its counterpart on the clone system.

System action

Processing ends.

User response

Verify that the DB2 partition configuration file (db2nodes.cfg) on the clone system is valid. Further ensure, that the mount agent (process credentials: acsgen -D -M) is running on the clone system, which has to be a different host than the production system.

FMM0850I: To synchronize the volume groups that have stale partitions you can use the following commands:

Explanation

IBM Storage Protect Snapshot does not automatically synchronize the copies after the reconstruction of the LVM mirror during a FlashCopy restore. A basic command will be created and printed out.

System action

Processing ends.

User response

You have to start the synchronization of the LVM mirror manually for example after a FlashCopy restore when the background copy process in the storage system has finished. If necessary you have to add or change parameters to the commands to improve the performance of the synchronization.

FMM0851E: The copyservices timeout value of *fsname* minutes was reached while waiting for an answer of the copyservices CIM agent. Specify increase the value of the profile parameter COPYSERVICES_TIMEOUT in the DEVICE_CLASS section of the profile, to increase the timeout limit. The default value of this parameter is 6 minutes.

Explanation

The communication with the copyservices CIM agent terminated after the timeout value specified by the COPYSERVICES_TIMEOUT parameter was already exceeded.

System action

Processing stops.

User response

Increase the timeout value for the COPYSERVICES_TIMEOUT parameter.

FMM0852E: It is not allowed to establish a second incremental FlashCopy relation from a source volume *source volume* to a target volume *target volume* while another incremental FlashCopy relation from the same source volume to a different target volume already exists.

Explanation

The IBM System Storage DS8000 does only support to have one incremental FlashCopy relation from a source to a target.

System action

Processing stops.

User response

Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0853E: During the mount operation IBM Storage Protect Snapshot identified that the following source volumes are visible on the backup or cloning system '*host name*'. This can be caused by misconfiguration in the storage system or by misconfiguring the IBM Storage Protect Snapshot backup or cloning system to the same host as the production system. List of visible source volumes: *source volumes*

Explanation

The IBM System Storage DS8000 does only support to have one incremental FlashCopy relation from a source to a target.

System action

Processing stops.

User response

Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0854E: During the mount operation IBM Storage Protect Snapshot identified that the following target volumes are not visible on the backup or cloning system '*host name*'. List of missing target volumes: *target volumes*

Explanation

The IBM System Storage DS8000 does only support to have one incremental FlashCopy relation from a source to a target.

System action

Processing stops.

User response

Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0855E: During the mount operation IBM Storage Protect Snapshot identified that the following target volumes are not visible on the ESX host '*host name*'. List of missing target volumes: *target volumes* Either the volumes could not be assigned to the host correctly or you used PRE_ASSIGNED_VOLUMES for the TARGET_SETS parameter in your Device Class section and the target volumes are not assigned to this ESX host.

Explanation

System action

Processing stops.

User response

Check the error log for detailed information.

FMM0856E: The datastore '*datastore name*' cannot be attached to the ESX host: '*host name*', the datastore is already attached to another ESX host. You must detach the data store that is currently attached to the ESX host and try the task again.

Explanation

System action

Processing stops.

User response

Check the error log for detailed information.

FMM0857E: The virtual disks of the source virtual machine '*source vm name*' cannot be attached because a disk is already attached to a target virtual machine. Detach all virtual disks of the source virtual machine and try the attach task again.

Explanation

Because a virtual disk is already attached to the target virtual machine, the virtual disks of the source virtual machine cannot be attached.

System action

Processing stops.

User response

On the target virtual machine, detach all virtual disks. Try to attach the virtual disks from the source virtual machine to the target virtual machine again.

FMM0858I: The Oracle recovery catalog check (fcm.catalog_db_connection) validates if the database is registered in the Oracle RMAN recovery catalog.

Explanation

The Oracle non-SAP database that is protected with FlashCopy Manager, must be registered in the RMAN recovery catalog.

System action

User response

Ensure that the Oracle database is registered in the RMAN recovery catalog.

FMM0859E: An error occurred in the connection to the Oracle recovery catalog:
rman output shell group

Explanation

The Oracle non-SAP database that is protected with FlashCopy Manager, must be registered in the RMAN recovery catalog.

System action

The Oracle recovery catalog check fails.

User response

Ensure that the Oracle database is registered in the RMAN recovery catalog.

FMM0860E: The Oracle database is not registered in the Oracle recovery catalog.

Explanation

The Oracle non-SAP database that is protected with FlashCopy Manager, must be registered in the RMAN recovery catalog.

System action

The Oracle recovery catalog check fails.

User response

Ensure that the Oracle database is registered in the RMAN recovery catalog.

FMM0861E: The command line option -r is missing.

Explanation

To connect to the Oracle RMAN catalog database, the RMAN -r connection string is needed.

System action

The fcm.catalog_db_connection check failed.

User response

Re-run the checker and add the RMAN connection string, -r to connect to the RMAN catalog.

FMM0862E: The value AUTO is not supported for ASM_INSTANCE_USER parameter.

Explanation

IBM Storage Protect Snapshot does not support AUTO value for the ASM_INSTANCE_USER parameter.

System action

The IBM Storage Protect Snapshot profile check failed.

User response

Specify an existing ASM_INSTANCE_USER in the IBM Storage Protect Snapshot profile.

FMM0863I: IBM Storage Protect Snapshot detected the ACFS device: '*vol_dev*', with mount point: '*mnt_pt*', in disk group: '*dg_name*'.

Explanation

IBM Storage Protect Snapshot detected an ACFS device. This device and mount point are part of the clone operation.

System action

Operation continues.

User response

No action is required.

FMM0864W: IBM Storage Protect Snapshot detected the ACFS device: '*vol_dev*', with mount point: '*mnt_pt*', in disk group: '*dg_name*'.

Explanation

IBM Storage Protect Snapshot detected an ACFS device. This device and mount point will be overwritten during a restore operation from this backup.

System action

Operation continues with a warning.

User response

During the restore operation from this backup, all data in the ACFS device, under the mount point will be overwritten.

FMM1000E: syntax error in line *line* : '*statement*'

Explanation

The statement *statement* in the Data Protection for SAP profile is unknown or incorrect.

System action

User response

Correct the error and try again.

FMM1001E: syntax error in file '*file name*'. Exiting program.

Explanation

A syntax error has been detected in the file *file name* and the action has been halted.

System action

User response

Correct the error(s) in the file *file name* and try again.

FMM1002E: BACKUPIDPREFIX must be *number_of_characters* characters!

Explanation

The length of BACKUPIDPREFIX must be *number_of_characters* characters.

System action

User response

Enter a BACKUPIDPREFIX with the required length (for example, SAP____, FMM____).

FMM1003W: Please set *redolog_copies* to a number between *min_copies* and *max_copies* a. Now it is set to *act_copies*.

Explanation

Data Protection for SAP currently supports 1 to 9 copies of offline (redo) log files.

System action

User response

Adapt the REDOLOG_COPIES settings in the Data Protection for SAP profile.

FMM1004W: ou should specify the BACKUPIDPREFIX before the TRACEFILE statement. So that the BACKUPIDPREFIX can be used in the tracefilename.

Explanation

The BACKUPIDPREFIX is used to build the Name of the tracefile. Therefore, BACKUPIDPREFIX must be specified before the TRACEFILE statement.

System action

User response

Define a 6-character BACKUPIDPREFIX in the Data Protection for SAP profile (for example, SAP____, FMM____)

FMM1006E: The SERVERNAME must be less than *max_char* characters.

Explanation

You have used a SERVERNAME with more than *max_char* characters.

System action

User response

Use a shorter SERVERNAME.

FMM1007E: The NODENAME must be less than *max_char* characters.

Explanation

You have used a NODENAME with more than *max_char* characters.

System action

User response

Use a shorter NODENAME.

FMM1008E: The MANAGEMENTCLASSNAME must be less than *max_char* characters.

Explanation

You have used a MANAGEMENTCLASSNAME with more than *max_char* characters.

System action

User response

Use a shorter MANAGEMENTCLASSNAME.

FMM1009W: Please set MULTIPLEX to a number between 1 and *max_multiplex*. Now it is set to *act_multiplex*.

Explanation

You have set multiplexing to an unsupported number. Data Protection for SAP now uses *act_multiplex*.

System action

User response

Set multiplexing to a number between 1 and *max_multiplex*.

FMM1011W: The sortfilename '*sortfile_filename*' should be absolute!

Explanation

None.

System action

User response

Specify an absolute file name, for example `/oracle/C21/dbs/sortfile`.

FMM1012E: Configfile not found or permission denied: '*configuration_filename*'.

Explanation

Data Protection for SAP is unable to read the file *configuration_filename*.

System action

User response

This error could have various reasons, try the following: 1. Check the path of the configuration file. The path must be specified in the profile (parameter `CONFIG_FILE`). 2. Make sure that the file access permissions are set correctly.

FMM1013E: Profile not found or permission denied: '*profile_filename*'.

Explanation

Data Protection for SAP is unable to open the profile *profile_filename*.

System action

User response

(Oracle) Ensure that the SAP backup profile `init<SID>.sap` contains a valid entry `util_par_file` for the Data Protection for SAP profile. (DB2) Ensure that the vendor environment file contains a valid entry `XINT_PROFILE`. Furthermore, this file must be readable by Data Protection for Data Protection for SAP.

FMM1014I: Operation *function* was completed successfully.

Explanation

This information message in the summary log indicates that the requested operation completed.

System action

The operation was completed.

User response

No action is required.

FMM1015E: Operation *function* completed with error.

Explanation

This information message in the summary confirms that a requested operation failed.

System action

The operation failed.

User response

Check the summary log and the detailed log used by the failed operation in order to identify the failure.

FMM1016W: The tracefilename '*file name*' could not be opened for writing!

Explanation

The trace file could not be opened for writing.

System action

User response

Ensure that you have specified a correct path for the trace file.

FMM1017E: The server *server* is already defined. Please use another name or specify TCP_ADDRESS!

Explanation

The named server was already defined in the profile. Server stanzas with identical names are not allowed unless the keyword TCP_ADDRESS is defined in one of them.

System action

User response

Update the profile accordingly and try again.

FMM1019E: Failed to respond to a message received from XINT.

Explanation

This messages indicates an internal error.

System action

User response

Contact IBM Support.

FMM1021E: *component_name* terminates the connection due to a previous error.

Explanation

A serious error has occurred which caused a shutdown of the communication channel between the *component_name* process and this application.

System action

User response

Look for previous error messages to detect the root cause of the problem.

FMM1022E: *component_name* terminates the connection due to a previous error.

Explanation

See message FMM1021E.

System action

User response

See message FMM1021E.

FMM1023W: Could not establish connection to log server *log server name*.

Explanation

In the Data Protection for SAP profile, log server *log server name* is specified (keyword LOG_SERVER). However, a connection to the server named could not be established. No log records are sent to the log server.

System action

User response

- Check that the server name defined with keyword LOG_SERVER is spelled correctly in the Data Protection for SAP profile.
- Make sure there is a SERVER section in the profile for the log server defined with keyword LOG_SERVER.
- Check the corresponding SERVER section and correct any setup problems.
- Make sure that the log server named is available.

FMM1024E: The file *filename* occurs twice in the <infile>

Explanation

The named file name occurs multiple times in the infile which is a violation of the interface specification.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM1025E: You must use consistency groups when using ASM. Set the profile parameter '*profile param*' accordingly.

Explanation

The profile specified that consistency groups should not be used. However, ASM requires the use of consistency groups.

System action

Processing ends.

User response

Update your profile accordingly.

FMM1026E: Writable snapshots must be used when running in an LVM mirroring environment. Update the profile parameter '*profile param*' accordingly.

Explanation

The profile specified that writable snapshots should not be used. However, writable snapshots must be used in LVM mirroring environments.

System action

Processing ends.

User response

Update your profile accordingly.

FMM1027E: The mount operation failed. Although an unmount operation can clean up the backup system, in some cases this is not possible and the cleanup must be performed manually. In this case, the unmount operation should be started after cleanup in order to start another mount operation.

Explanation

The mount operation failed. Although an unmount operation can clean up the backup system, in some cases this is not possible and the cleanup must be performed manually. In this case, the unmount operation should be started after cleanup in order to start another mount operation.

System action

Processing ends.

User response

To cleanup your backup system, try to unmount the backup using tsm4acs. If the unmount operation does not succeed, clean up your backup system manually and use tsm4acs again to unmount the backup.

FMM1029W: Device '*device*' could not be opened. Received error message from the operating system: '*error_message*'. This device might cause the current FlashCopy Manager operation to fail.

Explanation

The specified device could not be opened.

System action

Processing continues.

User response

Check the device for errors.

FMM1030E: The operating system refused a request for memory allocation.

Explanation

IBM Storage Protect Snapshot requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.

- The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.

- Some other error condition occurred that caused the program to think it is out of memory.

System action

IBM Storage Protect Snapshot cannot complete the requested operation.

User response

Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units.

For UNIX systems that support resource limits, check to see if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMM1031I: The tape backup received this ID: '*tape_backup_id*'.

Explanation

The tape backup received the specified ID. The backup is available for restore from tape with this ID as soon as the tape backup completed successfully.

System action

Processing continues.

User response

No action required.

FMM1032E: The nodes of PARTITION_GROUP '*partition_group_name*' are associated with multiple device classes: '*first_device_class*', '*second_device_class*'

Explanation

Multiple device classes are used with the same partition group. Only one device class can be used for all nodes that belong to one partition group.

System action

Processing ends.

User response

Use only one device class for the specified partition group in the profile.

FMM1033W: The backup '*backup_id*' is not expired because it is still valid in the repository. You can either manually delete this backup or set the parameter MAX_VERSIONS to ADAPTIVE. Note that this parameter setting turns off snapshot expiration.

Explanation

The specified backup is still valid and cannot be expired.

System action

Processing ends.

User response

Manually delete the specified backup or set the parameter MAX_VERSIONS to ADAPTIVE. Note that this parameter setting turns off snapshot expiration.

FMM1039E: Aborting backup. Another backup with ID '*backup_id*' is already mounted on backup server: '*host*'.

Explanation

After the backup completes, a mount operation is required to verify that it is a valid backup. Another backup with the same mountpoints is already mounted on the same backup server. As a result, the mount operation is not attempted and the backup ends to prevent it from failing.

System action

Processing ends.

User response

You can either unmount the specified backup from the specified backup server, or if an automated tape backup is running, wait until it completes.

FMM1040E: An exception occurred in the operating system adapter component, exception text: *extext*.

Explanation

An exception occurred in the operating system adapter component.

System action

Processing ends.

User response

Contact IBM support.

FMM1041E: Failed to identify the default DB2 instance of user *DB2 instance owner*. Please set the DB2 environment variable DB2INSTANCE correctly.

Explanation

The default DB2 instance could not be identified.

System action

Processing ends.

User response

The environment variable DB2INSTANCE has to be set to a valid value.

FMM1042E: The entry in the FLASH_DIR_LIST file is not a valid file or directory: *entry*.

Explanation

It is also possible to flash or clone non database related files or directories. IBM Storage Protect Snapshot checks whether the files or directories specified in the FLASH_DIR_LIST exist prior the flash or cloning operation is started.

System action

Processing ends.

User response

Verify the reported invalid entry in the FLASH_DIR_LIST file and revise the entry accordingly.

FMM1043E: The environment is set up for the wrong database instance: '*wrong instance*'. Expected instance '*expected instance*'.

Explanation

The name of the instance returned by the dbms does not match the expected instance name. The expected instance name is taken either from the environment variable ORACLE_SID or can be overridden with the command line option '-d <database_name>'.

System action

Processing ends.

User response

Make sure the environment variable ORACLE_SID is set correctly or specify the instance name with the command line option '-d <database_name>'.

FMM1044E: The section CLONING is missing from the profile.

Explanation

To perform any of the cloning realated functions the section CLONING must be added to the IBM Storage Protect Snapshot profile.

System action

Processing ends.

User response

Add the section CLONING to the IBM Storage Protect Snapshot profile.

FMM1045E: The parameter TARGET_SETS VOLUMES_DIR must not be used for cloning operations.

Explanation

TBD_AU

System action

Processing ends.

User response

TBD_AU

FMM1046E: FlashCopy Cloning is not supported with FLASHCOPY_TYPE NOCOPY. Please specify COPY or INCR instead.

Explanation

TBD_AU

System action

Processing ends.

User response

TBD_AU

FMM1047E: Expected keyword '*expected keyword*' but found '*wrong keyword*'.

Explanation

During IBM Storage Protect Snapshot profile parsing a wrong keyword was found whereas another keyword was expected.

System action

Processing ends.

User response

Check the IBM Storage Protect Snapshot profile section containing the wrong keyword and adjust it accordingly.

FMM1048E: Device section '*device section*' can not be used for cloning. Either add 'USE_FOR_CLONING <SID>' to reserve this device class for cloning operations or choose another device class.

Explanation

The referred device class cannot be used for cloning operations.

System action

Processing ends.

User response

A possible solution is to either add 'USE_FOR_CLONING <SID>' to reserve this device class for cloning operations or to choose another device class instead.

FMM1049E: No DEVICE_CLASS found that can be used for the current FlashCopy Cloning operation with the clone database name specified with the command line option -C <Clone DBname>.

Explanation

No device class section in the IBM Storage Protect Snapshot profile could be found which is eligible for cloning operations.

System action

Processing ends.

User response

Check the value of the 'USE_FOR_CLONING' argument of the DEVICE_CLASS parameter in the CLONING section of your profile.

FMM1050E: The mandatory argument *argument* as part of the device class parameter *device class* does not exist.

Explanation

For some operations, e.g. cloning, a dedicated device class section must be specified in the IBM Storage Protect Snapshot profile. This is done by attaching a special mandatory argument string to the device class parameter.

System action

Processing ends.

User response

Add the mandatory argument to the favoured device class section parameter.

FMM1051E: The keyword '*use_for_cloning_keyword*' is needed for the keyword TARGET_NAMING in the device class '*device class*' because this device class is used for cloning.

Explanation

The keyword TARGET_NAMING requires the specified keyword if the device class is used for cloning.

System action

Processing ends.

User response

Specify the specified keyword for TARGET_NAMING.

FMM1052E: The parameter TARGET_NAMING of the device class '*device class*' is not configured for cloning of the database instance '*instance*'.

Explanation

To be able to use a dedicated device class for cloning operations it has to have setup for that special type of operations. To mark it accordingly, the device class argument 'USE_FOR_CLONING' followed by the name (or SID) of the database instance to be cloned has to have attached to the device class profile parameter TARGET_NAMING.

System action

Processing ends.

User response

Update the favoured device class parameter in the IBM Storage Protect Snapshot profile.

FMM1053E: Failed to identify the default DB2 instance of user '*user name*'. The environment variable DB2INSTANCE is missing.

Explanation

The default DB2 instance could not be detected due to the required environment variable DB2INSTANCE is not set.

System action

Processing ends.

User response

Set the DB2 environment variable DB2INSTANCE accordingly.

FMM1054E: Failed to attach to the DB2 instance '*instance*'.

Explanation

The process was unable to attach to the specified DB2 instance.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1055E: Failed to get the DB2 database manager configuration.

Explanation

The process was unable to get the DB2 database manager (instance) configuration.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1056E: Failed to detach from the DB2 instance '*instance*'.

Explanation

The process was unable to detach from the specified DB2 instance.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1057E: Failed to query the DB2 client settings.

Explanation

The process was unable to query the DB2 client settings.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1058E: Failed to set the DB2 client parameters.

Explanation

The process was unable to set the DB2 parameters.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1059E: Recovery of the DB2 database '*database alias*' failed.

Explanation

The database rollforward recovery failed.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details.

FMM1060E: Failed to set the DB2 database configuration for database '*database alias*'.

Explanation

The process was unable to set the DB2 database configuration.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1061E: Failed to get the DB2 database configuration for database *'database alias'*.

Explanation

The process was unable to get the DB2 database configuration.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1062E: Failed to mount the database on host *'hostname'*. This is the output of the failed command:*output*

Explanation

The process was unable to mount the database instance.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1063E: Failed to identify the log path for partition *partition number*.

Explanation

The process was unable to detect the log path for a dedicated database partition.

System action

Processing ends.

User response

Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1064E: Failed to identify the current working directory.

Explanation

The process was unable to detect the current working directory. An indication for that issue is that read or search permission was denied for a component of the directory name.

System action

Processing ends.

User response

Check the application logs as well as the access rights and permissions of the working directory.

FMM1065E: Failed to change working directory to '*directory*'Error: *error number: error text*.

Explanation

The process was unable to change the current working directory. Indicators for that issue are that the search access is denied for the named directory, that the named directory does not exist or that the named directory is not a directory.

System action

Processing ends.

User response

Check the application logs as well as the access rights and permissions of the new working directory and whether the directory does exist.

FMM1066E: Failed to create symbolic link from '*directory/new instance*' to '*instance*'Error: *error number: error text*.

Explanation

The process was unable to create a symbolic link to the specified location. Indicators for that issue are that an object of that name already exists, that insufficient access rights and privileges prevent the creation of the link or there might be no free space left on the file system containing the directory.

System action

Processing ends.

User response

Check the application logs as well as the access rights, privileges and free space of the file system where the link is to be placed.

FMM1067E: Entry in the storage path file '*file*' is not a valid file or directory: '*directory*'.

Explanation

TBD_AU

System action

Processing ends.

User response

TBD_AU

FMM1068E: The clone instance on the clone system is running.

Explanation

Actually, the clone instance on the clone system is running. Prior another operation can be started the clone instance needs to be stopped.

System action

Processing ends.

User response

Stop the clone instance.

FMM1069E: The clone instance on the clone system is not running.

Explanation

Actually, the clone instance on the clone system is not running. Prior another operation can be started the clone instance needs to be started.

System action

Processing ends.

User response

Start the clone instance.

FMM1070E: Due to a mount agent is already registered on backup system '*backup system*' additional mount agents have to have registered using different device classes.

Explanation

On the same backup system multiple mount agents can only run on that sytem simultaneously if they are supporting different device classes.

System action

Processing ends.

User response

Specify a not already used device class using the '-s <device class>' option when starting the mount agent on the backup system.

FMM1071E: A mount agent is already registered on backup system '*backup system*' using the device class '*device class*'. Additional mount agents have to have registered using different device classes.

Explanation

On the same backup system multiple mount agents can only run on that system simultaneously if they are supporting different device classes.

System action

Processing ends.

User response

Specify a not already used device class using the '-s <device class>' option when starting the mount agent on the backup system.

FMM1072E: Due to another mount agent is already registered on backup system '*backup system*' using device class '*device class*' and node(s) '*list of nodes*' additional mount agents on host '*backup system*' have to have registered using different nodes instead of '*list of nodes*'.

Explanation

Multiple mount agents on the same backup system can run simultaneously only if they are supporting different device classes. Multiple mount agents on different backup systems using the same device class can run simultaneously only if they are supporting different nodes.

System action

Processing ends.

User response

Specify a not already used device class, whereas all participating backup system have to have considered, using the '-s <device class>' option when starting the mount agent on the backup system. If the same device class should be used on different backup systems specify the nodes of the backup system using the the '-N <comma separated list of nodes>' option when starting the mount agent on the backup system.

FMM1073E: The clone database name *database name commandline* specified with the command line option -C does not match with the database names *database name cloningsection* specified in the DEVICE_CLASS parameter of the CLONING section.

Explanation

The database names specified with the command option -C and with one of the DEVICE_CLASS profile parameters have to be identical.

System action

Processing ends.

User response

Correct either of the database names.

FMM1074E: A FlashCopy clone was requested for clone database *database name* and device class *device class* but the parameter CLONE_DATABASE YES is not specified in this device class section.

Explanation

For cloning operations the IBM Storage Protect Snapshot profile parameter CLONE_DATABASE set to YES has to be specified in the corresponding device class section.

System action

Processing ends.

User response

Please use a device class that has specified the parameter CLONE_DATABASE YES.

FMM1075E: A FlashCopy backup was requested for device class *device class* but the parameter CLONE_DATABASE YES is specified in this device class.

Explanation

For FlashCopy backup operations the corresponding IBM Storage Protect Snapshot profile device class section must not contain the parameter CLONE_DATABASE set to YES.

System action

Processing ends.

User response

Please use a device class that has not specified the parameter CLONE_DATABASE YES.

FMM1076E: The target set '*target set*' is used for a backup with ID '*backup ID*'. It cannot be used as target set for cloning.

Explanation

Target sets used for FlashCopy backups are not eligible for cloning.

System action

Processing ends.

User response

Please delete the FlashCopy backup first.

FMM1077E: The target set '*target set*' is used for a clone with ID '*backup ID*'. It cannot be used as target set for backup.

Explanation

Target sets used for clones are not eligible for FlashCopy backups.

System action

Processing ends.

User response

Please delete the clone first.

FMM1078E: The operation *name* cannot be started due to the FlashCopy clone(s) '*target set*' is/are still copying data in the storage system from source to target.

Explanation

As long as a background copy process is running no other operations using the same target sets can be started.

System action

Processing ends.

User response

Either wait until the background copy in the storage system has finished or delete the clone(s) immediately and restart the operation.

FMM1079E: The data container '*container ID*' is already subject of the operation.

Explanation

This error is not expected.

System action

Processing ends.

User response

Collect all IBM Storage Protect Snapshot logs and traces (from production and backup system) and send them to IBM Tivoli support.

FMM1080E: The database to be cloned has to have specified, because multiple databases have been found within this instance.

Explanation

If multiple database instances found on one system, the one to be cloned has to have specified.

System action

Processing ends.

User response

Specify the database to be cloned by specifying the command option '-d' followed by the database name.

FMM1081E: Unable to detect the database environment.

Explanation

The operation requires special environment settings, e.g. the database instance owner environment.

System action

Processing ends.

User response

Please run the command as database instance owner.

FMM1082E: Checking the clone system status of the database '*database name*' failed.

Explanation

Most of the cloning functions require some state and integrity checks on the production system as well as on the backup/clone system prior the requested operation starts. The requested operation continues if the integrated check routine succeeded.

System action

Processing ends.

User response

Check the application logs for further details.

FMM1083E: Flashcopy of the database failed with rc *return code*.

Explanation

The FlashCopy backup, part of the cloning workflow, failed.

System action

Processing ends.

User response

Check the application logs for further details.

FMM1084E: Database profile '*profile name*' not found.

Explanation

The named database profile does not exist or is not accessible by the current user.

System action

Processing ends.

User response

The database profile name can be specified in the profile for IBM Storage Protect Snapshot with the parameter TARGET_DATABASE_PARAMETER_FILE. Verify that the parameter is specified correctly and that the current user has read permissions. The default for the value of this parameter (if not specified in the profile for IBM Storage Protect Snapshot) is \$ORACLE_HOME/dbs/init\$ORACLE_SID.ora.

FMM1085E: No database control file found.

Explanation

During the creation of a database clone no database control file was found on the flashcopied volumes.

System action

Processing ends.

User response

Ensure that at least one control file copy resides on the same volumes as the data file or the online redo log files.

FMM1086E: Failed to start the database in nomount mode. This is the output of the failed command:

Explanation

The process was unable to start the database instance without mounting the database files.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1087E: Failed to rename the database. This is the output of the failed command:*'command output'*

Explanation

During the rename of the database from the production instance name to the clone instance name an error has occurred.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1088E: For cloning functions the name of the clone database must be specified.

Explanation

For all cloning functions the name of the clone database must be specified.

System action

Processing ends.

User response

Specify the option '-C <clone database name>'.

FMM1089E: For cloning functions the name of the clone instance owner must be specified.

Explanation

For all cloning functions the name of the clone instance owner must be specified.

System action

Processing ends.

User response

Specify the option '-u <clone instance owner>'.

FMM1090E: For the pre-processing function the pre-processing configuration file must be specified.

Explanation

For the pre-processing function the name of the pre-processing configuration file is required.

System action

Processing ends.

User response

Specify the option '-X <configuration file>'.

FMM1091E: For the post-processing function the post-processing configuration file must be specified.

Explanation

For the post-processing function the name of the post-processing configuration file is required.

System action

Processing ends.

User response

Specify the option '-Y <configuration file>'.

FMM1092E: Script terminated with errors. Return code is: *return code*

Explanation

The execution of a script terminated with an error.

System action

Processing ends.

User response

Check the application logs for further details.

FMM1093E: Script '*script name*' could not assigned to either shell scripts or SQL scripts.

Explanation

For FlashCopy cloning pre-processing and post-processing tasks, either shell scripts or SQL scripts can be used. These scripts will be entered either in the pre-processing configuration file or in the post-processing configuration file. The identifier whether it is a shell script or a SQL script is a dedicated suffix string of the script itself. Is the suffix string of type 'sh' then it is handled internally as a shell script, whereas if the suffix string is of type 'sql' it is handled internally as a SQL script. Other suffix strings are not eligible. Such scripts will not be handled or executed.

System action

Processing ends.

User response

Check the script entries in either the pre-processing or post-processing configuration file and adjust the contained script names accordingly.

FMM1094E: Script file '*script name*' not found.

Explanation

A script file to be executed as part of either pre-processing or post-processing could not be found.

System action

Processing ends.

User response

Check the script entries in either the pre-processing or post-processing configuration file and adjust the contained script names accordingly.

FMM1095E: The physical location of the pre-processing or post-processing configuration file and the script '*script name*' is different.

Explanation

The physical location of the pre-processing or post-processing configuration file and their containing scripts to be executed has to have identically..

System action

Processing ends.

User response

Ensure the pre-processing or post-processing configuration file and their containing scripts are stored under the same physical location.

FMM1096E: The script '*script name*' is a symbolic link.

Explanation

The named script entry in either the pre-processing or post-processing configuration file is a symbolic link, which is not allowed.

System action

Processing ends.

User response

Ensure that any script entry in either the pre-processing or post-processing configuration file is not a symbolic link.

FMM1097E: The user '*user name*' is not owner of the script '*script name*'.

Explanation

If the named pre-processing or post-processing script is owned by the root-user, anyone can execute that script. Further, if the named pre-processing or post-processing script is not owned by the root-user, it can only be executed by the user who owns that script.

System action

Processing ends.

User response

Check the ownership of the named script and if necessary adjust them accordingly.

FMM1098E: The user '*user name*' configured for script '*script name*' is actually not applied on the system.

Explanation

The named user, who is configured to execute the named script does not exist on the system.

System action

Processing ends.

User response

Check the applied user on the system and either update the pre-processing or post-processing configuration for a different existent user or add the configured user credentials to the system.

FMM1099E: The pre-processing or post-processing configuration file '*file name*' is not found.

Explanation

The named pre-processing or post-processing configuration file is containing the scripts to be executed could not be found on the backup/clone system, where the pre-processing or post-processing will be executed.

System action

Processing ends.

User response

Check the name of the specified pre-processing or post-processing configuration file and check whether it exists on the backup/clone system.

FMM1122E: The pre-processing or post-processing configuration file '*file name*' does not contain any data record.

Explanation

The named pre-processing or post-processing configuration file is empty which means it does not contain any entry to be processed.

System action

Processing ends.

User response

Either specify the correct pre-processing or post-processing configuration file or add one or multiple valid data records (scripts) to it.

FMM1123E: Failed to open the database: *output*

Explanation

After creating a database clone IBM Storage Protect Snapshot was not able to open the database.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1154E: The only valid profile values for the keyword '*keyword*' are '*val1*' and '*val2*'.

Explanation

Invalid values were given in the profile for the specified keyword.

System action

Processing ends.

User response

Change the profile so that the recommended values for the specified keyword are valid.

FMM1158T: Service *service* not completed

Explanation

System action

User response

FMM1161E: Failed to recover the database. This is the output of the failed command:

Explanation

The recovery of the database has failed.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1162E: Failed to determine the online redo logs. Output of the failed command:*output*

Explanation

IBM Storage Protect Snapshot failed to detect the names of the online redolog files of the database.

System action

Processing ends.

User response

Examine the output of the failed command to get further details about the root cause of this failure.

FMM1163W: Script terminated with warnings.

Explanation

The execution of a script terminated with one or multiple warnings. The overall operation might be finished successfully. Nevertheless, to avoid subsequent more critical issues it is highly recommended to check and resolve the root cause of the warning to guarantee the operational consistency of the system in the future.

System action

Processing continues.

User response

Check the application logs for further details.

FMM1164I: Renaming file system <old file system name> to <new file system name>

Explanation

The named file system is going to be renamed.

System action

Processing continues.

User response

None.

FMM1165I: Recovering the database *database name*.

Explanation

The named database is going to be recovered.

System action

Processing continues.

User response

None.

FMM1166I: Switching LOGRETAIN and USEREXIT off for database *database name*.

Explanation

The log archiving for the named database is switched off.

System action

Processing continues.

User response

None.

FMM1167I: Creating relocate configuration file for database *database name*.

Explanation

The relocate configuration file required as input for the relocate database command is going to be created for the named database.

System action

Processing continues.

User response

None.

FMM1168I: Creating the storage path directories for database *database name*.

Explanation

The storage paths for the named database are going to be created.

System action

Processing continues.

User response

None.

FMM1169I: Relocating database partitions *partition list* of database *database name*.

Explanation

The named database partitions of the specified database are going to be relocated.

System action

Processing continues.

User response

None.

FMM1170I: Cloning database *database name*.

Explanation

The named database is going to be cloned.

System action

Processing continues.

User response

None.

FMM1171I: No rename required.

Explanation

The original database name and the cloned database name is equal. Therefore, no re-naming of the cloned database name is required.

System action

Processing continues.

User response

None.

FMM1172I: Preparing recovery of database *database name*.

Explanation

The named cloned database is going to be prepared for the recovery.

System action

Processing continues.

User response

None.

FMM1173I: Renaming database *old database name* to *new database name*.

Explanation

The cloned database is going to be renamed.

System action

Processing continues.

User response

None.

FMM1174I: Checking the clone system status of the database *database name*.

Explanation

The system status of the named database is going to be checked, e.g. whether the database is running.

System action

Processing continues.

User response

None.

FMM1175I: Successfully checked the clone system status of the database *database name*.

Explanation

The system status of the named database was checked successfully. Operation can continue.

System action

Processing continues.

User response

None.

FMM1176I: Restore control file *file name*.

Explanation

The named control file is going to be restored.

System action

Processing continues.

User response

None.

FMM1177I: Performing media recovery.

Explanation

A media recovery is going to be started.

System action

Processing continues.

User response

None.

FMM1178I: Opening the clone instance *instance name*.

Explanation

The clone instance is going to be opened.

System action

Processing continues.

User response

None.

FMM1179I: Function '*function name*' does not consider the post-processing configuration file.

Explanation

The post-processing configuration file is not considered, e.g. if a pre-processing operation was started.

System action

Processing continues.

User response

None.

FMM1180I: Function '*function name*' does not consider the pre-processing configuration file.

Explanation

The pre-processing configuration file is not considered, e.g. if a post-processing operation was started.

System action

Processing continues.

User response

None.

FMM1181I: Executing *script type* script '*script name*'.

Explanation

The named script is going to be executed. The type of the script is of either 'shell' or 'SQL'.

System action

Processing continues.

User response

None.

FMM1182I: Script terminated successfully.

Explanation

The script has terminated successfully.

System action

Processing continues.

User response

None.

FMM1183E: The parameter '*keyword*' must have a length of '*length*' characters."

Explanation

An invalid length was specified in the profile for the value of the specified keyword.

System action

Processing ends.

User response

Change the specified profile parameter to an allowed length.

FMM1200E: Profile parameter '*keyword*' is set to YES but freeze/thaw is not supported by the underlying file system.

Explanation

The freeze and thaw operation is not supported by the used file system but the profile options specify that it be used.

System action

Processing ends.

User response

Change your profile so that it does not use freeze and thaw.

FMM1201E: There are no IBM Storage Protect-Servers available.

Explanation

Data Protection for SAP cannot locate a IBM Storage Protect server. This may be due to a configuration problem or to a problem while trying to connect to the IBM Storage Protect server. Most probably, a preceding error message points to the cause of the problem.

System action

User response

Look for and respond to preceding error messages. You may also want to check the Data Protection for SAP profile and the IBM IBM Storage Protect client options and client system options files.

FMM1202E: You must specify either MAX_SESSIONS, or all three specific session options (MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS).

Explanation

Information on the number of IBM Storage Protect client sessions to be established by Data Protection for SAP is missing from the profile.

System action

User response

In the Data Protection for SAP profile, either specify a value for keyword MAX_SESSIONS, or specify values for the three specific session parameters (MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS). Any of the specific options can be specified in combination with MAX_SESSIONS. Then, it overrides the value of MAX_SESSIONS for the specific function.

FMM1203E: Not enough sessions available (*sessions* required and *max_sessions* available).

Explanation

The sum of available sessions specified in the various server statements (parameter SESSIONS) does not cover the required number of sessions (parameter MAX_SESSIONS).

System action

User response

Change the values of the corresponding parameters in the Data Protection for SAP profile, so that the condition mentioned in the explanation is fulfilled.

FMM1205E: If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.

Explanation

Data Protection for SAP requires that the number of different Archive Management Classes (parameter BRARCHIVEMGTCLASS) on the IBM Storage Protect servers is equal to or greater than the number of redo log or log file copies (parameter REDOLOG_COPIES).

System action

User response

Define at least as many different Archive Management Classes as log file copies requested.

FMM1206W: If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.

Explanation

The message appears during a BRBACKUP run. A BRARCHIVE run afterwards would fail.

System action

User response

Define at least as many different Archive Management Classes as log file copies requested.

FMM1207E: Directory backup not supported.

Explanation

This option is not yet available.

System action

User response

Wait for a future release of Data Protection for SAP, which supports this option.

FMM1208W: Retrying object: '*file name*'. Retry count: [*retry_num*].

Explanation

An error occurred while processing object *file name*. Data Protection for SAP is repeating the action according to the number of retries specified in the profile. *retry_num* is the current retry count.

System action

User response

If the problem persists check for and respond to preceding error messages.

FMM1209E: Object not found or not accessible: '*objectname*'.

Explanation

The object cannot be located.

System action

User response

The backup integrity is affected. Contact SAP or IBM Support.

FMM1210E: Input file not found or not accessible: '*file name*'.

Explanation

Data Protection for SAP cannot locate the temporary file named. This file contains the list of Oracle objects to be backed up or restored. It is passed to Data Protection for SAP by one of the BR*Tools utilities.

System action

User response

Ensure that you have the correct version of BR*Tools installed. For details, check with the release notes (RELNOTE).

FMM1211E: There is something wrong with your CONFIG_FILE '*file name*'.

Explanation

There is a problem with your Data Protection for SAP configuration file setup.

System action

User response

Check the file permission and the file name specified in the Data Protection for SAP profile keyword CONFIG_FILE.

FMM1212W: The file '*file name*' is not found in the manual sorting file.

Explanation

The file you want to back up was not found in the manual sorting file.

System action

User response

Check and correct the manual sorting file so that it contains all the files you are backing up.

FMM1213E: The value '*wrongvalue*' of the keyword '*keyword*' is not allowed if '*dependentkeyword*' is set to '*dependendvalue*'. "

Explanation

The profile keyword and value depend on another profile keyword and value. The dependency is broken and needs to be fixed.

System action

Processing ends.

User response

Change the profile value of the specified keyword.

FMM1214E: Error for session to server *server name*: *error text*

Explanation

An error occurred from one of the IBM Storage Protect Servers.

System action

Processing for the IBM Storage Protect Server specified stops. Processing on other servers continues.

User response

Check the *error text* and IBM Storage Protect Server name stanza in the profile file for the *server name* specified in the error.

FMM1215I: Average transmission rate was *gb per hour* GB/h (*mb per second* MB/sec).

Explanation

The average transmission rate is displayed.

System action

User response

None.

FMM1216E: There are no backup management classes available.

Explanation

The BRBACKUPMGTCCLASSES you have specified in your init<SID>.utl file are not correct.

System action

User response

Check the management classes on the IBM Storage Protect server and specify correct ones.

FMM1217E: There are no archive management classes available.

Explanation

The BRARCHIVEMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action

User response

Check the management classes on the IBM Storage Protect server and specify correct ones.

FMM1218E: Environment variable TEMP not set

Explanation

The required environment setup is incomplete.

System action

User response

Set the environment variable TEMP and try again.

FMM1219E: The paths of the disks found in the ASM instance indicate that the Oracle ASMLib is not used. This setup is currently not supported.

Explanation

The ASM instance has not been set up with ASMLib. This environment is currently not supported.

System action

Processing ends.

User response

Set up your ASM instance with disks managed by ASMLib.

FMM1220E: The execution of the system command '*syscommand*' ended with a return code other than 0. The output of the command was: '*commandoutput*'.

Explanation

A system command returned a non-zero return code.

System action

Processing ends.

User response

Contact IBM support.

FMM1221E: The parameter '*keyword*' must have a value other than '*value*' to be able to execute a mount operation.

Explanation

The mount operation cannot be executed with the current settings in the profile. Please modify your profile.

System action

Processing ends.

User response

Modify your profile according to the message.

FMM1222E: Version mismatch error. Please check setup (*version_1:version_2*).

Explanation

Different components with inconsistent versions are used.

System action

User response

Check your setup or contact IBM Support.

FMM1223W: A Problem occurred during send of performance data to the Administration Assistant.

Explanation

There was a problem sending the performance data to the Administration Assistant over the network.

System action

User response

Check your setup or contact IBM Support.

FMM1224W: Unable to initialize connection to Administration Assistant.

Explanation

No operational data could be sent to the Administration Assistant during database backup or restore.

System action

User response

Check the logs for further information and try again.

FMM1227I: Average compression factor was *number*.

Explanation

The data transferred had been compressed by the factor *number*.

System action

User response

None.

FMM1228E: This backup does not contain online redo logs.

Explanation

The '-L' command-line option was specified but IBM Storage Protect Snapshot did not find Oracle online redo log files in the restored backup.

System action

Processing ends.

User response

Either specify a backup that contains redo logs or remove the command-line option '-L'. You can select a specific backup ID by using the command-line option '-B'.

FMM1229E: Value for parameter BUFFSIZE (actual *cur_number*, maximum *max_number*) is too large for BUFFCOPY mode PREVENT.

Explanation

To utilize the BUFFCOPY mode PREVENT the value for the parameter BUFFSIZE must not be larger than *max_number*.

System action

User response

In the Data Protection for SAP profile, specify a BUFFSIZE less or equal to *max_number* if you need to prevent copying buffers when passing data between IBM Storage Protect components. If you need large buffers you can set option BUFFCOPY to SIMPLE or AUTO. As a consequence, buffers are copied when data is passed between IBM Storage Protect components.

FMM1230E: The following file was not processed: *path*.

Explanation

The operation was terminated due to a previous error. As a consequence, the file named could not be processed. The cause of the error should be found in an earlier message.

System action

User response

Check for and respond to preceding error messages.

FMM1231E: Maximum number of retries for file *filename* exceeded.

Explanation

The number of retries configured in the profile keyword 'FILE_RETRIES' for the named file were reached.

System action

User response

Check the logs for further information about the root cause of the retries. Resolve these issues and perform the operation again.

FMM1232I: Executing operation '*operation*' on host '*host name*'.

Explanation

The specified operation on the named host was started.

System action

Processing continues.

User response

None.

FMM1233I: Operation '*operation*' completed.

Explanation

The specified operation completed.

System action

Processing continues.

User response

None.

FMM1234E: The directory '*directory*' containing the XPYV components of the installation is missing.

Explanation

A required component could not be found. The installation seems to be corrupted.

System action

Processing ends.

User response

Reinstall. Your installation seems to be damaged.

FMM1235E: Logical volume '*logicalvolume*' not available on system.

Explanation

A required logical volume was not found on the system.

System action

Processing ends.

User response

Contact IBM support.

FMM1236E: The section DB2STANDBY is missing from the profile.

Explanation

To perform a DB2 standby backup or restore functions the section DB2STANDBY must be added to the IBM Storage Protect Snapshot profile.

System action

Processing ends.

User response

Add the section DB2STANDBY to the IBM Storage Protect Snapshot profile.

FMM1237E: Unable to perform mount request. The requested mount point '*mountpoint*' is already in use.

Explanation

The attempt to mount a volume failed since the required mount point is already in use.

System action

Processing ends.

User response

Unmount any filesystem that is currently mounted at this mountpoint. Then retry.

FMM1239W: Logical volume '*logicalvolume*' of volume group '*volume group*' contains unmounted filesystem.

Explanation

This warning lists all filesystems of the volume groups contained in the backup that are currently not mounted. In case of a restore these filesystems will be overwritten and all its data is reverted to the point in time when the backup was taken.

System action

Processing continues.

User response

None.

FMM1240E: Unable to mount the following filesystems: *mountpoints*

Explanation

The listed filesystem could not be mounted.

System action

Processing ends.

User response

Check why the listed filesystems could not be mounted, then issue the command again.

FMM1241E: Unable to unmount the following filesystems: *mountpoints*

Explanation

The listed filesystem could not be unmounted.

System action

Processing ends.

User response

Check why the listed filesystems could not be unmounted, then issue the command again.

FMM1242E: Error while parsing the profile: It is not allowed to have an ORACLE section without a CLIENT section.

Explanation

It is not allowed to have an ORACLE section without a CLIENT section.

System action

Processing ends.

User response

Just specify the missing profile keyword.

FMM1243E: Only a single device class name is allowed for the profile parameter *parameter* in combination with the *keyword* keyword.

Explanation

The profile parameter 'DEVICE_CLASS device_class_name USE_FOR_CLONING dbname' in the CLONING section can only be assigned to one device class name. This is different to the usage of the DEVICE_CLASS parameter in the CLIENT section where a list of device class names can be specified. For Cloning this is not allowed.

System action

Processing ends.

User response

Only use a single device class name with the DEVICE_CLASS parameter in the CLONING section.

FMM1244E: The DB2 alias '*alias*' could not be found in the database directory. Please check the value of the profile parameter *parameter*.

Explanation

The DB2 alias specified with the profile parameter DB2_ALIAS in the DB2STANDBY section could not be found in the DB2 database directory on the DB2 HADR standby system.

System action

Processing ends.

User response

Please verify that the DB2 alias specified with the profile parameter DB2_ALIAS in the DB2STANDBY section can be found in the DB2 database directory DB2 HADR standby system. Use the 'db2 list db directory' command to list the cataloged database aliases.

FMM1245E: There is no mount agent suitable for cloning with device class '*device class*' started. Function cloning requires a dedicated mount agent that was limited to a specific device class using the option '-s <device class>'.

Explanation

Function cloning requires a dedicated mount agent that was limited to a specific device class using the option '-s <device class>'.

System action

Processing ends.

User response

Make sure that mount agent was started with option '-s <device class>'.

FMM1246E: The database name has to have specified, because multiple databases have been found within this instance.

Explanation

If multiple databases found in one database instance, the one for that a snapshot backup should be restored or deleted has to have specified.

System action

Processing ends.

User response

Specify the database name of the database for that a snapshot backup should be restored or deleted by specifying the command option '-d' followed by the database name.

FMM1247E: A FlashCopy Backup is not allowed because FlashCopy Clone(s) 'clones' is/are active with FlashCopy Type NOCOPY.

Explanation

You have created a FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class. With this settings it is no longer allowed to perform FlashCopy Backups on the same SVC cluster.

System action

Processing ends.

User response

If you want to start a new FlashCopy Backup on the same SVC cluster it is required to delete all FlashCopy Clone(s) that were created with FlashCopy Type NOCOPY first.

FMM1248E: A FlashCopy Clone with FlashCopy Type NOCOPY is not allowed because FlashCopy Backup(s) 'backups' is/are active.

Explanation

You want to create a FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class. With this settings it is not allowed to have FlashCopy Backups on the same SVC cluster.

System action

Processing ends.

User response

If you want to start a new FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class it is required to delete all FlashCopy Backup(s) on the same SVC cluster first.

FMM1249E: The LUN's of the datastores requested for backup are spread across multiple storage subsystems. IBM Storage Protect Snapshot can support LUNs from only one storage subsystem.

Explanation

The virtual machines selected for backup are contained in datastores that are spread across multiple storage subsystems.

System action

Processing ends.

User response

Ensure the datastores and virtual machines which have been selected for backup are all contained on one storage subsystem.

FMM1250I: The *'user name to log-in to the file server'* ID is connecting to the following file server: *'remote hostname of the file server'*.

Explanation

For ID used to log on to the file server, the name is provided. In addition, the remote hostname of the file is provided. These values are stored in the following parameters for the configuration profile DEVICE_CLASS section: COPYSERVICES_PRIMARY_SERVERNAME and COPYSERVICES_USERNAME

System action

Processing continues.

User response

None.

FMM1251I: A snapshot is taken for the following volume: *'name of the volume'*.

Explanation

The volume identified in this message is going to be backed up with a snapshot. If multiple volumes are going to be backed up with snapshots, each volume is identified in separate messages.

System action

Processing continues.

User response

None.

FMM1252I: Deleting snapshot *'name of the snapshot to delete'* for volume *'name of the volume'*

Explanation

The snapshot that has been identified is going to be deleted because the corresponding backup has been deleted.

System action

Processing continues.

User response

None.

FMM1253E: The '*target instance uuid*' target instance UUID that is specified in the input file cannot be found or the UUID is assigned to a template. Edit the input file and specify a valid target instance UUID.

Explanation

The target instance UUID specified in the input file was not found.

System action

Processing ends.

User response

Specify a valid target instance UUID.

FMM1254I: The '*snap name*' snapshot of the fileset '*fileset name*' in the '*file system device name*' file system was created.

Explanation

A IBM Storage Scale snapshot with the specified parameters was successfully created.

System action

Processing continues.

User response

None.

FMM1255E: The process cannot continue. Reverting changes.

Explanation

An error occurred. The changes that can be undone will be reversed now.

System action

Processing ends.

User response

None.

FMM1256I: The '*snap name*' snapshot of the fileset '*fileset name*' in the '*file system device name*' file system was restored.

Explanation

The IBM Storage Scale snapshot with the specified parameters was successfully restored.

System action

Processing continues.

User response

None.

FMM1257E: The file server does not recognize the volume with the following serial number: '*identifier*'.

Explanation

When the software attempted to back up the files, the file server specified with the COPYSERVICES_SERVER_NAME parameter did not find the volume with the serial number identified in the error message. The file server that hosts the volume is specified with the COPYSERVICES_SERVER_NAME parameter in the DEVICE section. A possible explanation is that the volume is stored locally and not on the NetApp or N-Series file server specified with the COPYSERVICES_SERVER_NAME parameter.

System action

Processing ends.

User response

Verify that the file server that is specified in the configuration is the file server that hosts the volumes that are used for the current operation. To check the file server specified in the configuration, start the setup script or open the profile configuration file. In the DEVICE section, the COPYSERVICES_SERVER_NAME parameter is used to specify the file server.

FMM1258I: The following volume is offline: *volume name*

Explanation

Because the volume is already offline, the volume cannot be taken offline.

System action

Processing continues.

User response

There are no additional tasks or steps to complete.

FMM1259I: The following clone volume already exists: *volume name*

Explanation

Because the clone volume already exists, the clone volume cannot be created.

System action

Processing continues.

User response

There are no additional tasks or steps to complete.

FMM1260E: The IBM Storage Scale file system '*device name*' is currently mounted on the system at: '*current mount point*'. The IBM Storage Scale file system must be mounted at: '*default mount point*', the default mount point.

Explanation

Only the default mount points are supported for IBM Storage Scale snapshot and restore functions.

System action

The operation stops and cannot continue until this error is resolved.

User response

To resolve this issue, mount the IBM Storage Scale file system without specifying the mount point argument. The IBM Storage Scale file system is mounted at the default mount point. After you resolve this problem, run the backup again.

FMM1261E: Key value set for undefined key column *key_value*. Command was: *command*

Explanation

The call to request output data of the command was set up incorrectly. If a key value is specified a key column must be defined, too.

System action

The operation stops.

User response

None.

FMM1262W: The snapshot *snapshot_name* of the file system *filesystem_name* cannot be deleted because the file system is not known to the local cluster.

Explanation

IBM Storage Protect Snapshot cannot delete the snapshot of the file system nor determine whether the snapshot is still available because the file system is not known to the local cluster.

System action

The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response

To remove the record from the repository without mounting the file system in the local cluster use the delete-force option when issuing the delete request.

FMM1263W: The snapshot *snapshot_name* of the file system *filesystem_name* cannot be deleted because the file system is not mounted.

Explanation

IBM Storage Protect Snapshot cannot remove the snapshot from the file system nor determine whether the snapshot is still available in the file system because the file system is not currently mounted in the local cluster.

System action

The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response

Issue the mount command to mount the file system. The device agent removes the snapshot from both the file system and the repository.

To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1264W: The snapshot *snapshot_name* of the file system *filesystem_name* cannot be deleted. Error information: *error_information*

Explanation

A request to delete the snapshot of the file system cannot be completed. An error occurred when processing the delete command.

System action

The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response

Resolve any problems indicated by the error. After you resolve the issue, the device agent removes the snapshot from both the file system and the repository.

FMM1265W: The *filesystem_name* file system is unknown to the local cluster. Therefore, IBM Storage Protect Snapshot cannot run the reconciliation process for the following snapshots: *list_of_snapshots*

Explanation

IBM Storage Protect Snapshot cannot find snapshots of the file system because this file system is not known in the local cluster.

System action

The meta-information for the snapshots listed are stored in the repository.

User response

To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1266W: The *filesystem_name* file system is not mounted. Therefore, IBM Storage Protect Snapshot cannot run the reconciliation process for the following snapshots: *list_of_snapshots*

Explanation

IBM Storage Protect Snapshot cannot find snapshots of the file system because the file system is not currently mounted in the local cluster.

System action

The meta-information for the snapshots listed are stored in the repository.

User response

Issue the mount command to mount the file system so that the reconciliation process can be performed.

To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1267W: IBM Storage Protect Snapshot cannot determine whether the snapshot *snapshot_name* snapshot of the file system *filesystem_name* is still available. Error information: *error_information*

Explanation

During the reconciliation process, an error occurred when trying to determine whether the snapshot is still available in the file system.

System action

The meta-information for this snapshot is kept in the repository.

User response

Resolve any problems indicated by the error. After you resolve this issue, the reconciliation will be run.

FMM1268E: A relative file name '*file name*' was found in the infile. Relative file names are not supported.

Explanation

Replace all relative file names with absolute file names in the infile.

System action

The software process ends.

User response

Verify that only absolute file names are specified in the infile.

FMM1269E: For IBM Storage Scale snapshots, the value *parameter value* is not valid for the *parameter name* parameter.

Explanation

If IBM Storage Protect Snapshot is configured for (IBM Storage Scale), the current value specified for the parameter is not allowed.

System action

If this condition is detected during a backup operation, the operation stops.

If this condition is detected while configuring IBM Storage Protect Snapshot, you are prompted for a different value of the parameter.

User response

Specify a different value for the parameter.

If the parameter is not specified in your profile, and the default value is used, explicitly set the parameter to a valid value.

FMM1270I: The following volume is mapped to *initiator group: volume name*.

Explanation

Because the volume is already mapped, a new mapping is not created.

System action

Processing continues.

User response

There are no additional tasks or steps to complete.

FMM1271I: The following volume is online: *volume name*

Explanation

Because the volume is already online, no actions taken and processing continues.

System action

Processing continues.

User response

There are no additional tasks or steps to complete.

FMM1272E: The following VMs listed in the instant restore input file are not part of the backup: *vms_in_infile*

Explanation

The instant universal unique identifier (UUIDs) listed in the instant restore input file are not part of the backup.

System action

Processing stops.

User response

Use only instant UUIDs in the input file that are part of the backup.

FMM1273E: The source volume with serial number *cmd* is not attached to any known ESX hosts.

Explanation

The specified physical volume was found during the FlashCopy backup as part of the data store volume on the production system. Now, during the instant restore, the volume is no longer found on any of the ESX hosts.

System action

Processing ends.

User response

Attach the missing volume to the correct ESX host on the storage system.

FMM1274E: The file system *filesystem_name* cannot be mounted. If the file system is to be mounted remotely, ensure that the mounting cluster has the correct permissions to mount the file system. Additional information: *command_and_command_output*

Explanation

The file system specified cannot be mounted. Both the system command that is used and the command output are listed.

System action

Processing ends.

User response

When you mount a file system remotely, check that the cluster that is to mount the file system is authenticated with the owning cluster (command: `mmauth add`). In addition, ensure that the correct permissions to mount the file system are granted (command: `mmauth grant`). In DB2 pureScale environments, read/write permission is required. Examine the command output to determine the cause of the problem, resolve the problem, and try the operation again.

FMM1275E: The '*vm_name*' virtual machine is located on the following data stores : *list_of_datastores*. In the input file not all of these data stores were specified. You must specify all listed data stores in the input file or exclude this virtual machine so that the instant restore can continue.

Explanation

The virtual machine is located on more than one data store. Not all of the data stores are listed in the instant restore input file.

System action

Processing stops.

User response

Add the missing data stores to the instant restore input file or exclude the VM from the instant restore.

FMM1276E: Cluster *cluster_name* cannot mount the file system *filesystem_name* in read/write mode. If the file system is to be mounted remotely, ensure that the mounting cluster has the correct permissions to mount the file system in the mode requested.

Explanation

The file system specified cannot be mounted in read/write mode.

System action

Processing ends.

User response

When you mount a file system remotely, check that the cluster that is to mount the file system has been granted sufficient permissions to mount the file system in read/write mode (command: `mmauth grant`). Resolve the problem and try the operation again.

FMM1278W: The power on VM task for VM '*vmname*' failed.

Explanation

The VM was selected to power on after instant restore but a the power on VM task failed during execution.

System action

Processing stops.

User response

power on the Virtual Machine manually

FMM1279E: The '*volume name*' LUN cannot be mapped by using the initiator group '*initiator group*': *error message*

Explanation

The mapping cannot be created because the initiator group does not exist.

System action

Processing ends.

User response

Ensure that the initiator group exists on the storage system and try the operation again.

FMM1280E: The mapping for the '*volume name*' LUN cannot be removed by using the initiator group '*initiator group*': *error message*

Explanation

The initiator group that is used to remove the mapping must be available and fully operational.

System action

Processing ends.

User response

Ensure that the initiator group exists on the storage system and is fully operational.

FMM1283E: The file '*file name*' is listed in the backup infile but is not on a IBM Storage Scale file system. The backup operation cannot continue.

Explanation

If IBM Storage Protect Snapshot is configured for IBM Storage Scale, the files that are listed in the backup infile must be on a IBM Storage Scale file system.

System action

If a difference between the backup infile and the IBM Storage Scale file system is detected during a backup operation, the backup operation stops.

User response

Correct the infile list by removing any incorrect file names, and try the backup operation again.

FMM1284E: The operation instant restore cannot be started for backup with id '*backupid*' due to the FlashCopy backup is still copying data in the storage system from source to target.

Explanation

As long as a background copy process is running it is not possible to do an instant restore for this backup.

System action

Processing ends.

User response

Wait until the background copy in the storage system has finished and restart the operation.

FMM1285I: A IBM Storage Scale shadow database is missing in path *path*. IBM Storage Protect Snapshot will request rebuilding of one or more required shadow databases.

Explanation

IBM Storage Protect Snapshot is trying to run an incremental backup of a snapshot in the named directory via IBM Storage Scale command 'mmbackup'. For this operation, a shadow database is required for each participating IBM Storage Protect server, and a shadow database is not available. IBM Storage Protect Snapshot will request rebuilding of the shadow database(s) by running the mmbackup command with option '-q'.

System action

Processing continues.

User response

None.

FMM1286I: IBM Storage Scale command mmbackup for path *directory* ended with exit code *exit code*. IBM Storage Protect Snapshot is retrying the operation. Retry count *count of maximum number of retries*.

Explanation

IBM Storage Protect Snapshot is trying to run an incremental backup of a snapshot in the named directory with IBM Storage Scale command 'mmbackup'. The command returned an exit code indicating that not all files could be sent to the IBM Storage Protect server(s). IBM Storage Protect Snapshot will retry the operation.

System action

Processing continues.

User response

None.

FMM1287I: IBM Storage Protect Snapshot is requesting a full backup for path *directory* because there is no inventory data available for any specified IBM Storage Protect server.

Explanation

IBM Storage Protect Snapshot is backing up a snapshot in the named directory with IBM Storage Scale command mmbackup. There is no inventory data available, so a full backup is run.

System action

Processing continues.

User response

None.

FMM1288W: The Oracle password file '*filename*' is empty and will not be copied to the clone system.

Explanation

The Oracle password file is invalid as it has 0 bytes.

System action

Processing continues.

User response

Delete the empty Oracle password file or recreate it. Start the clone operation again.

FMM1290W: The disk with serial number '*serial*' contains partitions that are not supposed to be backed up. Check that all disk partitions are ASM partitions, and contain data for the same Oracle instance.

Explanation

Physical disks must not contain ASM partitions with data of one Oracle instance with non-ASM partitions, or ASM partitions storing data for another Oracle instance.

System action

Processing continues.

User response

Ensure that your disk configuration is correct.

FMM1291E: Due to a remote device agent is already registered on system '*backup system*' additional remote device agents have to have registered using different device classes.

Explanation

On the same system multiple remote device agents can only run on that system simultaneously if they are supporting different device classes.

System action

Processing ends.

User response

Specify a not already used device class using the '-s <device class>' option when starting the remote device agent on a system.

FMM1292E: A remote device agent is already registered on system '*backup system*' using the device class '*device class*'. Additional remote device agents have to have registered using different device classes.

Explanation

On the same system multiple remote device agents can only run on that system simultaneously if they are supporting different device classes.

System action

Processing ends.

User response

Specify a not already used device class using the '-s <device class>' option when starting the remote device agent on a system.

FMM1293E: Due to another remote device agent is already registered on system '*backup system*' using device class '*device class*' and node(s) '*list of nodes*' additional remote device agents on host '*backup system*' have to have registered using different nodes instead of '*list of nodes*'.

Explanation

Multiple remote device agents on the same system can run simultaneously only if they are supporting different device classes. Multiple remote device agents on different systems using the same device class can run simultaneously only if they are supporting different nodes.

System action

Processing ends.

User response

Specify a not already used device class, whereas all participating systems have to have considered, using the '-s <device class>' option when starting the remote device agent on a system. If the same device class should be used on different systems specify the nodes of the system using the '-N <comma separated list of nodes>' option when starting the remote device agent on a system.

FMM1294E: No remote device agent is setup on a server to handle the current operation. Make sure that the remote device agent is started correctly.

Explanation

No remote device agent (the process signature is: acsgen -D) on the participating server(s) was detected that could handle the current operation. This can also happen if the password for authentication to the ACS daemon was changed.

System action

Processing ends.

User response

Check the environment on the system(s) and make sure that the remote device agent is started correctly. If you change the password for authentication to the ACS daemon at the production host, then you have to change the password on the other hosts as well to match to the production host.

FMM1295E: The database name has to be specified, because multiple databases have been found within this instance.

Explanation

If multiple database instances found on one system, the one to be used has to be specified.

System action

Processing ends.

User response

Specify the database name by specifying the command option '-d' followed by the database name.

FMM1296E: You cannot create a backup that includes online redo logs for Oracle Real Application Clusters (RAC)..

Explanation

The '-L' command-line option was specified but IBM Storage Protect Snapshot does not support online redo logs backup in an Oracle RAC configuration.

System action

Processing ends.

User response

Remove the command-line option '-L' and re-start the backup.

FMM1299W: The content of the '*file name*' file in the repository is invalid and will be ignored.

Explanation

The specified file is invalid. The contained backup or clone cannot be used anymore and is ignored .

System action

Processing continues. The specified repository entry is ignored.

User response

Move away the specified file to permanently ignore it.

FMM1300E: Directory \${REPLACE_DIRECTORY_STRING} is not a shared directory on the specified node.

Explanation

The directory is not a shared directory on the specified node. For IBM Storage Scale environments, the IBM Storage Protect Snapshot instance installation path is supposed to be a link to a shared location.

System action

The installation of the node failed, processing stops.

User response

Verify that the directory that was used as a target directory on the production node, specified by -t, is available on the node that was specified as a backup system. The directory is supposed to be a IBM Storage Scale location available on all nodes in the cluster running IBM Storage Protect Snapshot. If the instance installation directory (ACS_DIR) already exists on the specified node, remove the directory and repeat the configuration steps.

FMM1301E: Failed to create a link to a shared directory.

Explanation

For IBM Storage Scale environments, IBM Storage Protect Snapshot is deployed to a shared location. In this case, the creation of a link to that shared location failed.

System action

The installation of the node failed, processing stops.

User response

Verify that the directory that was used as a target directory on the production node, specified by the -t parameter, is available on the node that was specified as a backup system. The directory is supposed to be a IBM Storage Scale location available on all nodes in the cluster running IBM Storage Protect Snapshot.

**FMM1493I: Back-End Capacity Report: Number of managed objects:
*number_of_objects***

Explanation

The number of back-end objects protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1494I: Logical Unit (LUN) Capacity Report: Number of managed objects:
number_of_objects

Explanation

The number of Logical Unit (LUN) objects protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1495I: Logical Unit (LUN) Capacity Report: Total protected size: *size*

Explanation

The total amount of Logical Unit (LUN) capacity protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1496I: Back-End Capacity Report: Total protected size: *size*

Explanation

The total amount of back-end capacity protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1497I: Front-End Capacity Report: Number of managed objects:
number_of_objects

Explanation

The number of front-end objects protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1498I: Front-End Capacity Report: Total protected size: *size*

Explanation

The total amount of front-end capacity protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM1501E: Only one LUN per ASM failure group is allowed with DS8000 storage. 'LUN count' LUN's have been found in failure group '*failure group name*' of diskgroup '*diskgroup name*'.

Explanation

For DS8000, only a single LUN per failure group is allowed. The specified failure group consists of more than one LUN. This environment is not supported.

System action

Processing ends.

User response

Reduce the number of LUN's in each failure group to one.

FMM1502E: Oracle ASM with SVC is not supported with the setting '*profile_value*' for the profile parameter '*profile_param*'.

Explanation

Preassigned volumes cannot be used with SVC and Oracle ASM.

System action

Processing ends.

User response

Specify the name of the backup server as defined in the storage subsystem for the specified profile parameter.

FMM1503E: The single disk restore operation to the source virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' is not possible since '*number snapshots*' VMware(R) snapshots have been found on the source virtual machine but none are allowed.

Explanation

The single disk restore operation to the specified virtual machine is not possible since VMware(R) snapshots have been found for this virtual machine. This virtual machine must not have any snapshots for the single disk restore operation.

System action

Processing ends.

User response

Remove the VMware(R) snapshots from the specified virtual machine.

FMM1504E: The single disk restore operation of the virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' is not possible since '*number snapshots*' VMware(R) snapshots have been found for this virtual machine as it is contained in the backup but none are allowed.

Explanation

The single disk restore operation of the specified virtual machine is not possible since VMware(R) snapshots have been found for this virtual machine. This virtual machine must not have any snapshots at the backup point in time to allow a single disk restore operation to the source virtual machine.

System action

Processing ends.

User response

If a single disk restore to the source virtual machine should be performed with this virtual machine a new backup needs to be created. The specified virtual machine is not allowed to have VMware snapshots during the creation of that backup.

FMM1505E: Operation aborted because a different operation by this database client is already running.

Explanation

Different concurrent operations of the same type were started for the same database. This is not supported. The current operation is aborted. This message is also issued when a cooperative operation of two or more participating partitions was started, but the profile settings used for the various partitions do not match.

System action

User response

Wait until the currently running operation has ended and try again. Make sure that multiple operations are not started concurrently for a database. If this is a cooperative operation with two or more participating partitions, check that the profile settings of the various partitions (for example, `DEVICE_TYPE`, `MAX_VERSIONS`, etc.) do not differ. If they do, fix the profile settings, cancel the current operation, and start the operation again. Also, investigate the possibility of sharing the same profile among all partitions.

FMM1506E: Error: '*description*' on host '*hostname*' while executing command '*command*'.

Explanation

The system tried to execute the command cited. During execution, an error occurred. The output received from the command shell is listed following the message.

System action

User response

Determine the cause of the problem from the command and the output listed in the message, and resolve the problem.

FMM1507E: The process needs to run with root authority.

Explanation

The current process requires root authority.

System action

User response

Start the process under an account with root authority.

FMM1508E: The service *service_name* has terminated due to a previous error. Please check all logs for additional information.

Explanation

The cited service is no longer available.

System action

User response

Check the appropriate logs for the cause of its termination.

FMM1509E: Authentication failure. The password specified is not authorized for accessing *component*. Please verify that the passwords specified in the

password files on the different production and backup/cloning systems are correct.

Explanation

To access the named component, a password is required. However, the password provided could not be verified.

System action

User response

Make sure that the password files used by the different components of the system match.

FMM1510I: New connection received from host *hostname*.

Explanation

The server received a new connection request.

System action

User response

None.

FMM1512E: An error occurred during shutdown: *Error information*

Explanation

During shutdown of the component, a problem occurred. The error information is given.

System action

User response

Resolve the problem indicated by the error information.

FMM1513I: ***> Database client connected: instance *instance*, database *database_namepartition_numbernodename***

Explanation

This message follows a message FMM1511I and indicates the connection of one of the database clients taking part in the operation. A database client is an instance of the snapshot backup library representing a single partition of the database.

System action

User response

None.

FMM1514I: ***> Device client connected.**

Explanation

This message follows a message FMM1511I and indicates the connection of one of the device clients taking part in the operation. A device client is an instance of the device agent for the storage device.

System action

User response

None.

FMM1515I: Client is logging to *file_name*

Explanation

The client's log messages are written to the indicated file.

System action

User response

None.

FMM1516I: Deleting container *container*.

Explanation

System action

User response

FMM1517I: Deleting target data container defined by *container_description*.

Explanation

The data in the container indicated is removed.

System action

User response

None.

FMM1518E: Internal error: The system is trying to use the same device agent, although the synchronization mode is not PARALLEL.

Explanation

The system has been told to use the same device agent for multiple database clients, but the database indicated serial synchronization mode. This setup is not supported.

System action

User response

Contact your IBM support personnel.

FMM1519E: A failure occurred during initialization of one or more of the nodes participating in this operation. Please check the logs for more information.

Explanation

Some problem occurred during the initialization of a new operation. The problem may be with any component required for this operation.

System action

User response

Check the acsd log file for messages FMM1515I to determine the log file names of the participating agents. Check the log files of each component for the cause of the problem.

FMM1520E: Volume *volume_name* is shared across partitions. Volume sharing is not allowed.

Explanation

At least two partitions own data residing on the volume indicated. This setup is not supported.

System action

User response

With the current disk layout of the database, the requested function cannot be used. If you want to use the function, change the disk layout of the database so that each data volume is dedicated to a partition.

FMM1521I: Retaining *number* backups

Explanation

When enforcing profile parameter MAX_VERSIONS, the indicated number of backups is kept.

System action

User response

None.

FMM1522E: The requested meta-information (subject="*description*") is not available.

Explanation

Some meta-information about each backup is stored in the repository. An error occurred when trying to retrieve part of this information.

System action

User response

Contact your IBM support personnel.

FMM1523W: Warning: The following containers were reused without being explicitly released: *description*

Explanation

The containers defined by the description are used by the current backup. They were used before by a different backup. This message is expected in SAN environments where data containers are usually kept until they are reused. In this case, this message does not indicate a problem.

System action

User response

None.

FMM1525E: The process *service_name* is in an inconsistent state. Please check for previous errors and restart the process afterwards.

Explanation

The process indicated cannot continue with inconsistent data.

System action

User response

Check the logs for messages pointing to the cause of the inconsistency. After resolving any problems, restart the process.

FMM1526E: A configuration file (profile) must be provided.

Explanation

An operation was started without providing a profile.

System action

User response

Check the user documentation on how to provide the profile to the current process. Start the process again using a valid configuration file.

FMM1529E: The device '*device_type*' is not supported by the wizard.

Explanation

The device type represents a certain type of storage device. While using the setup wizard, a device type was entered that is not supported by the current version of the wizard.

System action

User response

Refer to your user documentation for a list of the device types that are supported by default. Specify one of the supported types.

FMM1530E: Failed to launch the device agent for *device_type*. Please consult your user documentation to make sure that all requirements for the specified device are met.

Explanation

The system was unable to launch the appropriate device agent for the type indicated because some of its requirements are not met.

System action

User response

Refer to your user documentation and make sure that the system is set up correctly for the specified device type.

FMM1534E: Unexpected version *actual_version* of the repository located at *path*. Expected version: *supported_version*

Explanation

The server located the repository in the path indicated. However, the version of the repository located on disk does not match the current version of the server.

System action

User response

Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1535E: Unexpected characteristics (bitwidth=*bitwidth repository*) of the repository located at *path*. Expected bitwidth: *bitwidth expected*

Explanation

The repository located in the path indicated was saved to disk using a bit width different from the bit width the server is using to load the repository.

System action

User response

Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1536E: The repository located at *path* is not valid.

Explanation

A repository could not be found at the location indicated by *path*.

System action

User response

Ensure that the path of the repository was specified correctly. Do not edit any files in the repository *path*.

FMM1537E: The repository located at *path* was written with an incompatible protocol (*protocol_version incompatible*). Expected protocol: *protocol_version expected*

Explanation

The repository found at the location indicated was written to disk using the protocol version named. However, the server currently supports the expected protocol version.

System action

User response

Ensure that the path of the repository was specified correctly. Do not edit any files in the repository path.

FMM1538E: Unexpected repository type. The path '*path*' does not point to a repository of type "*protocol_type*".

Explanation

The repository located in the path indicated was written to disk using a protocol different from the protocol supported by the server process.

System action

User response

Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1539E: Root privileges required. Could not change user ID to root.

Explanation

The requested operation requires root privileges. However, the process could not acquire them.

System action

User response

Make sure the appropriate privileges (s-bit) are granted to the executable.

FMM1540E: /etc/inittab entries are limited to 127 characters. Please consult your user documentation for information on manually completing the installation procedure.

Explanation

The command line generated by the setup function exceeds 127 characters. This situation requires user intervention. The setup function did not update /etc/inittab.

System action

User response

Refer to your user documentation for information on what entries to add to /etc/inittab.

FMM1541E: /etc/inittab was not updated because some of the processes have apparently been added. Please re-run the setup after calling the setup script with option '-a disable' if you want to change to a standard setup.

Explanation

During the automatic setup, entries for this product were detected in /etc/inittab. This is an indication that the product was not previously uninstalled.

System action

User response

Run the setup with option '-a disable' and then start the installation process again. If the entries in /etc/inittab should be retained, refer to your user documentation for information on how to complete the installation manually.

FMM1542E: Failed to uninstall because some of the processes to be uninstalled are still listed in /etc/inittab. Please re-run the setup after stopping the component by calling the setup script with option '-a stop'.

Explanation

Before uninstalling the product, the affected processes must be stopped. This is done by running the setup script with the option '-a stop', which will remove the entries from /etc/inittab and stop the processes.

System action

User response

Refer to your user documentation for information on the uninstall process. Run the setup with the option '-a stop' and then continue uninstalling.

FMM1543E: The component is still referenced within the /etc/inittab. In order to terminate the component re-run the setup script with option '-a stop'.

Explanation

The setup utility detected that the product is still active in the system. Apparently, its entries in /etc/inittab are not yet removed.

System action

User response

Call this process again with the option '-f stop'.

FMM1544E: New entries cannot be added to /etc/inittab because it already contains too many entries starting with 'ac'. Please refer your user documentation for a manual setup of this package.

Explanation

During setup, an unusually high number of entries beginning with 'ac' were detected in /etc/inittab. /etc/inittab was not modified.

System action

User response

Determine if these entries are expected, or if they were added due to a problem. If these entries are required, refer to your user documentation for information on how to complete the installation manually.

FMM1545E: *oldprod* is currently running.

Explanation

This failure happens during (de)installation and indicates that not all IBM Storage Protect Snapshot components could be stopped.

System action

User response

Check that no backup or restore is currently running and retry the operation. If you have customized the process of starting IBM Storage Protect Snapshot, it might be necessary to manually stop it by undoing those customization steps.

FMM1546E: *IBM product name* was not started.

Explanation

This failure happens during installation and indicates that not all IBM Storage Protect Snapshot components could be started successfully.

System action

User response

Check that all IBM Storage Protect Snapshot components have the appropriate access rights and retry the operation. Contact the support function if the operation continues to fail.

FMM1547E: Failed to remove the data associated with the deleted backup *backup_id*.

Explanation

The backup named was deleted. However, its data could not be removed from the repository and from the storage device.

System action

User response

Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved, the daemon will take care of the deleted backups eventually.

FMM1548E: Failed to monitor the data associated with the deleted backup *backup_id*.

Explanation

A background daemon is supposed to monitor the states of backups in order to determine if data needs to be deleted from the storage device. However, the monitor was not able to access the appropriate data.

System action

User response

Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved the daemon will take care of the deleted backups eventually.

FMM1549E: Failed to load *component_name*

Explanation

The system was unable to load the named component of the product.

System action

User response

Contact IBM Support.

BKI1550W: Unable to perform background monitoring for backup '*backup_id*' for *time*.

Explanation

Background monitoring for the named backup id is suspended for the named period of time due to it is locked or the background monitor is not running.

System action

User response

Check if the background monitor is running.

FMM1553I: *Component_name* is logging to *path*

Explanation

The file denoted is the log file of the named component.

System action

User response

If you need to check the log of the indicated component, look for this message to identify the log file to examine.

FMM1554W: The agent '*component_name*' terminated with exit code *number*.

Explanation

The process denoted ended with the given exit code.

System action

User response

Check the agent's log for any messages pointing to a problem. Resolve any problem indicated.

FMM1555I: Profile successfully created.

Explanation

The profile wizard created a new profile.

System action

User response

The setup script recognizes components being restarted so that the new settings become active..

FMM1556E: Some data of backup *backup_id* are unavailable. It is impossible to restore the data requested.

Explanation

The system detected that some of the data originally contained in the backup is no longer available. The occurrence of this message depends on the type of storage device employed. For example, if an earlier backup data was restored from an N-Series device, some data of a later backup will be destroyed.

System action

User response

The backup is no longer complete and cannot be used for the requested operation. Try the operation with a different backup.

FMM1557I: Device client is logging to *path*

Explanation

The device agent's log messages are written to the file named.

System action

User response

None.

**FMM1558E: There are no mount agents registered for participant(s)
*participant_list***

Explanation

During a snapshot backup run, IBM Storage Protect Snapshot detected that for the listed participant(s) no IBM Storage Protect Snapshot device agent was started with the "force mount" (-F) option. Typically, a participant corresponds to a DB2 partition. The current snapshot backup run will be deleted.

System action

User response

Make sure that for each participant (DB2 partition) a IBM Storage Protect Snapshot device agent is started with the mount force option (-M) on the offload system.

FMM1559E: The data container: '*data_container*' failed to mount. Check the summary log file for further error messages.

Explanation

During a snapshot backup or cloning operation, IBM Storage Protect Snapshot could not mount the specified data container to the backup or cloning system.

System action

Processing stops.

User response

Check the IBM Storage Protect Snapshot summary log file for further error messages, and fix the errors. Restart the operation after the problem is corrected.

FMM1560E: One or more snapshots could not be mounted to the backup or cloning system. Check the summary log file for further error messages.

Explanation

During a snapshot backup or cloning operation, IBM Storage Protect Snapshot could not mount all snapshots successfully to the backup or cloning system.

System action

Processing stops.

User response

Check the IBM Storage Protect Snapshot summary log file for further error messages, and fix the errors. Restart the operation after the problem is corrected.

FMM1561E: Profile name *profile_name* does not point to a file.

Explanation

The profile specification should be a fully qualified filename. Otherwise, it is assumed to be relative to the current directory of the command that issues the message, which may not be the desired directory.

System action

User response

Correct the name.

FMM1562E: Deleting the backup as requested is impossible while any part of it is mounted.

Explanation

A request was sent to delete a backup. However, some parts of the backup were still mounted. Presumably, a restore operation or an off-loaded tape backup is pending or in progress. Please note that an offloaded tape backup requires the snapshot backups of all partitions of the database.

System action

User response

Wait until the operation in progress has ended, then issue the delete request again.

FMM1563I: The snapshot backup defined by timestamp *timestamp* for instance *instance*, database *database_name*, and partition *partition_number* cannot be restored.

Explanation

This message appears when backups are queried for a restore. It indicates that a snapshot backup was encountered that is not in a restorable state. For example, snapshot backups created with a FLASHCOPY_TYPE of NOCOPY are not restorable. When queried for restore, unrestorable snapshot backups are not returned to the caller and therefore cannot be selected for restore.

System action

User response

None.

FMM1564W: Backup *id* is marked for deletion. You need to unmount before it can be physically deleted.

Explanation

A snapshot backup with the named id can only be deleted if all of its assigned file systems are unmounted successfully.

System action

User response

Issue the offload agent with the command '-f unmount'. After all resources are freed, the deletion of the snapshot backup will be started.

FMM1567I: Reconciliation for device class '*device class*' completed successfully.

Explanation

The reconciliation process for the specified device class was successful. The backup repository was synchronized with the existing backups on the storage device specified by the DEVICE_CLASS parameter.

System action

None.

User response

None.

FMM1568I: Removing backup *backup_id* from the repository because it has not been found on the storage device during reconciliation.

Explanation

During reconciliation the backup with id *backup_id* has not been found on the storage device. Therefore it is deleted from the repository to keep the repository and the valid backups on the storage in sync.

System action

User response

None.

FMM1569I: Updating backup *backup_id* in the repository because some data was not found on the storage device during reconciliation.

Explanation

Backup data with the identifier *backup_id* is no longer available on the storage device. Depending on storage device settings, the space from older backups might be reused to create new backups. This information is updated in the IBM Storage Protect Snapshot repository.

System action

Processing continues.

User response

None.

FMM1570W: The following container could not be deleted from the storage box during reconciliation: *volume_name*.

Explanation

The volume *volume_name* could not be deleted from the storage box. It is not needed anymore because there is no corresponding backup in the repository.

System action

User response

Ignore the warning or try to delete the volume from the storage device manually.

FMM1571W: The specified value for '*recon_interval*' is 0. Be aware that every time a background monitor is started a reconcile will be scheduled so that other background operations will never be scheduled. This should be used for testing purposes only.

Explanation

If RECON_INTERVAL is 0 every time a background monitor is started it will start reconciliation. Other background operations as deletion or monitoring will never be scheduled.

System action

User response

Change RECON_INTERVAL to a value greater than 0 if you want to avoid this behavior.

FMM1572I: Starting reconciliation for device class '*device_class_name*'

Explanation

The reconciliation will be started for the device class *device_class_name* of the profile.

System action

User response

None.

FMM1573I: The container '*volume_name*' has been successfully deleted from the storage box. It didn't belong to any backup in the repository.

Explanation

The volume *volume_name* has been successfully deleted from the storage box during reconciliation because it didn't belong to any backup in the repository.

System action

User response

None.

FMM1574I: Backup for *hardware isolation key* is created using *DEVICE_CLASS device class*.

Explanation

The current snapshot backup is using the specified device class.

System action

None.

User response

None.

FMM1575E: *product name* cannot be used to perform dual backups. Update your profile to perform either a disk-only backup or use IBM Storage Protect for ERP to perform a dual backup.

Explanation

The backup cannot be started with the current configuration. TSM for ERP 6.1 or later is not installed or configured in /usr/sap/<SID>/SYS/exe/run. Instead, /usr/sap/<SID>/SYS/exe/run/backint points directly to the IBM Storage Protect Snapshot backint. Offloaded backups from a snapshot to IBM Storage Protect is not allowed with this configuration.

System action

Processing ends.

User response

Update your profile to perform either a disk-only backup or use IBM Storage Protect for ERP to perform a dual backup.

FMM1576W: The backup *backup id* is skipped from expiration processing because it is mounted.

Explanation

A new backup request was started while the specified backup is mounted on a backup system. The target set of the mounted backup cannot be reused for a new backup.

System action

None.

User response

If you encounter an error message FMM1579E after this warning message, unmount the mounted backup before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup.

FMM1577W: The backup *backup id* is skipped from expiration processing because a mandatory IBM Storage Protect backup from this image is pending.

Explanation

A new backup request was started while the specified backup is currently pending to be offloaded to tape on a backup system. The backup target set that is currently pending cannot be reused for a new backup.

System action

None.

User response

If you encounter an error message FMM1579E after this warning message, start the offloaded tape backup before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup. If you do not want to start the offloaded tape backup, update the usability state for this backup by issuing the `tsm4acs -f update_status` command with the `TSM_BACKUP=no` option.

FMM1578W: A backup is skipped from expiration processing because of the following error:

Explanation

A new backup request was started while the specified backup is currently locked by another operation.

System action

None.

User response

If you encounter an error message FMM1579E after this warning message, wait until the operation that is locking the backup completes before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup.

FMM1579E: Failed to find a suitable target set for device class *device class*.

Explanation

An available target set was not located and an attempt was made to use the target set of the oldest backup. However, this oldest backup target set is in a MOUNTING or MOUNTED state which prevents reuse. A target set containing a snapshot taken with the parameter `TSM_BACKUP` set to `MANDATE` will also prevent reuse, except when the IBM Storage Protect backup is complete.

System action

Processing stops.

User response

Make sure enough target sets are available and verify the state of the existing target sets.

FMM1580E: Specifying a target volume serial number is mandatory for parameter 'TARGET_VOLUME'.

Explanation

The parameter 'TARGET_VOLUME' expects three values being defined. If these are not present this error occurs.

System action

User response

Specify the following values for parameter 'TARGET_VOLUME': <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

FMM1581E: Error while parsing parameter TARGET_VOLUME *target volume param* in volumes file: the parameter TARGET_VOLUME allows at most three parameters.

Explanation

The parameter 'TARGET_VOLUME' expects three values being defined. If there are more this error occurs.

System action

User response

Correct the specified values for parameter 'TARGET_VOLUME' according to this pattern: <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

FMM1582I: The target set *target set* will be used for the current backup.

Explanation

IBM Storage Protect Snapshot allows to define target sets by a target set definition file (SVC and DS8000) or by a certain naming convention by that IBM Storage Protect Snapshot determines the name of the target from the name of the source volume and the name of the target set to be used for the current operation (SVC only). This message reflects which target set is applied for the current snapshot backup based on the given conditions.

System action

User response

Specify means of target set selection by the profile parameter 'TARGET_SETS' and a target set definition file.

FMM1583W: Backup agents were requesting incompatible IBM Storage Protect backup options. The composed states are: '*states*'.

Explanation

A backup of a partitioned database was attempted. Offloaded backups to IBM Storage Protect use options that are different from options used with the partition backup. However, IBM Storage Protect backup options for all partitions should be identical. This can occur when different device classes are used to back up different partitions, and those device classes are associated with different IBM Storage Protect backup options. The product automatically determines the correct IBM Storage Protect backup options for this operation to prevent a failure.

System action

The operation continues with warning.

User response

Update the configuration so that all partitions use the same IBM Storage Protect backup options during future operations.

FMM1584E: Snapshot backup referenced by ID '*backup id*' does not exist.

Explanation

The specified backup ID was not found in the local snapshot repository.

System action

Processing stops.

User response

Use the inquire function to verify that the specified backup ID is valid.

FMM1586E: Not enough sessions available.

Explanation

The sum of available sessions specified in the various server statements does not cover the required number of sessions.

System action

Processing ends.

User response

Change and adapt the values of the corresponding parameters in the IBM IBM Storage Protect for Enterprise Resource Planning profile.

FMM1588E: The master password you provided does not meet the minimum complexity requirements. Acceptable master passwords are a minimum of *minlength* characters and must contain at least one number and one letter.

Explanation

For security reasons, the master password must meet minimum length and complexity requirements. The master password must be a minimum of 8 characters and must contain at least one number and one letter. The use of special symbols increases the strength of the password.

System action

The password you provided is not adopted.

User response

Define a strong password that meets the minimum length and complexity requirements.

FMM1998E: A snapshot backup of client '*client name*' cannot be offloaded by the offload agent. It must be offloaded using fcmcli with function *tape_backup*.

Explanation

A snapshot backup of the specified client cannot be offloaded by the offload agent. It is probably a backup that was created with an older version of IBM Storage Protect Snapshot.

System action

The offload agent continues to run, but it will not process any snapshot backups of the reported client.

User response

Trigger an offload for the specified client using the *tape_backup* function of the *fcmcli* command.

FMM1999E: A restore operation is not allowed for a backup that was originally performed with FLASHCOPY_TYPE NOCOPY from target volume *targetVolume* on San Volume Controller Version *version.release.revision*. Use San Volume Controller Version 5.1 or later.

Explanation

A restore from backups performed with the FLASHCOPY_TYPE NOCOPY value is only supported for San Volume Controller Version 5.1 or later.

System action

Command will fail.

User response

Run the restore operation again with a backup that was originally performed with FLASHCOPY_TYPE INCR or FLASHCOPY_TYPE COPY.

FMM19214E: The command to create a snapshot failed to execute on IBM FlashSystem.

Explanation

The IBM Storage Protect Snapshot failed to create volume group snapshot for the backup operation.

System action

Processing ends.

User response

Please refer error description and take corrective steps. Otherwise, contact IBM support

FMM19215E: The command to restore a snapshot failed to execute on IBM FlashSystem.

Explanation

The IBM Storage Protect Snapshot failed to restore volume group snapshot for the restore operation.

System action

Processing ends.

User response

Please refer error description and take corrective steps. Otherwise, contact IBM support.

FMM19216E: Failed to get snapshot details from IBM FlashSystem.

Explanation

The IBM storage Protect Snapshot failed to collect snapshot details from the IBM FlashSystem.

System action

Processing ends.

User response

Please refer error description and take corrective steps. Otherwise, contact IBM support.

FMM19217E: Failed to backup or restore data from mixed configuration of volumes and volume groups.

Explanation

IBM Storage Protect Snapshot adapter detected that the volumes to be backed up or restored do not belong to the same volume group, or some volumes belong to the volume group and some do not belong to any volume group.

System action

Processing ends.

User response

Make sure that the volumes to be backed up and restored belong to same volume group or must not belong to any volume group.

FMM19218E: Failed to restore data belonging to multiple snapshots.

Explanation

IBM Storage Protect Snapshot determined that volumes to be restored belong to different snapshots. For Restore operation, all volumes must belong to same snapshot.

System action

Processing ends.

User response

Contact IBM support for further assistance.

FMM19219E: Failed to get the partition name for the volume group.

Explanation

IBM Storage Protect Snapshot was unable to get the FlashSystem partition name for the volume group.

System action

Operation ends with the above error being reported to the user.

User response

Make sure that the volume group is correctly configured inside FlashSystem High Availability (HA) Partition.

FMM19220E: Failed to get the active management system name for the partition.

Explanation

IBM Storage Protect Snapshot was unable to get the active management system for the partition on the FlashSystem.

System action

Operation ends with the above error being reported to the user.

User response

Make sure that the High Availability (HA) partition is correctly configured on the FlashSystem.

FMM19221E: Failed to get the volume group name for the snapshot.

Explanation

IBM Storage Protect Snapshot was unable to get the volume group name for the snapshot.

System action

Operation ends with the above error being reported to the user.

User response

Make sure that the volumes are correctly configured inside a volume group on the FlashSystem.

FMM2000I: Successfully connected to *component_name* on port *portnumber*.

Explanation

One of the Data Protection for SAP modules BACKINT or the backup library libtdp_r3 initiated a successful connection to the background process *component_name* on port *portnumber*.

System action

User response

None.

FMM2001E: Socket error while connecting to *component_name* at host: *reason*.

Explanation

The background process *component_name* is not running.

System action

User response

Start *component_name* manually and try again.

FMM2002E: The group permissions of the user '*username*' are not sufficient. The Oracle(R) executables have the group ownership '*group*' but the specified user does not belong to that group.

Explanation

The specified user has not enough permissions to use the Oracle(R) executables.

System action

Processing ends.

User response

Add the specified group to the specified user.

FMM2003I: File *file_name* *BID* deleted.

Explanation

The file *file_name* with the backup ID <BID> was deleted from the IBM Storage Protect.

System action

User response

None.

FMM2004E: Socket error while listen to port *port number* - error: *error text*.

Explanation

The application was unable to listen to the port specified.

System action

Processing stops.

User response

Check if the process was already started. Do not start a second instance of the same process. Check if the port specified is in use by another application and specify a different port number.

FMM2005W: The virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' will be processed without the requested backup mode since the '*device names*' devices are directly passed through to the virtual machine.

Explanation

The specified virtual machine has passthrough devices, also known as VMDirectPath. VMware(R) is not able to suspend/resume or create snapshots on such virtual machines. Thus this virtual machine will be processed without doing so.

System action

Processing continues.

User response

If the specified virtual machine backup mode should be processed as requested remove the passed through devices from this virtual machine.

FMM2006W: The virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' will be processed without the requested backup mode since fault tolerance is turned on.

Explanation

The specified virtual machine has fault tolerance turned on. VMware(R) is not able to suspend/resume or create snapshots on virtual machines with fault tolerance turned on. Thus this virtual machine will be processed without doing so.

System action

Processing continues.

User response

If the specified virtual machine backup mode should be processed as requested turn fault tolerance off for this virtual machine.

FMM2007E: Unknown Port: *port*

Explanation

The port specified for communication between *component_name* and BACKINT or the backup library is unknown.

System action

User response

Check the port value specified when *component_name* was started. Additionally, check the environment variable PROLE_PORT for the BACKINT environment. These two values must match.

FMM2008E: Unable to connect to *component_name*.

Explanation

Internal error.

System action

User response

Contact IBM Support.

FMM2009I: Deleting backup *version_number* and all older backups.

Explanation

All full database backups and their corresponding log file backups will be deleted from IBM Storage Protect storage, if their version number is less than or equal to *version_number*.

System action**User response**

None.

FMM2010E: Error occurred processing FRONTEND.**Explanation**

An error occurred during the frontend processing.

System action**User response**

Check the frontend script/program and the settings in the Data Protection for SAP profile (keyword FRONTEND) and try again.

FMM2011E: Error occurred processing BACKEND.**Explanation**

An error occurred during the backend processing.

System action**User response**

Check the backend script/program and the settings in the Data Protection for SAP profile (keyword BACKEND) and try again.

FMM2012E: The specified user name or password is not correct, authentication failed.**Explanation****System action****User response**

Enter the correct user name and password.

FMM2013I: Starting FRONTEND program.**Explanation**

The frontend program is executing.

System action**User response**

None.

FMM2014I: FRONTEND program finished.

Explanation

The frontend program is finished.

System action**User response**

None.

FMM2015I: Starting BACKEND program.

Explanation

The backend program is executing.

System action**User response**

None.

FMM2016I: BACKEND program finished.

Explanation

The backend program is finished.

System action**User response**

None.

FMM2017I: Blocksize is set to *num_bytes* bytes

Explanation

The operational blocksize is *num_bytes* bytes.

System action

User response

None.

FMM2018I: The file system '*file system*' was added successfully to the remote cluster '*remote cluster name*'.

Explanation

The specified file system was added successfully to the remote cluster and is now ready to be mounted.

System action

Processing continues

User response

FMM2019I: The snapshot of file system '*file system*' was mounted successfully to '*path*'.

Explanation

The specified snashot of the specified file system was mounted successfully.

System action

Processing continues

User response

FMM2020I: The file system '*file system*' was removed successfully from remote cluster '*remote cluster name*'.

Explanation

The specified file system was removed successfully from the remote cluster.

System action

Processing continues

User response

FMM2021I: The file system '*file system*' was unmounted successfully.

Explanation

The specified file system was unmounted successfully.

System action

Processing continues

User response

FMM2022E: Unable to change mode of file *file name: description*

Explanation

Unable to change mode of file *file name: description* may contain the system error text.

System action

User response

Check the *description*. If the error persists, contact your service representative.

FMM2023I: The '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is resumed.

Explanation

The specified virtual machine is resumed.

System action

Processing continues.

User response

No action is required.

FMM2024E: Error in connection to *component_name*.

Explanation

The connection to *component_name* terminated unexpectedly. This message might be displayed due to previous errors or after an unexpected termination of the *component_name* process.

System action

User response

Check for other error messages and restart *component_name* if necessary. Try again. If the problem persists, contact IBM Support.

FMM2025E: Failed to respond to a message received from *component_name*.

Explanation

This is an internal error.

System action

User response

Contact IBM Support.

FMM2026E: Unexpected exception in handler: *handler*.

Explanation**System action**

This is an internal error.

User response

Contact IBM Support.

FMM2027I: Using IBM Storage Protect-API version *your API version* (compiled with *compiled with version*).

Explanation

Version information about the IBM Storage Protect-API.

System action**User response**

None.

FMM2028W: Unable to terminate a session due to the following error:*session*.

Explanation

This is an internal error during cleanup that has no effect on the success of the service.

System action**User response**

None.

FMM2029E: Could not instantiate the buffer allocator because of the following incompatibility issue: *expression*.

Explanation

This is an internal error.

System action

User response

Contact IBM Support.

FMM2031E: A buffer allocator cannot simultaneously satisfy all of the following properties:*list of properties*

Explanation

This is an internal error.

System action

User response

Contact IBM Support.

FMM2033E: Cannot instantiate allocator of type *allocator type* with the following additional properties:*list of properties*

Explanation

This is an internal error.

System action

User response

Contact IBM Support.

FMM2086W: The following failure groups were not needed during the backup: *serial*. Either they are misspelled in the profile or they are not online. You might want to check them.

Explanation

The specified failure groups have not been used for the backup. Either they have not been found or they are not online.

System action

Processing continues.

User response

You might want to check if the failure groups you specified in the profile are spelled right. If they are spelled right you might want to check if all of them are online.

FMM2087W: The diskgroup '*dg*' contains '*fg total*' failure groups, but currently only '*fg online*' of them are online. Just the online failure groups can be

included in the backup. During restore just the online failure groups would be restored and the others would be dropped.

Explanation

Not all of the failure groups of the specified diskgroup are online. Just the failure groups which are online can be included in the backup. During a restore the failure groups included in the backup are restored, the others are dropped.

System action

Processing continues.

User response

You might want to check if all failure groups of the specified diskgroup are online and if not bring the online to include all of them in the backup.

FMM2088I: The diskgroup 'dg' and its online failure groups: fg are now dropped.

Explanation

The specified diskgroup and its failure groups are dropped. Usually the customer will have to recreate the failure groups which were not included in the backup after having restored successfully.

System action

Processing continues.

User response

After having restored you might want to recreate the failure groups which have not been restored.

FMM2089W: The diskgroup 'dg' contains failure groups which are currently offline: fg. The diskgroup cannot be dropped from these failure groups. Please ensure that they do not become available during the restore process.

Explanation

The specified failure groups are currently offline. ASM cannot drop a diskgroup from failure groups which are offline. If these failure groups get online during the restore process this could result in an inconsistent state.

System action

Processing continues.

User response

Please ensure that the specified failure groups do not become online again during the restore process.

FMM2090E: The device '*dev*' could not be removed. Please ensure that you are not accessing the ASM or database instance for example by an open sqlplus console.

Explanation

The specified device could not be removed from the OS because it is still in use. This might be caused by accessing the ASM or database instance for example by an open sqlplus console.

System action

Processing ends.

User response

Please ensure that you don't access the database or ASM instance by any open SQL consoles.

FMM2091W: For the virtual machine '*vm name*' the backup mode *mode* is changed to ASIS because it has raw device-mapping disks attached. As a consequence, the backup of the specified virtual machine is only crash consistent.

Explanation

In principle, raw device-mapping disks are not included in the IBM Storage Protect Snapshot backup. When you restore the virtual machine, it is not possible to revert to the VMware(R) snapshot. Because when the VMware(R) snapshot was taken, the raw device-mapping disks were still part of the virtual machine configuration. The requested VMware(R) snapshot is skipped before the actual hardware snapshot is performed for this virtual machine.

System action

Processing continues. The backup of the specified virtual machine is performed but with crash consistency only.

User response

To process the specified virtual machine backup mode as requested (including the VMware(R) snapshot), remove the raw device-mapping disks from the virtual machine configuration before the backup.

FMM2092W: A restore of the virtual machine '*vm name*' does not recover the existing VMware(R) snapshots because it has raw device-mapping disks.

Explanation

In principle, raw device-mapping disks are not included in the IBM Storage Protect Snapshot backup. When you restore the virtual machine it is not possible to revert to the existing VMware(R) snapshots. Because at the time when the VMware(R) snapshots were taken, the raw device-mapping disks were still part of the virtual machine configuration.

System action

Processing continues.

User response

FMM2093W: The virtual machine '*vm name*' has raw device-mapping disks attached. When you restore this virtual machine from the hardware snapshot the achieved consistency level is crash consistency only. This limitation does not apply when you restore the virtual machine from the offloaded IBM Storage Protect backup.

Explanation

In principle, raw device-mapping disks are not included in the IBM Storage Protect Snapshot backup. When you restore the virtual machine from the hardware snapshot backup, it is not possible to revert to the VMware(R) snapshot. Because at the time when the VMware(R) snapshot was taken, the raw device-mapping disks were still part of the virtual machine configuration. When the hardware snapshot backup is offloaded to IBM Storage Protect and restored from there, this limitation does not apply.

System action

Processing continues.

User response

Restore the virtual machine from the offloaded IBM Storage Protect backup to maintain file system level consistency.

FMM2094W: A file layout change was detected during the backup of the virtual machine '*vm name*', this change was probably caused by a VMware(R) Storage VMotion operation. The virtual machine is excluded from the backup and cannot be restored from this backup.

Explanation

A VMware(R) Storage VMotion operation might interfere with the snapshot backup process. It is possible, that files are migrated to another data store that is not included in the backup while the backup is in progress. As a result, these files cannot be restored at a later time.

System action

Processing continues.

User response

Ensure that a storage migration is not occurring on the virtual machine and rerun the backup task.

FMM2095E: The backup is unusable because all the virtual machines that it contains have been invalidated due to an interfering VMware(R) Storage VMotion operation.

Explanation

A VMware(R) Storage VMotion operation might interfere with the snapshot backup process. It is possible, that files are migrated to another data store that is not included in the backup while the backup is in progress. As a result, these files cannot be restored at a later time.

System action

Processing continues.

User response

Ensure that a storage migration is not occurring on the virtual machines you selected for backup and rerun the backup task.

FMM2096W: The offload agent ('*bexname*') was not started. As a consequence, the snapshot backup is not automatically offloaded to IBM Storage Protect.

Explanation

The offload agent periodically checks for new snapshot backups that are ready to offload to IBM Storage Protect. If the offload agent is not running as a daemon process, then the offload backup is not automatically triggered.

System action

Processing continues.

User response

Check that the offload agent is running. Use the Configuration Wizard to check for the offload agent entry in the inittab, or to configure a new upstart job, or to create a systemd service. Alternatively, you can manually trigger an offload backup or you can run a scheduled script to start the offload agent. For more information, see the IBM Storage Protect Snapshot Installation and User's Guide.

FMM2913I: The version delete setting is configured to retain *number* backup generations. Checking for expired backups.

Explanation

The profile parameter MAX_VERSIONS is configured to retain *number* backup generations. Data Protection for SAP is checking if surplus backups exist.

System action

Processing continues.

User response

None.

FMM4000W: The attributes of file '*file name*' cannot be restored. Reason: *errno(error_num) error_desc*.

Explanation

The file *file name* was restored successfully but one or more file attributes (permission, ownership, date/time) of the file *file name* cannot be restored correctly.

System action

User response

Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. An initial solution could be to set the appropriate correct permission for the file *file name* manually.

**FMM4001E: File '*file name*' cannot be created. Reason: errno(*error_num*)
*error_desc***

Explanation

The file *file name* to be restored could not be created/written. It is possible, that you do not have the appropriate rights for writing the file *file name* to the destination path.

System action

User response

Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. Furthermore, check the write permission of the user who started the restore.

**FMM4002E: Error during write of file '*file_name*'. Reason: errno(*error_num*)
*error_desc***

Explanation

An error occurs during the restore process of the file *file name*.

System action

User response

Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future.

**FMM4003E: Operation mount will be aborted. Physical volume(s) with conflicting
physical volume id(s) have been found on the target host
'*host_name*'*list_of_pvids***

Explanation

Physical volume(s) with one or more of the physical volume id's which are part of this mount operation do already exist on the target host. Continuing would cause conflicting physical volume id's.

System action

Processing stops.

User response

Cleanup the target system. Remove the specified volume(s) containing the same physical volume id(s).

FMM4005E: Error allocating memory block for file *file name*. BLOCKSIZE may be too large.

Explanation

Unable to request new memory blocks during the backup of file *file name*.

System action

User response

Verify that you have set a valid value for BLOCKSIZE. If you are not sure what value is valid, comment it out so the default value is used. Furthermore, you can check if you have enough RAM available with your machine. Also, check the memory usage during backup. It may be necessary to stop another application, increase memory, or change the configuration.

FMM4007E: File '*filename*' cannot be read Reason: errno(*error_num*) *error description*

Explanation

Data could not be read due to some system error. Check *error description* for further information. If this error recurs, this might indicate some hardware problems.

System action

User response

Contact your system administrator.

FMM4008E: File '*filename*' cannot be opened. Reason: errno(*error_num*) *error_text*

Explanation

Could not open the file *file name* due to some system specific problems.

System action

User response

Contact your system administrator.

FMM4009E: Not enough space to write File '*filename*'. Possible reasons: disk full or ulimit exceeded.

Explanation

The system rejected a request to write data into file *file name*. The storage media might not have enough free space to keep the file or the system rejected writing the file due to administrative resource constraints such as ulimits.

System action

User response

Contact your system administrator.

FMM4010E: SAP requires the file *filename* to be a regular file.

Explanation

To be able to support SAP environments the named file has to be a regular file.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM4011W: The backup device type (*filetype backup devicetype backup devsubtype*) differs from the restore device type (*filetype restore descr1 descr2*) for *name*.

Explanation

A mismatch between the device types during backup and restore was detected.

System action

User response

Check the logs for further information

FMM4012E: Unexpected EOF for file '*filename*' after reading *number* Bytes.

Explanation

The end of file was reached unexpectedly.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM4013I: CreateFile() with dwFlagsAndAttributes='*attribute*'.

Explanation

A file with the nmed attribute was created.

System action

User response

None.

FMM4014E: File '*filename*' cannot be accessed. Reason: errno<(number) *errmsg*

Explanation

A named file could not be accessed either for reading or writing.

System action

User response

Check the file permissions and if necessary adjust them accordingly. Try again.

FMM4015E: Failed to attach the volumes '*volumes*' to the host '*hostname*'.

Explanation

IBM Storage Protect Snapshot was not able to attach these volumes to the host for mount.

System action

Processing ends.

User response

Verify the CIM error.

FMM4016W: The mapping between volume '*vol*' and the host '*hostname*' was not found in the CIMOM.

Explanation

IBM Storage Protect Snapshot did not found the map volume to host in the CIMOM.

System action

Processing continues.

User response

None.

FMM4017E: Failed to detach the volumes '*volumes*' from the host '*hostname*'.

Explanation

IBM Storage Protect Snapshot was not able to detach these volumes from the host after the unmount.

System action

Processing ends.

User response

Verify the CIM error.

FMM4018E: Parameter *parameter name* requires a value in the range between *min* and *max*.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM4019E: The hostname '*hostname*' must be defined as a host entry in the IBM SAN Volume Controller.

Explanation

IBM Storage Protect Snapshot was not able to find the hostname specified as a valid host entry in the IBM SAN Volume Controller. This value is specified in the profile by the parameter BACKUP_HOST_NAME.

System action

Processing ends.

User response

Verify the value specified in the profile and ensure that it is a valid host in the IBM SVC Volume Controller.

FMM4021E: The FlashCopy mapping for the source and target volumes '*src*' and '*tgt*' was found, however the consistency group is missing.

Explanation

IBM Storage Protect Snapshot was not able to find the consistency group for the existing mapping of the source and target volumes specified.

System action

Processing ends.

User response

The state found in the storage subsystem is not supported for a re-start of the FlashCopy. The consistency group and the FlashCopy mappings are created by IBM Storage Protect Snapshot and re-use during refreshing of the FlashCopy. A manual cleanup should be evaluated in this case.

FMM4022E: The LUN serial numbers *Lun serials* that were used by the original datastore are now in use by the following datastores: *new datastore names* Ensure that the LUNs are not in use by other datastores, by removing the datastores that are contained by these LUNs from the vCenter Server.

Explanation

After a backup the datastore was deleted and the disks are reused to create new datastores. IBM Storage Protect Snapshot overwrites the content of disks during an instant restore. Therefore, verify that the disks are not in use to ensure that the instant restore can complete successfully.

System action

Processing ends.

User response

Identify the datastores that are currently using these LUNs and delete the datastores in the vCenter Server, then retry the operation again.

FMM4023E: The *new datastore name* datastore, which was identified to be overwritten by the instant restore, does not use all the LUNs of the original datastore. Remove this datastore and corresponding virtual machines from the vCenter Server and retry the instant restore operation again.

Explanation

After a backup the datastore was deleted and some of the disks has been reused to create a new datastore. This message is issued to alert you to the fact that the newly created datastore and virtual machines will be overwritten.

System action

Processing ends.

User response

Delete the datastore that is named in this error message from the vCenter Server, then try the instant restore operation again.

FMM4024E: This backup version was created with a previous version of the product that does not support datastore restore (instant restore). Create a new backup to enable the instant restore function. You can restore the backup by using a virtual machine restore operation.

Explanation

The instant restore failed because the backup version was old and does not support instant restore. It is still possible to use a virtual machine restore function.

System action

Processing ends.

User response

Create a new backup of your datastores to enable instant restore for the datastores. It is still possible to do a virtual machine restore from an old backup.

FMM4175E: San Volume Controller VDisk *vdisk* is not online. Please retry this command after bringing this volume back online.

Explanation

Either the source or the target VDisk is no longer online.

System action

Command will fail.

User response

Please retry the command after bringing the VDisk back online.

FMM4176E: A restore is not allowed from space-efficient target volume *targetVolume* on San Volume Controller Version *version.release.revision*. Use San Volume Controller Version 5.1 or later.

Explanation

Restore from Space-efficient target volumes is only supported on San Volume Controller Version 5.1 or later.

System action

Command will fail.

User response

Run the restore operation with a backup that was performed using a full volume target.

FMM4177E: User specified copy type *usrCopyType* is in conflict with the copy type *fcCopyType* for the previously established FlashCopy. Please retry the operation for this copy type specifying a different target set.

Explanation

The previously established FlashCopy maps are used for a specified copy type for all backups that use the same copy type.

System action

Command will fail.

User response

Run the operation again with a different target set in order to use this copy type.

FMM4178E: The directory '*directory*' containing the CIM components is missing.

Explanation

The CIM components (a collection of different libraries) must reside in a directory within a specific pegasus-directory. The directory has to be created under the pegasus-directory where the device agent can be found.

System action

Processing ends.

User response

Make sure that the pegasus-directory is created under the location where the device agent exists. If this required pegasus-directory is not available, it can be manually copied from the default FlashCopy Manager installation directory to the required location.

FMM4179E: Metro mirror or global mirror remote copy relations for source '*source vdisk*' do not have a consistency group defined.

Explanation

Metro mirror or global mirror remote copy relations have not been added to a consistency group.

System action

Processing ends.

User response

Add the metro mirror or global mirror remote copy relations to a consistency group. Try the operation again.

FMM4180W: The current number of metro mirror or global mirror remote copy relations '*current num of rc relations*' is different from the number at the time of backup '*original num of rc relations*'.

Explanation

The number of metro mirror or global mirror remote copy relations is different from that at the time of backup.

System action

Processing ends.

User response

Add the missing metro mirror or global mirror remote copy relations to the consistency group. Try the operation again.

FMM4183I: Performing *flashcopytype* FlashCopy of source volume *source* to target volume *target*.

Explanation

Indicates which type of FlashCopy is performed and which source and target volumes are used.

System action

User response

None.

FMM4184I: CIM Agent version for *hwType*: '*version.release.revision*'.

Explanation

Provides the CIM Agent version.

System action

User response

None.

FMM4185E: The mandatory source and target FlashCopy mapping *source* / *target* cannot be satisfied because the volumes do not match.

Explanation

The source to target mappings specified in the target volumes file are invalid. Either the volumes are located in different SAN Volume Controller clusters or the volume size does not match.

System action

User response

Correct the target volumes file and try the operation again.

FMM4186E: For the sources *source* no matching target LUN could be found in the selected target set.

Explanation

The selected target set from the target volumes file has no matching volume for the source volume. Either the volumes are located in different SAN Volume Controller clusters or the volume size does not match.

System action

User response

Update the target volumes file to provide target sets which have matching target volumes for the source volumes.

FMM4187E: The LUN with serial number '*serial*' is not known by the configured CIM Agent '*primaryserver*' of storage system type '*hardwaretype*'.

Explanation

The device agent communicates with the storage CIM agent to get information about the LUNs. However, the connected CIM Agent did not find information for the LUN identified by this serial number. Verify that the correct device class is used, and that the missing LUN resides on the specified CIM agent of the specified storage system type.

System action

Processing stops.

User response

Verify with the storage GUI or CLI that the CIM agent is working and the concerned LUN is available. Another cause of this error is when the storage system of the disks are not of the type specified by the parameter COPYSERVICES_HARDWARE_TYPE. See the description of this parameter in the User's Guide. Use AIX commands to figure out the type of the storage. For example, `lscfg -pvl 'hdisknnn'` or `lsdev -Cc disk`. Ensure that each copy of the database is residing on disks of the same storage system type. Ensure that the right device class has been used and that the missing LUN resides in the specified CIM agent of the specified storage system type.

FMM4188E: The target volume named *volname* is not known by the CIM Agent in the cluster *cluster*.

Explanation

The device agent communicates with the storage CIM agent to get information about the LUNs. However, the connected CIM Agent did not find information for the LUN identified by this volume name and cluster name.

System action

Processing stops.

User response

Verify with the storage GUI or CLI that the CIM agent is working and the concerned LUN is available.

FMM4189E: The cluster id *clustername*; specified by the parameter *parname*; is not known by the CIM Agent.

Explanation

The FlashManager device agent communicates with the storage CIM agent to get information about the LUNs. However, for the cluster identified by this id or name no information was found in the CIM agent current connected.

System action

Processing stops.

User response

Verify with the storage GUI or CLI that the CIM agent is working and the concerned cluster is available.

FMM4190I: All source/target pairs are in an incremental FlashCopy relation.

Explanation

The FlashManager device agent found already established FlashCopy relations and will try to re-use them.

System action

Processing continues.

User response

None.

FMM4191I: No source/target pairs are in an incremental FlashCopy relation.

Explanation

The FlashManager device agent was not able to find FlashCopy relations for the volumes involved in this backup. The relations will now be established.

System action

Processing continues.

User response

None.

FMM4192I: Not all source/target pairs are in an incremental FlashCopy relation.

Explanation

The FlashManager device agent found some of the FlashCopy relations established, some not. The missing relations will be established.

System action

User response

None.

FMM4193E: The DB2 instance owner *instanceowner* could not be found in /etc/passwd.

Explanation

This function is only allowed for DB2. Your DB2 instance must have the same name as the DB2 instance owner as specified in /etc/passwd.

System action

Processing ends.

User response

Please make sure you start this function as DB2 instance owner.

FMM4194I: All virtual machines that are located within the '*datastore name*' data store are powered down and unregistered.

Explanation

All virtual machines that are located within the specified data store are powered down and unregistered.

System action

Processing continues.

User response

No action is required.

FMM4195I: The '*vm name*' virtual machine is successfully restored and registered at the '*ESX host name*' ESX host.

Explanation

The specified virtual machine was successfully restored and registered.

System action

Processing continues.

User response

No action is required

FMM5000E: IBM Storage Protect Error:*error_message*

Explanation

During a connection of Data Protection for SAP to IBM Storage Protect server, a IBM Storage Protect error *error_message* occurred.

System action

User response

Use the IBM Storage Protect Messages guide and correct the IBM Storage Protect server error. Try your last action again.

FMM5001E: IBM Storage Protect Error:*error_message*

Explanation

During a connection of Data Protection for SAP to IBM Storage Protect server, a IBM Storage Protect error *error_message* occurred.

System action

User response

Use the IBM Storage Protect Messages guide and correct the IBM Storage Protect server error. Try your last action again.

FMM5002E: IBM Storage Protect Error during inquire of mux file *backup_id:error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5003E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5004W: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5005E: IBM Storage Protect Error.

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5006E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5007E: IBM Storage Protect Error.

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5008E: IBM Storage Protect Error.

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5009E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5010E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5011E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5012E: Cannot open IBM Storage Protect API message text file. Check if DSMI_DIR is set correctly. Current value of DSMI_DIR is: *dsmi_dir*

Explanation

The IBM Storage Protect API is unable to open the message text file. This file is required in order to issue messages. By default, it should reside in the IBM Storage Protect API installation directory. If the IBM Storage Protect API is installed in another location, use the DSMI_DIR the environment variable to specify the correct location.

System action

Processing stops.

User response

Verify that the DSMI_DIR environment variable points to the correct location and that the IBM Storage Protect API installation is complete.

FMM5013E: Value for *name* is too long. Current value: *value*

Explanation

The value of the environment variable *name* has too many digits.

System action

User response

Check if the variable is set correctly.

FMM5014E: IBM Storage Protect Error:*error_message*

Explanation

See FMM5001E.

System action

User response

See FMM5001E.

FMM5015W: Data *description*, *file name* could not be restored, because it was backed up with a newer version (*objInf_support information*).

Explanation

The IBM Storage Protect server hosts backups (data description) which were made with a new version of backint or backom, which ignores this data in further processing.

System action

User response

Upgrade the product.

FMM5016I: Time: *current time* New session created: management class: *management_class*, server: *server_name*, type: *session_type*

Explanation

A new session to IBM Storage Protect server *server_name* has been established at *current_time*. Data will be stored in management class *management_class*.

System action

User response

None.

FMM5017E: Internal IBM Storage Protect Error: Transaction succeeded although it was expected to fail.

Explanation

An internal IBM Storage Protect error occurred.

System action

User response

Retry the action. If the error occurs again contact IBM Support.

FMM5018E: The requested buffer has a size (*current_size* bytes) that is smaller than requested *requested_size*.

Explanation

The request for a new buffer was successful. The buffer, however, does not have the requested size.

System action

User response

Check if the system is running low on memory and retry the action. If the error occurs again contact IBM Support.

FMM5019E: Error during delete of object *filename:object*

Explanation

A named file could not be deleted from a IBM Storage Protect server.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5020E: Error while deleting objects *:objects*

Explanation

One or more named objects could not be deleted from a IBM Storage Protect server.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5021W: No data is deleted on the IBM Storage Protect Server because the environment variable "XINT_FUNCTION_DELETE" is set to "DISABLE".

Explanation

The delete function was disabled temporarily.

System action

User response

If the delete function has to be re-activated, unset the environment variable XINT_FUNCTION_DELETE and try again.

FMM5022W: Error during version delete. Not all backups that should have been expired could be removed.

Explanation

The database backup finished successfully. Nevertheless, the deletion of expired backup sets failed.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5023E: The management class '*class name*' does not have an archive copy group defined, and can not be used.

Explanation

IBM Storage Protect for Enterprise Resource Planning stores all data as archive objects on the IBM Storage Protect server. Therefore each management class to be used needs an archive copy group. The management class *class name* specified in the profile does not have an archive copy group.

System action

The operation continues if alternate management classes are available, if not the operation is stopped.

User response

Check the spelling of the management class in the profile or assign an archive copy group to the management class.

FMM5025I: Backup with ID '*backup id*' completed successfully.

Explanation

The SAP HANA backup has completed successfully. This message is not written to the backint.log. It can be found in the IBM Storage Protect server activity log or special version delete log file.

System action

Processing continues.

User response

None.

FMM5026I: Backup with ID '*backup id*' did not complete successfully.

Explanation

The backup did not complete successfully and cannot be used for complete recovery. Parts of the backup might still be valid. This message is not written to the backint.log. It can be found in the IBM Storage Protect server activity log or special version delete log file.

System action

Processing stops.

User response

Check the SAP HANA log file backup.log and the IBM Storage Protect for Enterprise Resource Planning log file backint.log for errors.

FMM5027I: Time: '*time stamp*' version delete processing starts.

Explanation

A full database backup was completed successfully and profile parameter MAX_VERSION is set to a value higher than 0. IBM Storage Protect for Enterprise Resource Planning now checks how many full database backups are stored on the IBM Storage Protect server and deletes obsolete backup generations. This message is not written to the backint.log. It can be found in the IBM Storage Protect server activity log or special version delete log file.

System action

Processing continues.

User response

None.

FMM5028I: Time: '*time stamp*' version delete processing finished.

Explanation

The checking and deletion of obsolete backup generations on the IBM Storage Protect server has completed. This message is not written to the backint.log. It can be found in the IBM Storage Protect server activity log or special version delete log file.

System action

Processing continues.

User response

None.

FMM5029E: The completion status of backup with ID '*backup id*' cannot be determined. Automatic backup deletion skipped.

Explanation

IBM Storage Protect did query the SAP HANA backup catalog for the status of backup with ID '*backup id*', but the completion state of the backup was not found. This message is not written to the backint.log. It can be found in the server activity log or special version delete log file.

System action

Processing stops.

User response

Check the SAP HANA backup catalog and log file backup.log to determine the root cause.

FMM5637I: SAN Volume Controller CIM Agent version is: *version*.msgnl;

Explanation

The San Volume Controller CIM Agent version.

System action

Processing continues.

User response

None.

FMM5638E: Could not parse TOOLOPTION string: '*options*'

Explanation

The additional options passed to IBM Storage Protect for Enterprise Resource Planning by SAP HANA could not be interpreted.

System action

Processing stops.

User response

The *options* can be specified when starting the SAP HANA backup. Check the command. For details how to pass options with the SAP HANA backup command see the SAP HANA admin guide. Correct the *options* and retry the action.

FMM5639E: Could not parse element '*element_name*' in TOOLOPTION string.

Explanation

A single element of the additional options passed by SAP HANA to IBM Storage Protect for Enterprise Resource Planning could not be parsed.

System action

Processing stops.

User response

Check and correct the *element_name* in the backup command. Retry the action.

FMM5640I: Received TOOLOPTION string: '*options*'

Explanation

This message indicates which additional options have been passed by SAP HANA to IBM Storage Protect for Enterprise Resource Planning.

System action

Processing continues.

User response

None

FMM5641I: Selected server stanza '*stanza_name*' for this operation.

Explanation

Based on the additional options passed by SAP HANA to IBM Storage Protect for Enterprise Resource Planning the server stanza *stanza_name* was selected as target for the current backup operation.

System action

Processing continues.

User response

None

FMM5642E: There is no server stanza with name '*stanza_name*' specified in the current profile.

Explanation

The backup was started with the additional option "stanza=<servername>". But a server stanza with this name was not found in the current profile.

System action

Processing stops.

User response

Correct the *stanza_name* and retry the action.

FMM5651E: Incorrect copy type *copyType* has been specified for space-efficient target volume *targetVolume*. Please retry this command using NOCOPY copy type.

Explanation

It is inefficient to perform COPY or INCR type of flashcopy backup with space-efficient target volumes as it will force the space-efficient volumes to grow to full size on the very first backup. Use NOCOPY copy type instead.

System action

Command will fail.

User response

Please retry the command using NOCOPY copy type.

FMM5655E: The value you specified is not a directory.

Explanation

You must specify an existing directory with the -o parameter. This directory will be used as an output location for the resulting XML file.

System action

Processing ends.

User response

Please provide a valid output directory.

FMM5667E: A Flashcopy Restore operation is in progress between source volume *sourceVolume* and target volume *targetVolume*. Please retry this command after the restore operation completes.

Explanation

It is not possible to perform other Flashcopy backup or restore operations using this source until the currently running FlashCopy restore operation completes.

System action

Command will fail.

User response

Please retry the command after the Flashcopy restore operation completes.

FMM5668E: The input target volume *targetVolume* is already in a flashcopy relationship with a volume other than the input source *sourceVolume*. Please retry this command with a different target volume.

Explanation

It is not allowed to use a given volume as the target for more than one flashcopy relationship.

System action

Command will fail.

User response

Please retry the command using a different target volume.

FMM6199E: Failed to determine the database id. Output of the failed command:*output*

Explanation

The attempt to determine the database id was unsuccessful. Requirements for this operation are a complete and functional database software installation and a valid control file.

System action

Processing stops.

User response

Check the output of the failed command for further information about the root cause. Resolve these issues and perform the operation again.

FMM6201I: Checking status of database.

Explanation

The actual status of the database will be checked to ensure a valid state for the subsequent operation.

System action

User response

None.

FMM6202E: The log mode for this database is NOARCHIVELOG.

Explanation

The log mode for this database is NOARCHIVELOG.

System action

User response

Change the log mode for this database to ARCHIVELOG.

FMM6203E: The Oracle database is currently in read-only mode.

Explanation

The Oracle database is currently designated as read-only. Processing stops.

System action

User response

Remove the read-only mode of the Oracle database and try again.

FMM6204E: The Backup type is online but the mount mode is either nomount or startup restricted.

Explanation

The Backup type is online but the mount mode is either nomount or startup restricted.

System action

User response

Change the mount mode to startup mount.

FMM6205I: Changing Oracle mode to: *mode*.

Explanation

The operational mode of the Oracle database is changed to the named mode.

System action

User response

None.

FMM6206E: No table space was found for the Oracle database.

Explanation

No table space was found for the Oracle database.

System action

User response

Make sure the correct database system identifier (SID) is specified.

FMM6207E: Oracle database data files were not found. More details: *errmsg*

Explanation

IBM Storage Protect Snapshot was unable to determine the names of the data files that are used by the database.

System action

Processing stops.

User response

Check the *errmsg* for more information about the cause of this problem.

FMM6208E: Oracle database control files were not found.

Explanation

Oracle database data files were not found.

System action

User response

Make sure the correct database system identifier (SID) is specified.

FMM6209E: The database failed to shutdown during the flashcopy operation.

Explanation

The database attempted to shutdown because the backup type parameter is set to offline. The database failed to shutdown.

System action

User response

Manually shutdown the database you are trying to back up, then run the operation again.

FMM6210E: Failed to open the output file: *filename*

Explanation

The named output file could not be opened.

System action

User response

Either the file doesn't exist or the permissions are not sufficient for the requested operation. Check that the directory exists where an attempt is being made to access the output file and that sufficient permissions are granted. Try again.

FMM6211E: Failed to copy the database controlfile. Please check log file '*filename*'.

Explanation

The Oracle database control file doesn't exist.

System action

User response

Make corrective actions regarding the information to be found in the named log file and try again.

FMM6212I: Suspend database.

Explanation

The Oracle database to be flashed is going to be suspended.

System action

User response

None.

**FMM6213E: An error occurred while attempting an 'alter system suspend' action.
More details: *errmsg***

Explanation

An error occurred while attempting an 'alter system suspend' action. Details can be found in the named message.

System action

User response

Make sure the Oracle database to be backed up is running, then try to suspend the system with a command line invocation. If the system suspends successfully, run the operation again.

FMM6214I: Resume database.

Explanation

The Oracle database to be flashed is going to be resumed.

System action

User response

None.

FMM6215E: An error occurred while attempting an 'alter system resume' action.

More details: *errmsgs*

Explanation

An error occurred while attempting an 'alter system resume' action. Details can be found in the named message.

System action

User response

Make sure the Oracle database to be backed up is running, then try to resume the system with a command line invocation. If the system resumes successfully, run the operation again.

FMM6216E: Failed to get Oracle version information.

Explanation

Failed to get Oracle version information using sqlplus.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6217I: Database switched to next logfile.

Explanation

The database switched to the next logfile.

System action

User response

None.

FMM6218E: Backup ID to delete not specified.

Explanation

To delete a backup a valid backup id has to be specified.

System action

User response

Specify a valid backup id and try again.

FMM6219I: Backup to IBM Storage Protect: *filename*

Explanation

Backing up the named file to IBM Storage Protect.

System action

User response

None.

FMM6220E: Another clone with clone database name '*clone database name*' is already mounted on a clone server using device class '*device classes*'.

Explanation

The requested 'create_clone' command cannot continue due to another clone with the specified name is still mounted on a clone server using the specified device class(es).

System action

Processing ends.

User response

Either issue explicitly the 'delete_clone' command to release resources on the clone server or, if possible, issue the 'refresh_clone' command, which implicitly triggers the deletion of a clone prior starting a new one.

FMM6221I: Database profile: *filename*

Explanation

Using the named database profile.

System action

User response

None.

FMM6222E: Database profile '*filename*' not found.

Explanation

The named database profile was not found.

System action

User response

Check if the named profile exists and try again.

FMM6223I: Detected control file: *filename*

Explanation

The named Oracle control file was found.

System action

User response

None.

FMM6224I: Create control file copy: *control file*

Explanation

A named Oracle control file copy will be created.

System action

User response

None.

FMM6225I: Create database parameter file '*filename*' from SPfile.

Explanation

A named Oracle database parameter file will be created.

System action

User response

None.

FMM6226E: Default directory for database parameter file '*filename*' not found.

Explanation

The name Oracle parameter file could not be found within the default directory.

System action

User response

Ensure a valid Oracle parameter file exists in the default directory and try again.

FMM6227I: Parameter 'database_control_file_restore' is set to yes in the profile. You will need to do the incomplete recovery after the restore.

Explanation

The Oracle database control file is requested for restore.

System action

User response

None.

FMM6228E: The database seems to be running. Restore not possible.

Explanation

A running Oracle database was detected and therefore a restore is not possible.

System action

User response

Check if the started restore operation is valid. If yes, stop the running database and try again.

FMM6229I: Restoring control file *controlfile*

Explanation

The named control file will be restored.

System action

User response

None.

FMM6230I: Set table space files in backup mode.

Explanation

The table space files of the participating table spaces will be set in backup mode.

System action

User response

None.

FMM6231I: End backup mode for table space files.**Explanation**

The backup mode for table space files of the participating table spaces will be reset.

System action**User response**

None.

FMM6232I: Looking for the latest backup.**Explanation**

An attempt is being made to pick the most current valid backup image for the requested operation.

System action**User response**

None.

FMM6233I: Restoring backup with ID *id*.**Explanation**

The backup with the named id will be restored.

System action**User response**

None.

FMM6234E: No backup found which could be restored.**Explanation**

There was no snapshot backup found which can be restored.

System action**User response**

Verify your environment. If one or multiple valid snapshot backup exist and the restore still fails, contact your IBM support personnel.

FMM6235I: Deleting backup with ID *id*.

Explanation

The named snapshot backup is going to be deleted.

System action

User response

None.

FMM6236E: Failed to delete backup with ID *id*. Reason: *reason*

Explanation

The snapshot backup with the named id could not be deleted.

System action

User response

Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6237E: Backup failed. Please check RMAN log.

Explanation

The offloaded backup to IBM Storage Protect using RMAN failed.

System action

User response

Make corrective actions regarding the information to be found in the named log file and try again.

FMM6238E: Failed to switch logfiles. This is the output of the failed command:*output*

Explanation

The command failed.

System action

User response

Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6239E: Failed to detect read mode. This is the output of the failed command:*output*

Explanation

The command failed.

System action

User response

Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6240E: Failed to create a pfile from spfile. This is the output of the failed command:*output*

Explanation

The command failed.

System action

User response

Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6241E: The tablespace file '*filename*' is a link but not a real file.

Explanation

The named tablespace file has to be a real file. Instead, a link was detected.

System action

User response

Verify your environment. If the problem cannot be resolved contact your IBM support personnel.

FMM6242E: Raw devices are not supported. ('*devicename*')

Explanation

Raw devices are currently not supported.

System action

User response

For further details on this issue, contact your IBM support personnel.

FMM6243E: Failed to excute sql cmd '*command*' on host '*hostname*'. This is the output of the failed command:*output*

Explanation

The named sql command failed.

System action

User response

Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6244I: Received an information message from the adapter:*info_message*

Explanation

Indicates that this information message was received from a device adapter.

System action

User response

None.

FMM6245I: source volume ID: *serialnumber* capacity: *size*

Explanation

The physical volume with the serial number shown has a capacity of size.

System action

User response

None.

FMM6246I: Total managed capacity: *size*

Explanation

The total amount of all physical volumes protected by IBM Storage Protect Snapshot is shown.

System action

User response

None.

FMM6247W: No serial number has been found for device: *devicename*

Explanation

The serial number of the specified device could not be resolved. If you use Oracle ASM on Linux this warning can be caused by missing or incorrect ORACLEASM_SCANORDER and ORACLEASM_SCANEXCLUDE settings within the Oracle ASMLib configuration.

System action

Processing continues.

User response

No serial number has been found for the specified device. Please ensure that is available on your host. In case you are using Oracle ASM on Linux and the backup fails with this warning in the output, ensure Oracle ASMLib is configured properly for multipathing. The parameters ORACLEASM_SCANORDER and ORACLEASM_SCANEXCLUDE need to be configured properly according to your environment. Look at the Pre-installation Checklist in the section "Requirements for Oracle" for details. Further explanations can be found here: <http://www.oracle.com/technetwork/topics/linux/multipath-097959.html>

FMM6248W: No device has been found for the character device '*devicename*' with major number '*major*' and minor number '*minor*'.

Explanation

No corresponding device has been found for the character device with '*devicename*'. That means that no corresponding hdisk has been found in the OS for the ASM device which is matched using minor and major number of the device.

System action

Processing continues.

User response

Ensure that an hdisk exists in /dev which has the mentioned minor and major numbers.

FMM6249W: The diskgroup '*dg*' contains failure groups which are currently offline: *fg*. These failure groups cannot be included in the flashcopy.

Explanation

The specified failure groups are currently offline. They cannot be included in the flashcopy and are thus not counted as valid failure groups.

System action

Processing continues.

User response

If you have to less failure groups to perform a flashcopy you may want to bring these failure groups online so that they can be included in the flashcopy.

FMM6250E: Error during initialization: *description*

Explanation

An error resulting in the named description was detected during the initialization phase of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6251E: Error during start of backup: *description*

Explanation

An error resulting in the named description was detected during the start of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6252E: Error during partitioning: *description*

Explanation

An error resulting in the named description was detected during the partitioning phase of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6253E: Error during preparation of snapshot: *description*

Explanation

An error resulting in the named description was detected during the preparation phase of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6254E: Error during creation of snapshot: *description*

Explanation

An error resulting in the named description was detected during the creation of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6255E: Error during verification of snapshot: *description*

Explanation

An error resulting in the named description was detected during the verification phase of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6256E: Error during write of meta-information: *description*

Explanation

An error resulting in the named description was detected during write of meta-information assigned to a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6257E: Error during retrieval of meta data: *description*

Explanation

An error resulting in the named description was detected during retrieval of meta data assigned to a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6258E: Error during query-initialization: *description*

Explanation

An error resulting in the named description was detected during the snapshot query-initialization phase.

System action

Check the logs for further information. After resolving the issue try again.

User response

FMM6259E: Error during retrieval of query information: *description*

Explanation

An error resulting in the named description was detected during retrieval of query information of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6260E: Error during end of query: *description*

Explanation

An error resulting in the named description was detected during the end of query for snapshot phase.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6261E: Error during start of restore: *description*

Explanation

An error resulting in the named description was detected during the start of the snapshot restore phase.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6262E: Error during restore: *description*

Explanation

An error resulting in the named description was detected during the restore of a snapshot backup.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6263E: Error during end of restore: *description*

Explanation

An error resulting in the named description was detected during finishing of a snapshot restore operation.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6264E: Error during start of delete: *description*

Explanation

An error resulting in the named description was detected during the start of the snapshot delete phase.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6265E: Error during end of delete: *description*

Explanation

An error resulting in the named description was detected during finishing of a snapshot delete operation.

System action

User response

Check the logs for further information. After resolving the issue try again.

FMM6266E: Restoring Oracle control files failed. Oracle control files are on raw volumes in the production server and those are supposed to be created manually

on the backup server. It failed because of either control files are not created on the backup server or created incorrectly. Please check log file '*filename*'.

Explanation

On the production server the Oracle control files reside on raw volumes. On the backup server they need to be restored in order to perform the backup to IBM Storage Protect. This process did fail.

System action

User response

Examine the content of the filename. It contains the output from the Oracle RMAN. A possible reason could be that the raw devices for the control files have not been created on the backup server.

FMM6267E: Restoring Oracle control files failed. Please check log file '*filename*'.

Explanation

On the backup server the Oracle control files need to be restored in order to perform the backup to IBM Storage Protect. This process did fail.

System action

User response

Examine the content of the filename. It contains the output from the Oracle RMAN.

FMM6268W: The lun '*lunname*' of failure group '*failuregroupname*' has not been found on the storage device.

Explanation

The specified lun has not been found on the currently selected storage device. If it is contained in a failure group you expect to reside on the selected storage device please ensure that it is available. If the failure group is not contained on the currently selected storage device you can ignore this message.

System action

Processing continues.

User response

Ensure that the specified lun exists on the storage device if you expect the failure group to reside on the currently selected DEVICE_CLASS in the profile.

FMM6269I: The diskgroup '*diskgroupname*' with '*redundancetype*' redundancy and '*failuregroupnumber*' failure groups has been partitioned with failure groups '*failuregroupnames*'.

Explanation

The specified diskgroup has been partitioned. In this message the found failure groups and the total number of failure groups is mentioned. It can be used to check if all failure groups which were expected to be included in the flashcopy are listed.

System action

Processing continues.

User response

None.

FMM6270E: INFILE name is required.

Explanation

For this function an INFILE name has to be specified either in the profile or via command line parameter.

System action

Processing ends.

User response

Either specify an INFILE parameter in the client section of the profile or add parameter -I <infile name> to the command.

FMM6271W: Specified partition(s) '*partition list*' already offloaded to IBM Storage Protect.

Explanation

The provided database partitions were already offloaded to IBM Storage Protect. The backup for those partitions will not be started again.

System action

Processing continues.

User response

Provide different partitions to be offloaded.

FMM6272I: Update snapshot backup with ID '*snapshot backup ID*'.

Explanation

The usability state of the given snapshot backup was updated successfully according the provided state parameter.

System action

Processing continues.

User response

None.

FMM6273E: Valid usability state values are 'yes' or 'no'.

Explanation

An invalid value was specified for the usability state.

System action

Processing ends.

User response

Specify either 'yes' or 'no' as a usability state value. Upper or lower case letters are allowed.

**FMM6274E: Operation failed because a resource is temporarily unavailable.
Please restart the operation.**

Explanation

The launchpad could not fulfil the service request due to unavailable resources.

System action

Processing ends.

User response

Ensure the launchpad was not stopped in the middle of a running operation. Check the logs for additional hints regarding the failure. After resolving the issue try again.

FMM6275E: The requested process can currently not be started.

Explanation

The launchpad could not fulfil the service request due to the requested process, either for mount vs. unmount or for offloaded tape backup could not be started.

System action

Processing ends.

User response

Check the logs for additional hints regarding the failure. After resolving the issue try again.

FMM6276E: Another mount agent service is currently running.

Explanation

The requested action could not be started due to another mount agent service (mount, unmount, tape backup) is currently running. Only one service at a time will be handled by a mount agent on a backup server.

System action

Processing ends.

User response

Wait until the currently running service is finished and try again.

FMM6277E: Partition '*partition number*' is already handled by the mount agent instance running on '*hostname*'.

Explanation

A partition can only be handled by a single mount agent instance.

System action

Processing ends.

User response

Check the environment on the backup system(s). Make sure the partition is only associated with a single mount agent instance on the backup system(s). There must be a one to one relation between the mount agent and a dedicated partition.

FMM6278E: No mount agent on a backup server is set up to handle partition '*partition number*' within the current operation. Make sure that the mount agent is started correctly and verify that the hostnames listed in db2nodes.cfg match with the hostname of the backup server. If the hostnames do not match, start the mount agent with the -H hostname option.

Explanation

A partition was detected that will not be handled by the mount agent(s) on the participating backup server(s). The mount agent(s) are set up by using the command option for partitions to be handled (-N). However, one (or more) partitions were not assigned to a corresponding mount agent. The corresponding mount agent is determined by comparing the hostnames from db2nodes.cfg file (in the DB2 instance directory) with the hostname of the backup server. This error message displays when these hostnames do not match.

System action

Processing ends.

User response

Check the environment on the backup system(s). Make sure the partition is only associated with a single mount agent instance on the backup system(s). If the hostnames in the db2nodes.cfg file (in the DB2 instance

directory) do not match the hostname of the backup server, start the mount agent with the -H hostname option and specify the hostname listed in the db2nodes.cfg file.

FMM6279E: No mount agent is setup on a backup server to handle the current operation. Make sure that the mount agent is started correctly.

Explanation

No mount agent (the process signature is: acsgen -D -M) on the participating backup server(s) was detected that could handle the current operation. This can also happen if the password for authentication to the ACS daemon was changed.

System action

Processing ends.

User response

Check the environment on the backup system(s) and make sure that the mount agent is started correctly. If you change the password for authentication to the ACS daemon at the production host, then you have to change the password on the backup host as well to match to the production host.

FMM6280E: A usability state argument is missing.

Explanation

The 'update_status' function requires a usability state argument.

System action

Processing ends.

User response

Specify a usability state argument.

FMM6281E: The usability state '*state*' is unknown or not supported.

Explanation

The specified usability state to be updated is either unknown or not supported.

System action

Processing ends.

User response

Specify a valid usability state and try again.

FMM6282E: query archive unsuccessful.

Explanation

The offload agent was unable to check for files that have already been archived before.

System action

Processing ends.

User response

The offload agent calls the dsmc query archive command which fails. Check the setup of your Backup Archive client and try again.

FMM6283E: offloaded tape backup unsuccessful.

Explanation

At least one error message occurred during offloaded tape backup.

System action

Processing ends.

User response

Review the dsmdir.log file (and dsmdir.log file for scheduled events) to check for error messages and their impact to the operation..

FMM6284W: offloaded tape backup successful with warnings.

Explanation

At least one warning message occurred during offloaded tape backup.

System action

none

User response

Review the dsmdir.log file (and dsmdir.log file for scheduled events) to check for warning messages and their impact to the operation..

FMM6285I: Start saving *file number* files ...

Explanation

Tape backup processing started.

System action

User response

None.

FMM6286E: The clone database name '*cloneSID*' has been specified multiple times in the profile. Please check the values of the keyword '*keyword*'.

Explanation

One clone database name has been specified multiple times for the specified profile keyword.

System action

Processing ends.

User response

Just specify each clone database name once for the specified profile keyword.

FMM6287E: The keyword '*keyword1*' instead of '*found_keyword*' is needed for the keyword '*keyword2*'."

Explanation

The specified keyword has been misspelled.

System action

Processing ends.

User response

Correct the specified keyword.

FMM6288E: The command line option -s <DEVICE_CLASS> is not allowed for function *function name*.

Explanation

For this function the command line option -s <DEVICE_CLASS> is not allowed.

System action

Processing ends.

User response

Restart the command without specifying the command line option -s <DEVICE_CLASS>.

FMM6289I: The '*datastore name*' data store was successfully added to the '*ESX host name*' ESX host.

Explanation

A data store was made available on the specified ESX host.

System action

Processing continues.

User response

No action is required.

FMM6290I: The '*datastore name*' data store was successfully unmounted from the '*ESX host name*' ESX host.

Explanation

A data store has been detached from the specified ESX host.

System action

Processing continues.

User response

No action is required.

FMM6291E: One or more Oracle control files are located outside ASM disk groups. The following Oracle control files are not located within ASM disk groups:
control file names

Explanation

There is an unsupported configuration with one or more Oracle control files that are located outside the ASM disk groups.

System action

Processing ends.

User response

Reconfigure the Oracle ASM environment so that all control files are stored on ASM disk groups.

BKI6292E: The Oracle version of this database, *version number*, does not meet the required version, 11gR2, for ASM database cloning with a SID different from the source database.

Explanation

To create a clone of an Oracle database located on a ASM volume manager, with a SID that is different from the source database, an Oracle database version 11.2 or later is required.

System action

Processing ends.

User response

Either create a clone database that has the same SID as the source database, or upgrade the Oracle database software to 11.2 or later.

BKI6293E: You cannot rename the ASM disk group *disk group name* as it is still mounted.

Explanation

You cannot rename the mounted ASM disk group. To rename an ASM disk group, it must be dismounted.

System action

Processing ends.

User response

Check why the ASM disk group is mounted. Unmount the disk group and try again.

BKI6294E: Execution was stopped. ASM disk group name *disk group name* on a clone system will exceed 30 bytes limit.

Explanation

System action

Processing ends.

User response

IBM Storage Protect Snapshot can not continue clone operation since it should generate disk group name for a clone database adding _CLONEDBSID to an original disk group name and this group name exceeds maximum allowed length (30 bytes). Decrease original database ASM disk group name or clone database SID in such way that resulting concatenation originaldbdiskgroup_cloneSID will not exceed the limit. Retry clone operation.

FMM6295E: Unable to rename disk group *old disk group name* to *new disk group name* because a disk group with the new name exists already.

Explanation

When you clone an Oracle ASM database the disk groups are renamed on the clone system to avoid name conflicts when multiple clones are created. The current action cannot be processed because a disk group with the name exists.

System action

Processing ends.

User response

Check which database the disk group with the new group name belongs to. If this disk group is a leftover from a previous cloning operation, you can delete it manually. Alternatively you can specify a different SID for the new clone database, or move the database with the disk group to another host.

FMM6296E: IBM Storage Protect does not back up multitenant container databases (CDB) or pluggable databases (PDBs).

Explanation

The backup operation for the CDB or PDB failed. Multitenant container databases that include one or more pluggable databases cannot be backed up by IBM Storage Protect.

System action

Processing stops.

User response

Create a non-container database, and continue to back up the data.

FMM6300E: An unnamed *section_type* section was not found in the profile.

Explanation

A required profile section as identified in the message, was not found in the IBM Storage Protect profile.

System action

Processing stops.

User response

Configure the IBM Storage Protect instance and provide the missing information for the profile.

Tip: Consider using the **-U** parameter.

FMM6301W: An unnamed *section_type* section was not found in the profile.

Explanation

A profile section as identified in the message, was not found in the IBM Storage Protect profile. The missing information may be optional for the current operation.

System action

Processing continues.

User response

If the IBM Storage Protect operation can be completed without the missing information, no action is required. If subsequent messages indicate that configuration information is missing, configure the IBM Storage Protect instance and provide the missing information for the profile.

FMM6302E: *section_type* section named *section_name* was not found in the profile.

Explanation

A required profile section as identified in the message, was not found in the IBM Storage Protect profile.

System action

Processing stops.

User response

Configure the IBM Storage Protect instance and provide the missing information for the profile.

FMM6303W: *section_type* section named *section_name* was not found in the profile.

Explanation

A profile section as identified in the message, was not found in the IBM Storage Protect profile. The missing information may be optional for the current operation.

System action

Processing continues.

User response

If the IBM Storage Protect operation can be completed without the missing information, no action is required. If subsequent messages indicate that configuration information is missing, configure the IBM Storage Protect instance and provide the missing information for the profile.

FMM6304E: Two or more unnamed sections of type *section_type* were found in the profile.

Explanation

If an unnamed section of the named type is found in the IBM Storage Protect profile it must be the only section of this type.

System action

Processing stops.

User response

Configure the IBM Storage Protect instance and provide section names as appropriate.

FMM6305E: Two or more *section_type* sections with the name '*section_name*' were found in the profile.

Explanation

Sections of the same type in the IBM Storage Protect profile must have different names.

System action

Processing stops.

User response

Configure the IBM Storage Protect instance and provide section names as appropriate for the profile.

FMM6306I: The operation was started for a client with name '*section_name*'.

Explanation

A profile CLIENT or CLONING section name that is identified in the message will be used to run the current operation.

System action

Processing continues.

User response

None

FMM6307E: Named and unnamed '*section_name*' sections were found in the profile.

Explanation

There are named and unnamed sections in the profile as identified in this message. This configuration will not work. There must only be one occurrence of an unnamed section in the IBM Storage Protect profile and it must be the only section of this type.

System action

Processing stops.

User response

Configure the IBM Storage Protect instance and provide section names as appropriate.

FMM6501I: Initializing '*function*' request.

Explanation

The offload agent will be initialized for a new function request.

System action

User response

None.

FMM6502I: Executing '*function*' request.

Explanation

The offload agent is executing a function request.

System action

User response

None.

FMM6503I: Terminating '*function*' request.

Explanation

The offload agent is terminating a function request. This also includes a cleanup of required resources.

System action

User response

None.

FMM6504E: The '*function*' request failed.

Explanation

The request for the named function failed unexpectedly.

System action

Processing ends.

User response

See the IBM Storage Protect Snapshot log files on the production and backup servers for further details. The log files are in the ACS_DIR/logs directory. After you resolve the problem, start the operation again. and respond to any error messages found there.

FMM6505E: Forced '*function*' requires the instance, database, and backup ID filter arguments.

Explanation

If a function is started with the option '-F' (forced) the filter arguments for the instance, database and snapshot backup ID must also be specified. Specifying these arguments ensures that the workflow is applied to one specific snapshot backup only.

System action

Processing ends.

User response

Specify the instance (-i), database (-d), and backup ID (-B) filter arguments.

FMM6506I: Backup *backup id* was created with option TSM_ONLY. It is marked for deletion after the first IBM Storage Protect backup attempt.

Explanation

The backup corresponding to <backup id> has been deleted. This is because the backup was made with TSM_BACKUP option TSM_ONLY and the IBM Storage Protect backup associated with this snapshot image has recently completed (successfully or unsuccessfully).

System action

User response

None.

FMM6507E: Function '*function*' is not supported.

Explanation

The function request is not supported by the offload agent.

System action

User response

Check the specified function.

FMM6508I: Initializing partition(s) '*partitions(s)*' of database '*database name*' as *type*.

Explanation

The participating database partitions will be initialized on the target system. Valid initialization types are snapshot, standby and mirror.

System action

None.

User response

FMM6509E: Failed to initialize partition '*partition(s)*' of database '*database name*'.

Explanation

The offload agent was not able to initialize one or more database partitions.

System action

User response

Check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6510I: Partition(s) '*partition list*' of database '*database name*' initialized successfully.

Explanation

The participating database partitions were initialized successfully.

System action

User response

None.

FMM6511E: A backup-ID option must not be specified when starting the off-loaded backup.

Explanation

A backup ID was specified when you used the "tape_backup" function to request an off-loaded backup. The data to be off-loaded is typically under the control of a versioning mechanism of either the backup mover or IBM Storage Protect. Backups that are queued for off-loading are processed in the order that is required by this mechanism. A specific backup cannot be selected for this purpose. Therefore, a specific backup cannot be selected when you request an off-loaded backup.

System action

Processing ends.

User response

Do not specify a backup ID (options -B or -T) in combination with the function "tape_backup".

FMM6512I: The '*function*' request for database '*database name*' with partitions (*partition(s)*) processed successfully.

Explanation

The selected function for the participating partitions of a database was processed successfully.

System action

User response

None.

FMM6513I: The resources of database '*database name*' with partitions (*partition(s)*) are already mounted.

Explanation

All required file systems are already mounted on the target system.

System action

User response

None.

FMM6514E: The specified filter did not result in a match in the snapshot repository.

Explanation

The repository does not contain a snapshot backup that can be associated with the given filter arguments.

System action

User response

Check all specified filter arguments and try again.

FMM6515E: A snapshot backup currently offloaded to tape is no longer mounted.

Explanation

A tsm4acs tape_backup workflow consists of the steps: mount, tape backup, unmount. When entering the unmount-phase, tsm4acs could not find the snapshot backup that was just backed up to tape. In principle, the tape backup might have finished successfully but some kind of a failure was detected that prevents the tape_backup cleanup phase from completing.

System action

User response

Check the tsm4acs log as well as the appropriate device agent log for further details.

FMM6516E: Another '*function*' request for a snapshot backup is already running.

Explanation

tsm4acs has detected that another request, such as mount or tape_backup, for a snapshot backup is running.

System action

User response

A new tsm4acs request can only be started if the old request has finished.

FMM6517I: A snapshot backup is already mounted.

Explanation

The tsm4acs mount-request will not be executed due to an already mounted snapshot backup on the offload system.

System action

User response

None.

FMM6518I: No snapshot backup is currently mounted.

Explanation

The tsm4acs unmount-request will not be executed because there is currently no snapshot backup mounted on the offload system.

System action

User response

None.

FMM6519I: There is no snapshot backup currently pending to be offloaded to tape.

Explanation

The 'tape_backup' request cannot be executed because there is no snapshot backup in the TAPE_BACKUP_PENDING state.

System action

Processing ends.

User response

No action is required.

FMM6520I: Starting database instance '*instance name*'.

Explanation

The database instance on the target system will be started.

System action

User response

None.

FMM6521I: Database instance '*instance name*' was started successfully.

Explanation

The database instance on the target system was started.

System action

User response

None.

FMM6522W: Database instance '*instance name*' already started.

Explanation

The database instance on the target system is already running.

System action

User response

The offload agent workflow should not be affected. In general, no action is required.

FMM6523E: Database instance '*instance name*' could not be started.

Explanation

The database instance on the target system could not be started.

System action

User response

Check the DB2 diagnostic log (db2diag.log) for further details.

FMM6524I: Stopping database instance '*instance name*'.

Explanation

The database instance on the target system will be stopped.

System action

User response

None.

FMM6525I: Database instance '*instance name*' was stopped successfully.

Explanation

The database instance on the target system was stopped.

System action

User response

None.

FMM6526W: Database instance '*instance name*' already stopped.

Explanation

The database instance on the target system was already stopped.

System action

User response

Check the DB2 diagnostic log (db2diag.log) for indication of whether an unexpected failure was the cause. Also check the tsm4acs log for indications that the workflow, which includes shutdown of the database instance on the target system, reported unexpected failures.

FMM6527E: Database instance '*instance name*' could not be stopped.

Explanation

The database instance on the target system could not be stopped.

System action

User response

Check the DB2 diagnostic log (db2diag.log) for further details.

FMM6528E: The file containing the list of partitions and hosts to be off-loaded could not be created.

Explanation

The 'rah' host file is used by DB2 to determine the database partitions that must be processed in a DPF environment. By default, this file is 'db2nodes.cfg'. tsm4acs uses a temporary 'rah' host file to be able to handle only a subset of partitions.

System action

User response

The temporary 'rah' host file used by tsm4acs will be created under '\$HOME/sqllib', where \$HOME is the home directory of the DB2 instance owner. Ensure that the appropriate permissions are set and enough free space is available.

FMM6529I: Database instance '*db instance*' already started.

Explanation

System action

User response

FMM6530E: The default database path could not be determined.

Explanation

The value of the default database path (DFTDBPATH) stored in the database manager configuration could not be retrieved.

System action

User response

Check the DB2 diagnostic log (db2diag.log) for details. Further, verify the database manager configuration to be issued by the DB2 instance owner as follows: db2 get dbm cfg | grep DFTDBPATH. Also for a more detailed analysis, enable the trace facility for the offload agent and re-execute the function.

FMM6531I: Cataloging database '*database name*' on path '*path*'.

Explanation

The database on the target system will be cataloged.

System action

User response

None.

FMM6532I: Database '*database name*' on path '*path*' cataloged successfully.

Explanation

The database on the target system was cataloged successfully.

System action

User response

None.

FMM6533E: Failed to catalog database '*database name*' on path '*path*'.

Explanation

The database on the target system could not be cataloged.

System action

User response

Check the DB2 diagnostic log (db2diag.log) for further details. Additionally, for a more detailed analysis enable the trace facility of the offload agent and re-execute the function.

FMM6534E: A snapshot backup is already mounted.

Explanation

A mount-request is not executed because a snapshot backup is already mounted on the offload system.

System action

Processing ends.

User response

Unmount the previously mounted backup, then start the mount request again.

FMM6535E: The snapshot backup with ID '*identifier*' does not qualify for restore operations.

Explanation

Due to its characteristics the specified snapshot backup can not be restored. Common reasons are the copy type of the flashcopy is NOCOPY or the background copy operation has not been finished yet.

System action

Processing ends.

User response

Use a different backup for the restore operation or wait until the background copy has been completed or use the force option to enforce a reversal of the direction of the copy relation (not supported by all storage devices).

FMM6536W: The '*vm name*' virtual machine is ignored and cannot be part of the backup since it is not connected to the vCenter server.

Explanation

The specified virtual machine is not connected to the vCenter server and cannot be included in the backup. It will not be restorable.

System action

Processing continues.

User response

Connect the virtual machine or exclude it from the backup to get rid of this warning.

FMM6537I: Database '*database name*' on path '*path*' already cataloged.

Explanation

The database on the target system was already cataloged.

System action

User response

None.

FMM6539W: The retry threshold for the snapshot backup was exceeded.

Explanation

If tsm4acs is running in the daemon mode (-D), only one attempt will be made to offload a tape from a snapshot backup. This restriction was imposed to prevent an excessive number of offload retries for a snapshot backup.

System action

User response

A snapshot backup for which the retry threshold was exceeded can only be offloaded to tape using the manual mode of tsm4acs (-f tape_backup).

FMM6540I: *Start time*: Starting backup of database '*database name*', partition(s) '*partition(s)*' with the following options: METHOD *offload backup method* SESSIONS *number of sessions* OPTIONS *options* BUFFERS *number of buffers* BUFFERSIZE *buffer size* PARALLELISM *degree of DB2 parallelism*

Explanation

The off-loaded tape backup was started using the 'db2 backup database' command. The set of listed backup parameters gives a brief summary about the options and values that were used for the backup.

System action

User response

None.

FMM6541I: End_time Instance Database Partition Snapshot_ID Tape_backup_ID

Explanation

The backup is finished. A backup result table for all participating partitions of the database will be generated.

System action

User response

None.

FMM6542I: *end timeinstance namedatabase namepartitionsnapshot idtape backup id*

Explanation

One entry of the backup result table reflects one partition of the database. The backup for a database partition succeeded if a valid tape backup ID (DB2 tape backup timestamp) was inserted. If the tape backup for a partition failed, the tape backup ID is set to '-'.

System action

User response

None.

FMM6543E: The disks could not be attached to the requested target virtual machine: '*vm name*'. Please make sure to use the ESX host where the target virtual machine is running as auxiliary ESX host. ESX host '*esx hostname*' has been used for this operation.

Explanation

The disks could not be attached to the specified target virtual machine.

System action

Processing ends.

User response

Ensure to use the ESX host where the specified target virtual machine is running as auxiliary ESX host.

FMM6544I: Snapshot backup suspend time: *suspend time*

Explanation

The snapshot backup suspend time specifies the minimum recovery time for all participating partitions.

System action

User response

None.

FMM6545I: Write control file *ctrlfile*

Explanation

The offload agent is writing the Oracle control file to a local file system.

System action

User response

None.

FMM6546I: Write database parameter file *parameter file*

Explanation

The offload agent is writing the database parameter file to a local file system.

System action

User response

None.

FMM6547I: Do not overwrite database parameter file.

Explanation

The offload agent will not overwrite the database parameter file.

System action

User response

None.

FMM6548I: Start backup of database instance '*instance*'.

Explanation

The offloaded tape backup of the named database instance was started.

System action

User response

None.

FMM6549I: Finished backup of database instance '*instance*' successfully.

Explanation

The offloaded tape backup of the named database instance finished successfully.

System action

User response

None.

FMM6550I: Resetting the database logs to prepare the change of the database id.

Explanation

In order to enable the change of the database id the database is brought into a consistent state by resetting the logs.

System action

Processing continues.

User response

None.

FMM6551I: Changing the database id. This will stop the database.

Explanation

In order to create a unique clone of the database the database id is going to be changed. After this process the database will be stopped and may be restarted by IBM Storage Protect Snapshot to continue with further steps.

System action

Processing continues.

User response

None.

FMM6552I: Successfully changed database id from *old database id* to *new database id*.

Explanation

The database id has been changed as part of the cloning operation. For reference the old and new value are displayed.

System action

Processing continues.

User response

None.

FMM6553E: Failed to changed database id. This is the output of the failed command:*error output*

Explanation

The attempt to change the database id has failed. The output of the operation is shown below this message.

System action

Processing ends.

User response

Check the output of the failed operation to determine the root cause. Perform corrective actions and try again.

FMM6554E: The original virtual machine with instance UUID '*target instance uuid*' is needed for this single disk restore operation but was not found. Please specify a target virtual machine.

Explanation

The original virtual machine with the specified instance UUID is needed for this single disk restore operation but was not found.

System action

Processing ends.

User response

Specify a valid target virtual machine or make the original virtual machine with the specified instance UUID available.

FMM6555I: Selected snapshot backup with ID '*id*'.

Explanation

The snapshot backup with the named id was selected to work with. The format of a snapshot id in that context is: <instance>,<database>,<timestamp>.

System action

User response

None.

FMM6556E: Failed to retrieve meta data.

Explanation

The metadata assigned to a snapshot backup could not be retrieved.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6557I: The '*function*' request for database '*dbname*' processed successfully.

Explanation

The offload agent has completed the named function successfully.

System action

User response

None.

FMM6558I: The resources of database '*dbname*' are already mounted.

Explanation

The offload agent has detected that all required resources of the named database are already mounted.

System action

User response

None.

FMM6560E: Backint could not be found at '*directory*'.

Explanation

The offload agent was unable to find the backint executable file needed for offloading the data to IBM Storage Protect.

System action

User response

The offload agent expects the backint executable at the default IBM Storage Protect for ERP installation location. Ensure that backint can be found accordingly and try again.

FMM6561W: Failed to initialize partition '*partition(s)*' of database '*database name*'. Restore remaining partitions.

Explanation

The offload agent was not able to initialize one or more database partitions.

System action

Processing continues.

User response

Restore the remaining partitions. If all partitions are restored and this warning persists check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6562I: Changing the database shared memory of partition(s) '*partitions(s)*' of database '*database name*' to *size*.

Explanation

The size of the database shared memory of the participating database partitions will be changed on the target system.

System action

None.

User response

FMM6563E: Failed to change the size of the database shared memory of partition '*partition(s)*' of database '*database name*'.

Explanation

The offload agent was not able to change the size of the database shared memory one or more database partitions.

System action

User response

Check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6564I: Successfully changed the size of the database shared memory of Partition(s) '*partition*' of database '*database*'.

Explanation

The size of the database shared memory of the participating database partitions were changed successfully.

System action

User response

None.

FMM6565E: Another operation of IBM Storage Protect Snapshot is preventing access to this backup.

Explanation

Another operation has the access to this backup and it is preventing the current function to be executed.

System action

Processing stops.

User response

Verify the summary log and retry the call of the function.

FMM6566E: The '*option*' option is not supported by the '*function*' operation.

Explanation

An option that is specified in the command line is not supported by the operation named.

System action

Processing ends.

User response

Check the command syntax and use only the options that are supported by the operation requested.

FMM6567E: More than one database is in the database instance '*instance_name*'. Specify the name of the database to be processed via the '-d' option of script 'fcmprreqchecker.sh'.

Explanation

If two or more databases are in the database instance, the database to be processed by IBM Storage Protect Snapshot must be explicitly specified.

System action

Processing ends.

User response

Check the command syntax and specify the database to be processed.

FMM6568E: The binary '*binary_name*' was not found in the path of the user '*username*'.

Explanation

The named binary is expected in the path of the user, but was not found.

System action

Processing ends.

User response

Ensure that the environment is set up correctly for the user ID named.

FMM6570E: The '*name*' name is unavailable. You must specify another name.

Explanation

The section name must be unique. You cannot reuse the name of an existing section.

System action

Processing continues

User response

Choose a different section name.

FMM6571E: When the system was trying to determine the database instance path, an error occurred: *error_information* Check whether the DB2 instance is set up correctly.

Explanation

However, an unexpected condition was detected that prevented the system from determining the database instance path.

System action

Processing ends.

User response

Check the error information that is given in the message and resolve the problem. Restart the operation.

FMM6572E: Error code *return_code* was returned from shell command '*command*'. Command output:*command_output* Output from shell:*shell_output*

Explanation

A shell command ended with an error.

System action

Processing ends.

User response

Check the return code and the command and shell output information. Resolve the issue. Restart the operation.

FMM6573E: No valid application environment was discovered for the user '*user*'.

Explanation

A valid application environment was not detected for the user. The named user ID must be an owner of an Oracle database or of a DB2 instance.

System action

Processing ends.

User response

Check the environment of the user ID named. Check the environment for the user ID, and ensure that a valid database or instance owner is passed to IBM Storage Protect Snapshot Prerequisite Checker.

FMM6574W: The task progress cannot be displayed or updated because the following problem occurred: *error*

Explanation

The problem indicates that the task progress cannot be created or updated in the vCenter Server.

System action

Processing continues.

User response

No action is required.

FMM6575E: The file '*filename*' is not located in an ASM disk group.

Explanation

All files belonging to an ASM database must be located in ASM disk groups.

System action

The layout check fails.

User response

Ensure that all files of the ASM database are located in ASM disk groups.

FMM6576E: Control file '*filename*' is located in data file disk group '*diskgroup*'.

Explanation

Control files must be located in a separate disk group from the data files.

System action

The layout check fails.

User response

Ensure that control files are located in a separate disk group from the database data files.

FMM6577E: Redo log file '*filename*' is located in data file disk group '*diskgroup*'.

Explanation

Redo log files must be located in a separate disk group from the data files.

System action

The layout check fails.

User response

Ensure that redo log files are located in a separate disk group from the database data files.

FMM6600E: Unexpected error during '*function*'.

Explanation

The offload agent has terminated unexpectedly due to an internal error while executing either a mount or an unmount request.

System action

User response

Check the logs of the involved components (management agent, offload agent, device agent) for further details and descriptions regarding the failure.

FMM6601W: The '*ds name*' datastore with the '*vm names*' virtual machines is ignored and cannot be part of the backup since it has the type *type* that is not supported.

Explanation

The specified virtual machine or datastore cannot be part of a backup.

System action

Processing continues.

User response

Specify a virtual machine or datastore that has a supported type such as VMFS or NFS.

FMM6602W: The virtual disk '*disk name*' of the virtual machine '*VM name*' exists in a *type* datastore that is not supported. This virtual machine will be excluded from the backup.

Explanation

The specified virtual machine or datastore cannot be part of a backup.

System action

Processing continues.

User response

Specify a virtual machine or datastore that has a supported type such as VMFS or NFS.

FMM6603W: The '*ds name*' virtual machine is ignored and cannot be part of the backup since it is a placeholder entity that is managed by VMWare Site Recovery Manager (SRM).

Explanation

The specified virtual machine cannot be part of the backup operation. This virtual machine is a placeholder that is part of a VMWare Site Recovery Manager (SRM) protection group on the protected vCenter server.

System action

Processing continues.

User response

Specify a virtual machine that is not defined as an a VMWare Site Recovery Manager (SRM) placeholder and try the operation again.

FMM6604I: The tablespace format check verifies that all database tablespace formatting is supported by IBM Storage Protect Snapshot.

FMM6606I: The following files do not belong to the application: *file names* The extra files must be added to the IBM Storage Protect Snapshot negative list.

Explanation

System action

User response

remove the files, or save them in a different directory. Alternatively, add the files to the IBM Storage Protect Snapshot negative list and retry the backup operation.

FMM6608E: The following tablespaces are not supported: *tablespace names*

Explanation

Unsupported tablespaces have been found. The following formats are supported: - DMS tablespaces - SMS tablespaces for system or user temporary tablespaces - automatic storage tablespaces for DB2.

System action

The tablespace check fails.

User response

Migrate or remove the unsupported tablespaces, and rerun the check.

FMM6609I: The extra-files check (fcm.extrafiles) verifies that only database-related files are located on the ASM database disk groups.

FMM6610I: The ASM instance check (fcm.is_asm_instance) validates if the database instance is an Oracle ASM instance

FMM6611I: The Disks on the same Storage Type check (fcm.same_storage_type) validates if the disks where the database is stored, are located on a single type of Storage System.

FMM6612E: The disks where the database is stored are located on different types of storage systems: *Storage System Types List*

Explanation

The disk where the database is stored must be on a single storage system.

System action

The Disks on the same Storage Type check failed.

User response

Make sure that the database is stored on a single storage system.

FMM6613E: The disk where the database partition *partition* is stored are on different types of storage systems as follows: *Storage System Types List*

Explanation

The disk where the database partition is stored, must be on a single storage system.

System action

The Disks on the same storage type check failed.

User response

Make sure that database partitions are located on a single storage system.

FMM6614I: The Disks on the same Storage Device check (fcm.same_storage_device) validates if the disks where the database is stored, are located on a single Storage System.

FMM6615E: The disks where the database is stored are distributed over more than one storage system. List of Storage System IDs: *Storage System ID list*

Explanation

The disk where the database is stored must be on a single storage system.

System action

The Disks on the same storage device check failed.

User response

Make sure that the database is stored on a single storage system.

FMM6616E: The disks where the database partition *partition* is stored are on different storage systems: List of Storage System IDs: *Storage System Types List*

Explanation

The disks where the database partition is stored must be on a single storage system.

System action

The Disks on the same storage device check failed.

User response

Make sure that each database partition is on a single storage system.

FMM6617W: The Disks on the same storage device check (fcm.same_storage_device) cannot be run for non-IBM and N-Series storage devices. In these cases, this check must be run manually. For information about this check, see the Pre-Installation Checklist PDF.

Explanation

The fcm.same_storage_device check can only be run for IBM storage devices, such as XIV, DS8000 and SVC/Storwize.

System action

The check cannot be run, and a warning is issued.

User response

Run the check manually with the Pre-Installation Checklist PDF.

FMM6618E: The disks where the ASM failure group *failure_group* included in ASM diskgroup *Diskgroup* are stored, are on different types of storage systems as follows: *Storage System Types List*

Explanation

All disks that belong to the same ASM failure group must be on a single storage system.

System action

The Disks on the same Storage Type check failed.

User response

Make sure that the ASM failure group is stored on a single storage system.

FMM6619E: The disks where the ASM failure group *failure_group* included in ASM Diskgroup *Diskgroup* are stored, are distributed over more than one storage system as follows: *Storage System Types List*

Explanation

The disk where the ASM failure group is stored must be on a single storage system.

System action

The Disks on the same Storage Type check failed.

User response

Make sure that the ASM failure group is stored on a single storage system.

FMM6620E: The disks where the ASM diskgroup *Diskgroup* are stored, are distributed over more than one storage system as follows: *Storage System Types List*

Explanation

The disk where the ASM failure group is stored must be on a single storage system.

System action

The Disks on the same Storage Type check failed.

User response

Make sure that the ASM failure group is stored on a single storage system.

FMM6621E: The disks where the ASM diskgroup *Diskgroup* are stored, are on different types of storage systems as follows: *Storage System Types List*

Explanation

All disks that belongs to the same ASM failure group must be on a single storage system.

System action

The Disks on the same Storage Type check failed.

User response

Make sure that the ASM failure group is stored on a single storage system.

FMM6622E: No database was found in instance '*instance name*' owned by '*user*'.

Explanation

IBM Storage Protect Snapshot is using the userid specified by the customer to determine the database instance. It is trying to find the database it shall operate on in the instance named. However, a database is not found.

System action

Processing ends.

User response

Check whether the correct userid was passed to IBM Storage Protect Snapshot. Check whether the instance owned by the named user contains the database IBM Storage Protect Snapshot is supposed to work on.

FMM6623E: The '*parameter name*' parameter is no longer supported. Run the setup script from within your instance as application owner, and choose to modify the profile. Step through all the parameters. Your profile will be automatically updated with new and changed parameters.

Explanation

The specified parameter name is no longer supported. Either it was removed or renamed. The profile must be updated.

System action

The operation fails.

User response

Run the setup script from within your instance as application owner, and choose to modify the profile. Step through all the parameters. Your profile will be automatically updated with new and changed parameters.

FMM6624E: The database configuration parameter '*parameter name*' could not be set to '*parameter value*' for partition(s) '*partition list*' of database '*database name*'.

Explanation

A modification to the database configuration did not succeed.

System action

Processing stops.

User response

Check for previous error messages related to the change. If any messages have occurred, take the appropriate corrective action and try the operation again.

FMM6625I: The database configuration parameter '*parameter name*' was successfully set to '*parameter value*' on partition(s) '*partition list*' of database '*database name*'.

Explanation

The database configuration was changed successfully.

System action

Processing continues.

User response

None.

FMM6801E: DB2 Library not specified

Explanation

IBM Storage Protect Snapshot tries to load the DB2 API library specified by the DB2_LIBRARY parameter. However the value of the parameter is empty or invalid.

System action

Processing stops.

User response

Verify the value of the DB2_LIBRARY parameter in the profile.

FMM6802E: Failed to load DB2 library '*library name*' dlopen error: *dlopen error*

Explanation

An error occurred when loading the DB2 API library. A text description displays.

System action

Processing stops.

User response

Verify that the DB2_LIBRARY profile parameter contains the fully qualified name of the DB2 API library.
Evaluate the error description.

FMM6803E: DB2 Library '*library name*' could not be loaded.

Explanation

An error occurred when attempting to load the DB2 API library. See the previous error.

System action

Processing stops.

User response

See the previous error descriptions.

**FMM6804E: DB2 Library symbols '*library name*' could not be loaded: rc _
*return code***

Explanation

IBM Storage Protect Snapshot was not able to load the API functions from the DB2 API library specified by the DB2_LIBRARY parameter.

System action

Processing stops.

User response

Verify that the DB2_LIBRARY parameter contains the correct DB2 API library.

FMM6805I: The production TCP/IP node '*tcp node*' will be cataloged.

Explanation

The production node directory was cataloged because it was empty or it was not found.

System action

Processing continues.

User response

None.

FMM6806E: Unable to catalog production TCP/IP node '*tcp node*' as '*node alias*'.

Explanation

An error occurred while cataloging this TCP/IP node using the specified node alias. Check the db2diag.log file for more details.

System action

Processing stops.

User response

Evaluate the error in the the db2diag.log file.

FMM6807I: The production TCP/IP node '*tcp node*' has been cataloged successfully as '*node alias*'.

Explanation

The node was cataloged successful.

System action

Processing continues.

User response

None.

FMM6808I: The production database '*database name*' will be cataloged.

Explanation

The production database will be cataloged in the database directory on the system.

System action

Processing continues.

User response

None.

FMM6809E: Unable to catalog production database '*database name*' as '*new database name*'.

Explanation

The database could not be cataloged on the target system.

System action

Processing ends.

User response

Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resolving the cause of the error.

FMM6810I: The production database '*database name*' has been cataloged successfully as '*new database name*'.

Explanation

The database has been cataloged successfully on the target system.

System action

Processing continues.

User response

None.

FMM6811E: Parsing error in file '*filename*' at line '*line number*' at position '*position*'. Expected one of '*valid possibilities*' but found '*line*'.

Explanation

System action

Processing ends.

User response

FMM6812E: Unable to connect to the production database '*database name*'.

Explanation

A connection to the production database was not established. This can be caused by incorrect user rights or by the database instance not being started.

System action

Processing ends.

User response

Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resolving the cause of the error.

FMM6813E: Unable to disconnect from the production database '*database name*'.

Explanation

The product was unable to disconnect from the production database.

System action

Processing ends.

User response

Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resolving the cause of the error.

FMM6814I: A attachment to the production database instance '*database instance*' has been made.

Explanation

The client has successfully attached to the production database instance.

System action

Processing continues.

User response

None.

FMM6815I: A connection to the production database '*database name*' has been made.

Explanation

The client has successfully connected to the production database.

System action

Processing continues.

User response

None.

FMM6816I: TBS container name=*tablespace container name*

Explanation

The tablespace container was detected.

System action

Processing continues.

User response

None.

FMM6817E: Tablespace container '*tablespace container name*' is in exception state.

Explanation

The tablespace container is in a state (such as OFFLINE) that prevents further processing.

System action

Processing ends.

User response

Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resolving the cause of the error.

FMM6818I: Set client connection to Node '*node number*'.

Explanation

Connects are set for the client process using the specified node.

System action

Processing continues.

User response

None.

FMM6819E: No data was obtained from Database Monitor.

Explanation

Snapshot information from the database manager operational status was not collected.

System action

Processing ends.

User response

Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resolving the cause of the error.

FMM6820E: The '*hostname*' ESX server has not been found in the vCenter server.

Explanation

The specified ESX host cannot be found in the vCenter server.

System action

Processing ends.

User response

Specify another ESX host.

FMM6821E: Attachment to the production DB2 instance for user *user* failed. Verify that the database manager on the production system has started.

Explanation

The attachment of the instance user to the production DB2 instance failed.

System action

Operation fails.

User response

Verify that the database manager on the production system has started.

FMM6822E: Some tablespace containers are in an exception state.

Explanation

Some DB2 tablespace containers are in an exception state.

System action

Operation fails.

User response

Check the db2diag.log file for more details about this error. Try the operation again after the cause of this error has been corrected.

FMM6823I: The attachment to the production database instance '*database instance*' has been detached.

Explanation

System action

User response

FMM6824I: The connection to the production database '*database name*' has been disconnected.

Explanation

The connection to the production database has been disconnected.

System action

No specific system behavior.

User response

None.

FMM6825E: A DB2 API call failed with the following error: *error code*

Explanation

A call to the DB2 API failed. The error code is given with this message.

System action

Operation failed.

User response

Check the db2diag.log file for more details and refer to the DB2 user manual regarding this DB2 error code.

FMM6826E: DB2 Library '*library name*' could not be unloaded.

Explanation

Unable to unload the DB2 library.

System action

Operation fails.

User response

Check the application logs and db2diag.log files for more details about this error.

FMM6827E: Tablespace '*tablespace*' is in state '*state*'. Snapshot backup is not possible.

Explanation

The current state of the tablespace does not allow a snapshot backup to occur.

System action

Operation fails.

User response

Change the tablespace to a NORMAL or BACKUP PENDING state and run the operation again.

FMM6828E: Some tablespaces are not in 'NORMAL' state. Snapshot backup is not possible.

Explanation

A snapshot backup cannot be taken unless some tablespaces are in a NORMAL state.

System action

Operation fails.

User response

Change the tablespaces to a NORMAL state and run the operation again.

FMM6829I: Connecting to the production database '*database name*' ...

Explanation

A connection to the production database will be established.

System action

No specific system behavior.

User response

None.

FMM6830I: Disconnecting from the production database '*database name*' ...

Explanation

Disconnecting from the production database.

System action

No specific system behavior.

User response

None.

FMM6831I: Attaching to the production database instance '*database instance*' ...

Explanation

Attaching to the production database instance.

System action

No specific system behavior.

User response

None.

FMM6832I: Detaching from the production database instance '*database instance*' ...

Explanation

The production database instance has been detached.

System action

No specific system behavior.

User response

None.

FMM6833E: The RMAN executable was not found or is not executable by the current user. Could not verify the connection to the Oracle catalog database.

Explanation

Either the current user ID is not an Oracle user or the Oracle environment variables are not set correctly.

System action**User response**

Verify that you are logged in as the database instance user and that your environment variables are correctly specified.

FMM6901I: Response to Init request.

Explanation

This message indicates the progress of the flow within the device agent.

System action**User response**

None.

FMM6902I: Response to Partition request.

Explanation

This message indicates the progress of the flow within the device agent.

System action

User response

None.

FMM6903I: Response to Prepare Flash request.**Explanation**

This message indicates the progress of the flow within the device agent.

System action**User response**

None.

FMM6904I: Response to Restore request.**Explanation**

This message indicates the progress of the flow within the device agent.

System action**User response**

None.

FMM6905I: Response to Flash request.**Explanation**

This message indicates the progress of the flow within the device agent.

System action**User response**

None.

FMM6906I: Response to Verify request.**Explanation**

This message indicates the progress of the flow within the device agent.

System action**User response**

None.

FMM6907I: Response to Complete Restore request.

Explanation

This message indicates the progress of the flow within the device agent.

System action

User response

None.

FMM6908I: Response to Expiration request.

Explanation

This message indicates the progress of the flow within the device agent.

System action

User response

None.

FMM6909I: Response to Monitor request.

Explanation

This message indicates the progress of the flow within the device agent.

System action

User response

None.

FMM6910E: Could not set user ID to *userid*. Error *error* - *errmsg*.

Explanation

The user id of the device agent process could not be switched internally to the named user id.

System action

User response

Check the permissions of the binary and try again.

FMM6911E: The effective user ID *userid* of the process could not be set to the user *userid*. Error *error* - *error_msg*. Check that the device agent executable has the s-bit set.

Explanation

Due to insufficient permissions of the device agent executable, the user id of the device agent process could not be switched internally to the named user id.

System action

User response

Check that the device agent binary has the s-bit set and try again.

FMM6912E: Background operation shutting down in order to give precedence to a concurrent operation.

Explanation

A background operation is ending because some interactive operation using the same resources was started. Once the operation taking precedence has ended, the background operation is resumed.

System action

User response

None.

FMM6913E: Wrong parameter provided with option '-c'.

Explanation

A program was called with an unsupported parameter value.

System action

User response

If the program was called from the command line or from a script, correct the call. Otherwise, contact your IBM support personnel.

FMM6914E: Invalid option '-K' specified.

Explanation

A program was called with an unsupported parameter value for the internal option '-K'.

System action

User response

If the program was called from the command line or from a script, correct the call. Otherwise, contact your IBM support representative.

FMM6915E: Could not change directory to *path*.

Explanation

An executable file needs to change to the named working directory, however, changing to the directory did not succeed.

System action

User response

Make sure authorization is set correctly for the executable file to access the required path.

FMM6916E: Program *program*, function *function*: received signal *signal*, exiting.

Explanation

The program received a signal that forces the operation to end.

System action

Operation fails.

User response

Run the last operation again.

FMM6917E: Failed to find volume group for file: *path*

Explanation

The file named could not be located. Its file system or volume group could not be determined.

System action

User response

Make sure that the database meets the requirement for snapshot backups. Make sure that the data is located on a file system under the control of the storage device.

FMM6918E: Error when reading the correlation list or during the FlashCopy of the volume pairs.

Explanation

A problem occurred either while reading the correlation list or while flashing the volume pairs.

System action

User response

Check the relations of the (source/target) volume pairs.

**FMM6919E: Failed to cancel the copy relationship of volume pairs:
*rc=return_code.***

Explanation

Withdrawing the copy relations of the determined volume pairs failed.

System action

User response

Check the log and trace files for details.

**FMM6920E: After 'withdraw done' was finished the update of the IDS repository
failed: *rc=return_code.***

Explanation

The IDS repository could not be updated.

System action

User response

Check the log and trace files for details.

FMM6921E: Failed to monitor the FlashCopy.

Explanation

The task for monitoring the progress of the background copy process of the volume pairs failed.

System action

User response

Check the log and trace files for details.

FMM6922E: Failed to allocate memory.

Explanation

Not enough memory was available to continue processing.

System action

User response

Ensure that the system has sufficient real and virtual memory. Close unnecessary applications.

FMM6923I: *Object_name* control object already initialized.

Explanation

The internal control object is already initialized and is used for the following process flow.

System action

User response

None.

FMM6924E: Failed to initialize *object_name* control object.

Explanation

The internal control object could not be initialized.

System action

User response

Check the log and trace files for details.

FMM6925E: Function call '*function_name*' failed.

Explanation

A call to the named internal function failed.

System action

User response

Check the log and trace files for details.

FMM6926I: Adding '*path*' to the Disk Mapper input list.

Explanation

The named file is added to the Disk Mapper input list.

System action

User response

None.

FMM6927E: Failed to find N-Series volume for file '*path*'. Error: *error_information*.

Explanation

The matching N Series volume for a specified file could not be found due to an error.

System action

User response

Check the log and trace files for details.

FMM6928E: File system not found. Failed to find NFS mount point for file: '*path*'.

Explanation

The file system base for a mount point of a specified file could not be found.

System action

User response

Check the log and trace files for details.

FMM6929E: Not a file system of type NFS. Failed to find N-Series volume for file: '*file*'.

Explanation

The named file is not located on an NFS mounted file system.

System action

User response

Make sure that the database meets the requirement for snapshot backups. Make sure that the data is located on a file system under the control of the N Series storage device.

FMM6930E: Volume information missing. Failed to find N-Series volume for file: '*path*'.

Explanation

The volume information could not be collected for the named file.

System action

User response

Check the log and trace files for details.

FMM6931E: Function call '*function_name*' failed. Error: *error_information*.

Explanation

A call to an internal function failed due to the specified error.

System action

User response

Check the log and trace files for details.

FMM6932E: Function call '*function_name*' failed with *rc_return_code*. Error: *error_information*.

Explanation

A call to an internal function failed with the specified return code due to the stated error.

System action

User response

Check the log and trace files for details.

FMM6933I: Volume '*volume_id*', snap ID *_snapshot_id*.

Explanation

The snap ID is associated with the specified volume.

System action

User response

None.

FMM6934I: The snapshot '*snapid*' was generated for the source volume '*volname*'.

Explanation

A snapshot with the name displayed was taken from this volume. In a SAN environment, this message appears for each LUN that is involved in the snapshot process. However, when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action

User response

None.

FMM6935I: Unmounting '*mount_point*'.

Explanation

Unmounting the specified mount point.

System action**User response**

None.

FMM6936E: Failed to unmount '*mount_point*'.

Explanation

Failed to unmount the specified mount point.

System action**User response**

Check the log and trace files for details.

FMM6937I: Mounting '*mount_point*'.

Explanation

Mounting the specified mount point.

System action**User response**

None.

FMM6938E: Failed to mount '*mount_point*'.

Explanation

Failed to mount the specified mount point.

System action**User response**

Check the log and trace files for details.

**FMM6939I: Prepare for snap restore, volume '*volume_id*', snap ID _
snapshot_id.**

Explanation

Preparation for a snap restore of the specified volume with the associated snap ID is being performed.

System action

User response

None.

FMM6940I: Prepare flash of group '*group_id*'.

Explanation

Preparation for a snapshot copy of a group of the specified volumes is being performed.

System action

User response

None.

**FMM6941I: <*server name*><*user name*><*separator*><*hw nas*
nseries><*timeout*>**

Explanation

A list of storage device parameters.

System action

User response

None.

FMM6942E: The storage device '*number*' is not handled by this device agent.

Explanation

The specified storage device cannot be handled with this device agent.

System action

User response

Contact your IBM support.

FMM6943I: Hardware version installed: *version.information*

Explanation

The specified version of the installed hardware is indicated.

System action

User response

None.

FMM6944I: NLS and tracing are already initialized.

Explanation

The logging and tracing facilities are already initialized and are used further internally.

System action

User response

None.

FMM6945I: File system '*PATH*' was already unmounted.

Explanation

The specified file system was already unmounted.

System action

User response

None.

FMM6946E: The environment variable 'ODMDIR' is not specified. Verify that the DB2 registry parameter DB2ENVLIST contains the value 'ODMDIR'. To set the DB2ENVLIST you need to issue the command: db2set -i <DB2 instance name> DB2ENVLIST='<current envlist> ODMDIR'

Explanation

The environment variable 'ODMDIR' must set in the user's environment where the snapshot backup or restore is started. In general, this is the case for default operating system installations.

System action

User response

allations. User response: Check the trace files where the runtime environment is written. If an entry for the ODMDIR environment variable cannot be found, set it manually as described in the message text.

FMM6947W: File system '*mount_point*' is already mounted.

Explanation

A file system that should be mounted is already mounted.

System action

Operation continues.

User response

None.

FMM6948E: The container '*container*' has already been created. Please specify another name.

Explanation

A container with the specified name already exists. Container names must be unique.

System action

Operation fails.

User response

Specify a unique container name.

FMM6949E: Creation of the container '*container*' failed because no preceding group has been found, or the preceding group is not valid. Current group is: '*group*'. First specify a valid group using the '*command*' command.

Explanation

Acsgen received a new container message but did not receive the required GROUP information.

System action

Operation fails.

User response

Group information needs to be provided using the GROUP command before the container information is provided.

FMM6950W: The output file '*path*' is not valid.

Explanation

The device agent's log file could not be created. The messages will be logged to STDOUT as well as to the acsd log file.

System action

User response

Check the permissions of the directories and that there is enough free space in the file system. Check the acsd log and trace files for details.

FMM6951E: Version mismatch error. Please check setup (*version:information*).

Explanation

The versions of acsd and the device agent are different.

System action

User response

Check the log and trace files for details. If the problem cannot be resolved, contact your IBM support.

FMM6952E: Error in connection to IBM Storage Protect Snapshot management agent.

Explanation

The IBM Storage Protect Snapshot management agent (acsd) could not be reached from within the device agent.

System action

User response

Check the log and trace files for details.

FMM6953E: Error while parsing *path* script. The keyword '*keyword*' is not supported during *function_name*.

Explanation

The script could not be parsed successfully due to an incorrect keyword for the given action.

System action

User response

Check the indicated script.

FMM6954E: Error while parsing script. The keyword '*keyword*' is not supported.

Explanation

The script could not be parsed successfully due to an incorrect keyword.

System action

User response

Check the indicated keyword.

FMM6955E: '*container_id*' is not a valid container. Please specify a valid container.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6956E: The usability state '*usability_state*' is not supported.

Explanation

Error in communication protocol between the device agent and the storage device adapter. The given usability state <*usability_state*> is not valid.

System action

User response

Contact your IBM support personnel.

FMM6957E: Script has continued without waiting.

Explanation

The script should wait before continuing execution.

System action

User response

Check the log and trace files for details.

FMM6958I: Output from script:**Explanation**

The output of the script.

System action**User response**

None.

FMM6959I: Script '*path*' returned with code *return_code*.**Explanation**

The indicated script returned with the specified return code.

System action**User response**

None.

FMM6960E: Non-zero return code from script '*path*'.**Explanation**

The script returned with a non-zero return code, which could indicate a warning or an error.

System action**User response**

Check the log and trace files for details.

FMM6961E: Specify a script for removing data.**Explanation**

To remove data, you must specify a script.

System action**User response**

Create and specify an appropriate script.

FMM6962I: Response to File System Service request (*request*).

Explanation

A file system service request (*request*) is handled by the device agent and a response message is sent back to the management agent.

System action

User response

None.

FMM6963I: Performing snapshot of the source volume '*source volume*'.

Explanation

This message reports that a new snapshot operation is in progress.

System action

User response

Watch for additional messages regarding the success of the snapshot operation.

FMM6964I: Number of volumes to be processed by snapshot: '*number*'.

Explanation

The number of volumes to be processed by FlashCopy

System action

User response

None.

FMM6965I: Snapshot started ...

Explanation

The command with the 'flashcopy' function has been issued on the production system, and the program splitint waits until this action has finished.

System action

User response

None.

FMM6966I: Snapshot successful.

Explanation

The command for the snapshot-based copy of the volume pairs has completed successfully on the production system.

System action

User response

None.

FMM6967E: The directory *directory* has nested mount points that are stored on more than one volume group. This is currently not supported.

Explanation

The application sent a request to recursively backup all data stored beneath <directory>. IBM Storage Protect Snapshot cannot fulfill this backup request because the data stored in this directory path resides on file systems that are stored on multiple volume groups. This is currently not supported.

System action

User response

Migrate the data underneath <directory> to a single file system or migrate the file systems mounted underneath this directory tree to a common volume group. Note that the directory structure could also contain links to files residing in other file systems. In this case you might be able to resolve this problem by simply removing those links.

FMM6968E: 'command_1' is not a valid keyword, expected 'command_2'.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6969E: Found non-database files on the file systems to restore. Please provide a negative list or perform restore with option 'no_check' to allow overwriting those files.

Explanation

Although the previously mentioned files were not requested to be restored, they would be overwritten, because they reside on a file system that will be entirely overwritten during restore. In order to allow overwriting those

files during restore they need to be added to a 'negative list' or the checking to prevent files from being overwritten needs to be disabled.

System action

User response

Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow IBM Storage Protect Snapshot to overwrite any file residing on a file system that will be restored, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') which contains a list of all files and directories that are allowed to be overwritten. Any directory you add to the 'negative list' is processed recursively.

FMM6970I: Snapshot restore successful.

Explanation

The snapshot restore of a snapshot backup finished successfully.

System action

User response

None.

FMM6971E: Adding the key '*key*' to the container '*container*' failed because it already exists. Please use the '*command*' command if you want to update the key.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6972E: Updating the key '*key*' in the container '*container*' failed because it does not exist. Please use the '*command*' command if you want to add the key.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6973E: The group '*group*' has already been created. Please specify another name.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6974E: '*group*' is not a valid group. Please specify a valid group.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6975E: Adding the key '*key*' to the group '*group*' failed because it already exists. Please use the '*command*' command if you want to update the key.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6976E: Updating the key '*key*' in the group '*group*' failed because it does not exist. Please use the '*command*' command if you want to add the key.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6977E: The #*first_command* '*parameter*' command has to be preceeded by a #*second_command* command.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6978E: '*command*' is not a valid keyword when updates to containers and groups are expected.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6979E: Script has continued without waiting. Expected output '*command*' from script but was: '*output*'.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6980W: Received a warning from the adapter:*warning*

Explanation

A warning message has been received from the storage device with the parameters: <warning>.

System action

User response

Check the content of the warning.

FMM6981E: Received an error from the adapter:*error*

Explanation

An error message has been received from the storage device with the parameters: <error>.

System action

User response

Check the content of the error message.

FMM6982W: The script '*adapter_name*' returned with code 1. The logfile might contain further warnings.

Explanation

The storage device adapter had a return code of 1.

System action

User response

Please check the device agent logfile for further warnings.

FMM6983E: The following backup items were not assigned to corresponding snapshot items:*backup_items*

Explanation

Backup items are storage elements such as LUN identifiers on storage area network (SAN) or network share paths on network-attached storage (NAS). Backup items are identified by IBM Storage Protect Snapshot OS agent "acsgen" and are based on the backup procedure of the application that requests the backup or restore operation. A snapshot item is the smallest entity identifiable in a snapshot. Backup items either all or a subset are assigned to the corresponding snapshot items. A subset is assigned in an AIX LVM mirroring or Oracle ASM environment.

System action

Processing stops.

User response

Evaluate the storage adapter-specific messages to resolve the problem.

FMM6984E: Error during prepare phase. Nothing known about group '*group_name*'. It has not been created in the partition phase.

Explanation

Error in communication protocol between the device agent and the storage device adapter.

System action

User response

Contact your IBM support personnel.

FMM6985E: Unable to connect to the copy services servers '*server name*' and '*backup server name*'.

Explanation

The attempt to connect to the storage device failed for both the primary and the secondary server.

System action

User response

Verify that the storage device is operational and accessible to the network. Make sure there are no firewall issues. Verify that the profile settings for the COPYSERVICES_PRIMARY_SERVERNAME and COPYSERVICES_SECONDARY_SERVERNAME parameters are valid.

FMM6986E: No matching target LUNs could be found in the selected target set for the source volumes '*volume list*'.

Explanation

System action

User response

FMM6988I: Executed command: '*command*'

Explanation

Shows the command executed in the log.

System action

Processing continues.

User response

Not needed.

FMM6989W: Background operation stopped in order to give precedence to a concurrent operation.

Explanation

A background operation is ending because some interactive operation using the same resources was started. Once the operation taking precedence has ended, the background operation is resumed.

System action

User response

None.

FMM7048I: The default port to connect to *server_name* will be used.

Explanation

A server port for the connection to the named server was not explicitly specified. Therefore, the default port is used.

System action

User response

Make sure the named server is listening to the default port. In the case of connection failures, specify the server port in the profile.

FMM7049I: The default for environment variable PROLE_PORT will be used.

Explanation

The port for the internal communication of Data Protection for SAP is set during installation. The message indicates that this port is being used.

System action

User response

None.

FMM7050E: The '*datastore name*' datastore has not been found in the datacenters defined in the domain. It is not part of the backup.

Explanation

The specified datastore has not been found in the datacenters that are defined for the current domain. It will not be included in the backup and not be restorable.

System action

Processing continues but the specified datastores will not be included in the backup.

User response

If the specified datastore is to be included in the backup extend the domain to the datacenter where it resides.

FMM7051E: The environment variable XINT_PROFILE is not set. It must be set and contain the fully qualified path to the *.utl file to be used.

Explanation

The way Data Protection for SAP works is specified in a profile. When called, Data Protection for SAP looks for the environment variable XINT_PROFILE which must contain the fully qualified path to the profile.

System action

User response

Check the environment for XINT_PROFILE of the user who started Data Protection for SAP.

FMM7052E: Only one line of effective input is allowed in the input file '*input filename*' for the requested operation.

Explanation

Only one line of effective input is allowed in the input file for the requested operation.

System action

Processing ends.

User response

Reduce the number of effective lines in the input file to one.

FMM7053E: Service setup failed due to previous error.

Explanation

Initialization of the product failed due to previous errors.

System action

User response

Check the product log file for further detailed messages.

FMM7054I: The datastore pattern '*datastore pattern*' will be expanded within the defined domain.

Explanation

The specified datastore pattern will be expanded within the defined domain. Datastores that match the pattern but are outside of the domain will not be considered.

System action

Processing continues.

User response

Not needed.

FMM7055E: Service open failed due to previous error in data mover.

Explanation

The command could not be started due to previous errors.

System action**User response**

Check the product log file for further detailed messages.

FMM7056E: Service open failed because configured IBM Storage Protect server could not be accessed.

Explanation

The command could not be started because the IBM Storage Protect server defined in the profile could not be accessed.

System action**User response**

Check the product log file for further detailed messages.

FMM7057E: Service open failed because all configured sessions are currently in use.

Explanation

The command could not be started because all configured sessions in the profile are currently in use.

System action**User response**

With Oracle RMAN the number of channels configured either in SAP profile or the RMAN script must be less or equal to the maximum number of allowed sessions (MAX_SESSIONS). If multiple servers are used see the User's Guide for further details. Also check the Data Protection for SAP log file for further detailed messages.

FMM7058E: Service open failed because more than one file was found with the same name.

Explanation

The command could not be started because two or more files with the same name were found.

System action

User response

Check the product log file for further detailed messages.

FMM7059E: Service open failed because the file was not found.

Explanation

The command could not be started because a file specified was not found.

System action

User response

Check the product log file for further detailed messages.

**FMM7060I: Data Protection for SAP(R) *version.release.modification.level*
(build *build_number*)beta *build_date* session: *process id***

Explanation

This message is to verify the version of the shared library used for backup. On UNIX and Linux systems this message will be written multiple times into the log per backup depending on the RMAN setup. On Windows, it is written just once.

System action

User response

None, if the right version is used. If the version within the log does not match the installed version, see "RMAN Problem Resolution" in the Data Protection for SAP(R) Installation and User's Guide.

FMM7061I: Continuing to restore from next data copy.

Explanation

A saved data copy could not be restored from the primary data source. Due to multiple data copies available, the unit will switch to the next available data copy and continue to restore.

System action

User response

Although the data could be restored it should be investigated, why one of the data sources were not available.

FMM7062E: To create *number_copies* redo log copies at least *number_sessions* sessions and *number_mgmtclasses* different BRARCHIVE management classes are required. But currently only *configured_sessions* sessions are available.

Explanation

If each redo log file should be stored multiple times then for each copy a dedicated session and management class at the IBM Storage Protect server is required. Currently there are more redo log copies requested with the profile parameter REDOLOG_COPIES than sessions and/or management classes are available.

System action

Processing ends.

User response

Check the profile parameter MAX_ARCHIVE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *number_copies*. Ensure the overall number of sessions and management classes that are configured over all server stanzas in the Data Protection for SAP profile is at least as large as *number_copies*.

FMM7063W: The profile parameter BACKUPIDPREFIX is no longer valid for Data Protection for SAP HANA(R) and will be ignored.

Explanation

Starting with version 6.4.1.1 it is no longer possible to specify the backup ID prefix for Data Protection for SAP HANA(R). The first six characters of the backup ID are now generated automatically.

System action

Processing continues.

User response

Remove the parameter BACKUPIDPREFIX from the profile.

FMM7064W: Seems the previous operation was not completed successfully. Cleaning up.

Explanation

Internal states indicate that an operation is still running while a new one has started. This may be caused by database processes that did not terminate correctly. Data Protection for SAP is going to clean up these internal states to avoid potential problems.

System action

Processing continues.

User response

Check if any database processes from previous backup or restore operations are still active. Consult the users guide of the database about how to clean up such processes.

FMM7065W: The executable '*executable_name*' was called using the obsolete function specification '*obsolete_function*'. You must use the updated function specification '*-f function*' instead.

Explanation

An operation was started using an obsolete function. The obsolete function is accepted, but it will be rejected in a future release of the product.

System action

Processing continues.

User response

For future operations, use the updated function specification that is identified in the message.

FMM7066E: Determining the size of the application failed with the following error:*message*

Explanation

Data Protection for SAP was unable to determine the size of the database and therefore could not report this size to the IBM Storage Protect server. Protected data size values that are used in front-end licensing capacity reports might be inaccurate for this database.

System action

Processing continues.

User response

Check the error message that follows this message in the log.

FMM7301W: Data exchange file from Data Protection for Snapshot Devices for SAP(R), *filename* does not exist.

Explanation

The referenced file is expected by Data Protection for SAP(R) to exist and to contain information from Data Protection for Snapshot Devices for SAP(R) about the actual snapshot operation.

System action

User response

The absences of this files indicates a problem during the snapshot operation performed by Data Protection for Snapshot Devices for SAP(R). Please check the logs of Data Protection for Snapshot Devices for SAP(R) to determine the cause of the problem and try again.

FMM7302W: The '*vm template name*' virtual machine template with the '*vm instance uuid*' instance UUID is ignored and is not part of the backup since it is a template.

Explanation

The specified VM template is not part of the backup and will thus not be restorable.

System action

Processing continues.

User response

No action is required.

FMM7303W: Profiles for Data Protection for Snapshot Devices for SAP(R) are different. backup: *file name backup* restore: *file name restore*

Explanation

During backup the profile used by DP for Snapshot Devices can be determined automatically. For restore and inquire operations the profile for DP for Snapshot Devices must be specified in the profile using the parameter FCS_FILE. For restore DP for Snapshot Devices must use the same profile as for backup.

System action

User response

Correct the entry for the FCS_FILE parameter in the profile (init<SID>.utl).

FMM7304I: Performing DISK ONLY backup.

Explanation

The data for this backup is stored on snapshot-type disks only and will not be sent to IBM Storage Protect.

System action

User response

None.

FMM7305E: Error during call to Data Protection for Snapshot Devices for SAP(R): *error message*

Explanation

Data Protection for Snapshot Devices for SAP(R) could not process the requested operation successfully. Processing may not stop at this point. Depending on the type of request (backup to both IBM Storage Protect and snapshot disks or to snapshot disks only, restore of data which is available in both modes) there are possibilities to recover from this error and continue operation.

System action

User response

Use the information from *error message* and the output of Data Protection for Snapshot Devices for SAP(R) to determine the cause of the problem and try again.

FMM7307W: Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation. Do you want to continue backing up to IBM Storage Protect?

Explanation

The backup was requested to be stored on both the IBM Storage Protect server and the snapshot-type disks. The snapshot operation has failed. Backup can continue to save data on the IBM Storage Protect server only.

System action

User response

Enter "stop" if you want to solve the cause of this error and to try again. Enter "cont" if you want to save this data on the IBM Storage Protect server only.

FMM7308E: DISK ONLY backup has failed.

Explanation

The current backup tried to store data on snapshot-type disks only and did not finish successfully.

System action

User response

Check the output from DP for Snapshot Devices prior to this error message to detect the root cause of this error and try again.

FMM7309W: Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation. Do you want to continue restoring from IBM Storage Protect?

Explanation

The data you wanted to be restored is located on the IBM Storage Protect server and on snapshot-type disks. The snapshot operation has failed. The process can continue to restore data from the IBM Storage Protect server.

System action

User response

Enter "stop" if you want to resolve the cause of this error and to try again. Enter "cont" if you want to restore from the IBM Storage Protect server.

FMM7310W: Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation. CAUTION: Not all filesystems are available. Do you want to retry the operation?

Explanation

In contrast to message FMM7309W not all file systems are mounted. In this case it is not possible to continue the restore from the IBM Storage Protect server.

System action

User response

Enter "stop" if you want to terminate this restore process. Enter "cont" if you want to retry the snapshot process.

FMM7311I: Profile used by Data Protection for Snapshot Devices for SAP(R): *profile name*.

Explanation

The message shows the name of the profile used by DP for Snapshot Devices.

System action

User response

None.

FMM7312W: Profile for Data Protection for Snapshot Devices for SAP(R) not specified in profile. For restore this must be specified.

Explanation

For restore and inquire operation in conjunction with DP for Snapshot Devices this parameter is mandatory. Without this parameter a restore using DP for Snapshot Devices is not possible and Data Protection for SAP will continue to inquire/restore from the IBM Storage Protect server only.

System action

User response

Add the parameter FCS_FILE to the Data Protection for SAP profile.

FMM7313W: Inquire results from Data Protection for Snapshot Devices for SAP(R) are not available.

Explanation

Data Protection for SAP queried Data Protection for Snapshot Devices for SAP(R) for existing snapshot backups. This query has failed.

System action

Processing continues.

User response

If Data Protection for SAP is running in unattended mode (profile parameter BATCH set to YES), it immediately restores from tape when data is available. Otherwise you are prompted whether to restore from tape.

FMM7314E: The data you want to restore is not available on the IBM Storage Protect server.

Explanation

Data Protection for SAP(R) was unable to retrieve information from DP for Snapshot Devices about available backups on snapshot-type disks. This message may be issued in consequence of message FMM7305E.

System action

User response

Check the output from DP for Snapshot Devices to determine the cause of the error and try again.

FMM7315W: The copy process for the files you want to restore is not finished. If you continue the operation, the files will be restored from the IBM Storage Protect server.

Explanation

The snapshot process running in the background has not finished moving the files from the source to the target volumes. A snapshot restore of these volumes is currently not possible.

System action

User response

After that message you will be asked if you want to continue or stop this operation. If you want to wait until the snapshot process has finished choose "stop" and the restore attempt will terminate. If you choose "continue" an attempt is made to restore the data from IBM Storage Protect if available.

FMM7316I: The following backup types for the BACKUPID *backup id* have been found: - IBM Storage Protect - Snapshot

Explanation

The backup for the backup ID *Backup ID* was stored on the IBM Storage Protect as well as on snapshot-type disks. For restore both data sources can be used.

System action

User response

None.

FMM7318E: The Data Protection for Snapshot Devices for SAP(R) profile *file name* is not valid.

Explanation

The profile for DP for Snapshot Devices specified in init<SID>.utl could not be accessed.

System action

User response

Check the file name and the permissions for this file and try again.

FMM7319I: Start IBM Storage Protect restore.

Explanation

The restore uses data from IBM Storage Protect.

System action

User response

None.

FMM7320I: Start restore from snapshot.

Explanation

The restore is using data from snapshot-type disks.

System action

User response

None.

FMM7321E: The Data Protection for Snapshot Devices for SAP(R) profile *file name* found in parameter FCS_FILE of the Data Protection for Snapshot Devices for SAP(R)(R) profile can not be used if you need to restore this backup.

Explanation

In the Data Protection for SAP profile the FCS_FILE parameter is set, however the Data Protection for Snapshot Devices for SAP(R) profile specified either • is not a Data Protection for Snapshot Devices for SAP(R) profile • does not point to the same Data Protection for Snapshot Devices for SAP(R) configuration file which was used by the preceding Data Protection for Snapshot Devices for SAP(R) splitint operation.

System action

User response

You need • to correct the FCS_FILE parameter in order to ensure that a valid Data Protection for Snapshot Devices for SAP(R) profile is used. For example, select the same file Data Protection for Snapshot Devices for SAP(R) used when running its snapshot function in the preceding brbackup task. The file names are documented in preceding message FMM7303W) • to ensure that all SAP profiles used by Data Protection for Snapshot Devices for SAP(R) point to the same the same control file. The control file is defined by the value of the IDS_CONTROL_FILE parameter in the Data Protection for Snapshot Devices for SAP(R) profile.

FMM7322E: Request for a partial restore or restore from snapshot with "brrestore -m all" is not supported. In case of brrestore attempt rerun with -m full.

Explanation

DP for Snapshot Devices can only restore the whole content of a backup and not only a subset of a disk backup as requested. Most likely this is caused by running brrestore with the option '-m all'.

System action

User response

Restore complete backups only: run brrestore with the option '-m full'.

FMM7323W: Request for a partial restore or restore from snapshot with "brrestore -m all" is not supported. If you want to restore the backup: - with FlashCopy restore enter stop and rerun brrestore with "-m full" - from IBM Storage Protect enter cont

Explanation

This message has the same reason as message FMM7322E, but in this case the data is also available from the IBM Storage Protect server. So you may continue to restore this data without the snapshot functionality from IBM Storage Protect server.

System action

User response

Enter "stop" if you want to try to restore a different set of files. Enter "cont" if you want to restore this data from IBM Storage Protect server.

FMM7324E: Restore of multiple backup ID's in one run from a snapshot is not possible.

Explanation

The data requested for this restore belongs to multiple backup IDs.

System action

User response

Make sure the files you want to restore belong to one single backup ID and try again.

FMM7325E: Redirected restore from a snapshot is not possible.

Explanation

A restore of a snapshot to a different location on the same host was attempted. This is not supported.

System action

Processing stops.

User response

Either restore the snapshot to the original location or restore from tape (if available).

FMM7535W: Error while executing command. Reason: *errno(error number) explanation*

Explanation

A command could not be executed successfully.

System action

User response

Check the explanation *explanation* and the preceding output of the command execution to detect the cause of the error.

FMM7536I: Execute command '*command name*':

Explanation

The command *command name* is executed by the application. This message is followed by the output of the command executed.

System action

User response

None.

FMM7540E: None of the INCREMENTAL_LEVEL parameters specified in the profile can be used for the current operation.

Explanation

The application of a 'INCREMENTAL_LEVEL' entry within the profile can be restricted by a number of optional conditions, e.g. by time frame. If this error occurs none of the INCREMENTAL_LEVEL entries within the profile matches the conditions currently given (current time, given weekday).

System action

User response

Check the conditions specified for the 'INCREMENTAL_LEVEL' entries within your profile. It needs to be ensured that exactly one entry matches any imaginable condition at any time.

FMM7541E: The environment variable ORACLE_SID must be set.

Explanation

The current operation requires the environment of the Oracle database instance owner. Among other settings this includes the environment variable ORACLE_SID.

System action

Operation aborts.

User response

Ensure the operation is performed by the Oracle database instance owner and verify that the environment for this user is set correctly. Among other environment variables that are required to run an Oracle database the variable ORACLE_SID must be set.

FMM7542I: A level *number* incremental backup using Oracle RMAN has started.

Explanation

Oracle RMAN will be started to perform an incremental backup with the specified level.

System action

Operation continues.

User response

None.

FMM7543I: Recreate database control file '*file_name*'.

Explanation

CURRENTLY UNUSED

System action

Operation continues.

User response

None.

FMM7544E: The copy of the database control file '*file_name*' was not found.

Explanation

The current operation does expect a copy of the database controlfile to be at the specified location. This file is created by IBM Storage Protect Snapshot before Data Protection for SAP is started. But the file was not found.

System action

Operation aborts.

User response

Verify that the target directory does exist and is not full. Make sure that the directory is not cleaned automatically at the time of the operation.

FMM7545I: Please enter the password for the user '*user_name*' to connect against the recovery catalog database '*catalog_database_identifier*':

Explanation

Oracle RMAN stores information about all backups in a recovery catalog database. The identifier to connect against this database and the user id for this connection must be specified in the profile. The password for this connection must be specified after this prompt. It is then stored encrypted in the configuration file.

System action

Wait for user response.

User response

Enter the correct password.

FMM7546E: Failed to verify the password. This is the output of the failed command:

Explanation

The verification of the password entered has failed. This may be due to missconfiguration of the connection to the recovery catalog database or just by mistyping the password.

System action

Operation aborts.

User response

Check the further output to find the root cause. Retry the operation and enter the correct password.

FMM7547E: Failed to verify the password. This is the output of the failed command:

Explanation

System action

Operation aborts.

User response

FMM7548E: Incremental backups require IBM Storage Protect Snapshot V3.1 or higher.

Explanation

To perform offloaded backups using Oracle RMAN the offload operation must be performed using IBM Storage Protect Snapshot Version 3.1 or higher.

System action

Operation aborts.

User response

Ensure the required version of IBM Storage Protect Snapshot is installed and configured.

FMM7549E: Database '*identifier*' is still running on host '*host_name*'.

Explanation

Another instance of the database was found to be running on the backup server where the offloaded backup should be performed.

System action

Operation aborts.

User response

Verify the configuration if the offloaded backup was attempted on the correct backup server. Check if the running database instance is a leftover from a previous backup attempt. In this case manually shutdown the instance and retry.

FMM7550E: Operation was cancelled by Oracle RMAN. Please check the log for more details.

Explanation

The operation was cancelled by Oracle RMAN.

System action

Operation aborts.

User response

Check the log output preceeding this message for more details about the root cause of this error.

FMM7551E: Failed to determine the database ID:

Explanation

The process failed to determine the id of the database in the recovery catalog database.

System action

Operation aborts.

User response

Check the log output following this message for more details about the root cause of this error.

FMM7552E: Failed to determine the SCN:

Explanation

The process failed to determine the restore point in time in the recovery catalog database.

System action

Operation aborts.

User response

Check the log output following this message for more details about the root cause of this error.

FMM7553I: Restoring files from backup with ID *backup_ID* using Oracle RMAN ...

Explanation

Oracle RMAN was started to restore all datafiles from the backup identified by *backup_ID*.

System action

Operation continues.

User response

None.

FMM7554E: The password to connect against the recovery catalog database '*identifier*' is not set.

Explanation

The password for the recovery catalog database was not found in the config file. It is stored in encrypted form in the config file. To store the password in the config file the function '`&f catalog_password`' must be used.

System action

Operation aborts.

User response

Run 'backint -p <profile> \$ndash;f catalog_password' to store the password in the config file. Then retry the operation.

FMM7555E: Files from different RMAN backups can not be restored within a single operation.

Explanation

The current operation attempted to restore files that have been stored by RMAN in different backups. This type of restore is not supported.

System action

Operation aborts.

User response

If files from different backups are required only the files from one backup can be restored at a time. Restore files from other backups in separate runs.

FMM7556E: Restore of RMAN backups to a different location is not supported.

Explanation

The current operation attempted to restore database files to a location that is different from the location at backup time. This type of restore is not possible with backups that have been performed by Oracle RMAN from a flashcopy backup.

System action

The operation stops.

User response

Restore the files to the same location from where they have been backed up. If you want create a clone of the database, use the \$longfcm; cloning functionality.

FMM8201E: SIMULATION CANCELED BY PRODUCTION OPERATION!!!

Explanation

The current operation was a simulation performed via the Administration Assistant. This simulation was canceled since a production operation (backup or restore) has been started.

System action

User response

Check your backup schedule and run simulations only when no other operations are scheduled.

FMM8202E: There are no target sets specified in the volumes file that can be used with *device section* and *parameter 'value'*.

Explanation

The volumes file (specified with the VOLUMES_FILE parameter in the *device section*) does not contain a target set definition which can be used in a context where *parameter* is set to *value*.

System action

Command will fail.

User response

Add target set definitions to the volumes file (specified with the VOLUMES_FILE parameter) that are appropriate for the context.

FMM8203E: There are no volume sets specified in the volumes file that can be used with '*device class*' and STORAGE_SYSTEM_ID set to '*hardware id*'.

Explanation

The volumes file (specified with the VOLUMES_DIR parameter in the *device section*) does not contain a volume set definition for a storage device identified with *hardware id*.

System action

Command will fail.

User response

Add an appropriate volume set definition to the volumes file or update and identify an existing volume set for use with the specified hardware ID.

FMM8204E: All volume sets that are specified in the volumes file identified in '*device class*' require that the parameter STORAGE_SYSTEM_ID also be specified in the device section of the profile.

Explanation

A STORAGE_SYSTEM_ID is specified for all volumes sets in the volumes file (specified with the VOLUMES_DIR parameter in *device section*). This is typically the case in mirroring environments. In this situation, the STORAGE_SYSTEM_ID parameter must also be specified in the device class.

System action

Command will fail.

User response

In mirroring environments, add the STORAGE_SYSTEM_ID parameter to the device class. In non-mirroring environments, you can remove the STORAGE_SYSTEM_ID parameter from the volumes set definition.

FMM8205E: There are no target sets specified in the volumes file that can be used with *device section* .

Explanation

The volumes file (specified with the VOLUMES_FILE parameter in the *device section*) does not contain a target set definition.

System action

Command will fail

User response

Add target set definitions to the volumes file specified with the VOLUMES_FILE parameter.

FMM8206W: The parameter *profile parameter* refers to the device class section(s) '*device class*' which do not exist currently in the profile. Currently existing device class sections are: '*existing device class*'. If you proceed the missing device class sections are added to the profile automatically. If this is not intended, you must modify the specified device class names.

Explanation

The specified profile parameter is referring to one or multiple device class sections that are not specified in the profile.

System action

Processing continues.

User response

You must add the missing device class section to the profile or adjust the specified profile parameter.

FMM8207E: Directory *target dir* does already exist. To perform IBM Storage Protect Snapshot tape backup this directory must not exist. After deleting this directory run an unmount and perform the tape backup again.

Explanation

During tape backup process the path of this directory is required to set up backup DB2 properly

System action

User response

Delete the directory. Afterwards run fmccli -f unmount to clean up the backup system. Start fmccli -f tape_backup again.

FMM8208W: You configured a DEVICE_CLASS in the MAX_VERSIONS parameter that has no related DEVICE_CLASS entry in the profile.

Explanation

Not all configured DEVICE CLASS in MAX_VERSIONS exist in the profile. Check the profile for consistency.

System action

Processing ends.

User response

Revisit the profile and adjust the MAX_VERSIONS parameter in the CLIENT section. Alternatively, add the DEVICE_CLASS entry in the profile.

FMM8209W: Your profile has a DEVICE_CLASS entry in the CLIENT section for the parameter DEVICE_CLASS that has no related MAX_VERSION parameter.

Explanation

There are DEVICE CLASS entries configured that do not have a MAX_VERSION parameter. This inconsistency can lead to runtime issues.

System action

Processing ends.

User response

Revisit the profile configuration adjust the parameter MAX_VERSIONS or DEVICE_CLASS of the CLIENT section of the profile.

FMM8210W: You configured different Volume Manager types in client sections '*section1 type section1 id*' and '*section2 type section2 id*'. However, these clients point to the same section '*section3 type section3 id*'.

Explanation

There are two or more CLIENT/CLONING sections that have different values for the parameter VOLUME_MGR, but the same value is used for ORACLE_SECTION_NAME or OFFLOAD_SECTION_NAME parameter. This is not allowed since the VOLUME_MGR parameter value is copied into ORACLE and OFFLOAD sections. Check the profile for consistency.

System action

Processing ends.

User response

Review the profile and adjust the VOLUME_MGR parameter in the CLIENT and CLONING sections. Alternatively, change the ORACLE_SECTION_NAME and OFFLOAD_SECTION_NAME parameters so that they point to different ORACLE or OFFLOAD sections.

FMM8211W: More than one value for MAX_VERSIONS is detected for this backup. The largest MAX_VERSIONS value will be used for the full backup

Explanation

There is more than one values of the parameter MAX_VERSIONS detected for this backup. Typically, this happens in a DB2 DPF environment with more than one device class configured for the different DB2 nodes

System action

Processing continues

User response

Use one MAX_VERSIONS parameter for the entire backup

FMM8268E: The database resides on '*database_volume_mgr*' volumes but the profile specifies '*profile_volume_mgr*' as the volume manager.

Explanation

The files to be backed up were found on a volume manager that is different from the volume manager specified in the profile.

System action

Processing ends.

User response

Specify the correct volume manager in the profile.

FMM8270W: The data mover '*keyword*' is already defined in the profile.

Explanation

Data mover node names must be unique for all VE_DATAMOVER_AUXHOST parameter instances.

System action

User response

Define another data mover or change the other instance of the VE_DATAMOVER_AUXHOST parameter.

FMM8271W: The given auxiliary host name '*keyword*' cannot be resolved.

Explanation

IBM Storage Protect Snapshot failed to resolve the given host name.

System action

User response

Make sure the host name is correct and the connection to the host is verified.

FMM8272W: Failed to set the VE_DATAMOVER_AUXHOST default auxiliary ESX host '*keyword*' because a default already exists.

Explanation

Only one default auxiliary ESX is allowed in the profile.

System action

User response

Make sure that there is only one default auxiliary ESX host set for the parameter VE_DATAMOVER_AUXHOST.

FMM8273W: The specified host name or IP address '*servername*' cannot be resolved.

Explanation

The specified host name or IP address could not be validated as a valid network address. This might be caused by a misspelling or by an issue that is related to network configuration.

System action

Processing continues.

User response

Make sure that the host name or IP address is correct and that the network connection to the storage device is verified.

FMM8300I: *Function_name* returned with code *return_codereturn_information*.**

Explanation

This message indicates that the named API function ended with the specified return information.

System action

User response

If the return information indicates a problem, look for preceding error messages in the log files. Otherwise, no response is required.

FMM8301E: *Product_name*: Exception caught in function *function_name*. Error information: '*error_information*'

Explanation

The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action

User response

Analyze the error information to find the cause of the problem. Resolve any problems indicated.

FMM8302E: *Product_name*: Exception caught in function *function_name*. More information may be available in file *log_file_name*. Error information: '*error_information*'

Explanation

The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action

User response

Analyze the error information and the appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8303E: No *segment_name* section found for the instance '*id*'.

Explanation

An error was detected while parsing the named profile segment name section.

System action

User response

Check the named profile segment name section and make appropriate adjustments.

FMM8304W: The following error occurred while verifying the configuration for section '*section*':

Explanation

An error was detected while parsing the named profile section.

System action

User response

Check the named profile section and make appropriate adjustments.

FMM8305E: Invalid option *option* in options string: '*options_string*'.

Explanation

An invalid option was found while parsing the options string specified in the 'db2' command.

System action

User response

Correct the command and try again.

FMM8306E: The keyword *keyword* is not allowed multiple times within the profile.

Explanation

The keyword indicated was found more than once in the profile. However, this keyword must not be specified multiple times.

System action

User response

Correct the profile.

FMM8307E: The parameter *keyword* must be specified in the profile.

Explanation

A required keyword is missing in the profile.

System action

User response

Correct the profile.

FMM8308E: Single argument required for parameter *keyword*.

Explanation

The keyword indicated requires a single value. However, two or more values are found in the profile.

System action

User response

Correct the profile.

FMM8309E: Missing argument for parameter *keyword*.

Explanation

In the profile, a value is missing for the named parameter.

System action**User response**

Correct the profile.

FMM8310E: The keyword *keyword* is not allowed.

Explanation

An invalid keyword was detected in the profile.

System action**User response**

Correct the profile.

FMM8311E: For parameter *keywordd*, both server and port must be specified.

Explanation

A value of the named parameter is missing from the profile.

System action**User response**

As the value for the specified parameter, specify both server and port.

FMM8312E: Error while parsing parameter *keyword*. In order for '*value1*' to be valid '*value2*' is required to be an existing directory.

Explanation

Value1 was found to be an invalid value for the parameter named. For this specific parameter, a file name can be specified whose path must already exist in the system.

System action

User response

Specify the name of a file in an existing path.

FMM8313E: *Product_name*: interface problem in function *function_name*: Invalid value of *parameter: value*

Explanation

The named product detected an interface problem in the named API function. An invalid value was found for parameter in one of the API data structures.

System action

User response

Contact your IBM support personnel.

FMM8314E: *Product_name*: interface problem in function *function_name*: The session is already in use by a different operation.

Explanation

The named product detected an interface problem in the named API function. Either the session handle is used for various operations simultaneously, or the functions are called in an order not supported by the current version of the library.

System action

User response

Contact your IBM support personnel.

FMM8315E: *Function_name*: The following object is not under the control of *product_name: path*

Explanation

The named product implementing the DB2 Advanced Copy Services API detected a problem in the named API function: The path passed by the database is not under the control of the product.

System action

User response

Make sure the database to be backed up meets the requirements for employing snapshot backups.

FMM8316E: *Product_name*: interface problem in function *function_name*: Empty group list passed by DB2.

Explanation

The named product detected an interface problem in the named API function: The database passed a group list containing no elements.

System action

User response

Contact your IBM support personnel.

FMM8317W: *Product_name*: Verification of configuration requested by user. No backup started.

Explanation

The user requested a verification of the configuration. The backup flow continued without errors up to the point where the snapshot would actually be done and was then cancelled. The system is ready for a snapshot backup, but no action beyond verification has been taken so far.

System action

User response

None.

FMM8318E: *Product_name*: interface problem in function *function_name*: Not enough space provided to write meta data.

Explanation

System action

User response

Contact your IBM support personnel.

FMM8319W: Error while deleting old versions.This problem does not affect the new backup.Error information: '*error_information*'

Explanation

After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. However, a problem occurred while trying to remove expired backups. The new backup is not affected by this problem.

System action

User response

Check the appropriate log files in order to determine the cause of the problem. Resolve any problems indicated. In case the storage device runs out of storage because outdated snapshot backups have not been removed, delete these snapshot backups manually.

FMM8320I: Deleting full backup *backup_id* - *backup_key*.

Explanation

After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the full backup listed is removed.

System action

User response

None.

FMM8321I: Deleting partial backup *backup_id* for node *host:partition_number*.

Explanation

After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the backup listed for the named partition is removed.

System action

User response

None.

FMM8322E: Interface problem: Current database partition *number* is not listed in the partition list.

Explanation

The partition list passed by the database does not contain the named partition participating in an operation.

System action

User response

Contact your IBM support personnel.

FMM8323E: *Product_name*: Problem occurred while processing *function_name*. Please check log file *log_file_name* for more information. Error information: '*error_information*'

Explanation

The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action

User response

Analyze the error information and the appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8324E: *Product_name*: Problem occurred while processing *function_name*: Device agent returned code *return_information*.

Explanation

The named product implementing the DB2 Advanced Copy Services API received an error from the device agent in the named API function. The device agent's return information is given.

System action

User response

Check the appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8325E: Failed to determine hostname.

Explanation

The system was not able to determine the host name of the machine.

System action

User response

Make sure the system setup allows for querying the hostname via system function `gethostname()`. Ensure that the requirements for doing snapshot backups are met.

FMM8326E: Failed to create log directory *path*.

Explanation

The log path indicated is not available in the system and could also not be created.

System action

User response

Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly. Make sure all prerequisites for doing snapshot backups are met.

FMM8327E: Invalid value specified for parameter *keyword*: *value*

Explanation

A parameter value is not valid.

System action

User response

In case the parameter was specified in the profile correct the profile. In case the parameter was specified as a command line option, correct the entry.

FMM8328E: *Product_name* must be licensed to set parameter *keyword* to a value of *value*.

Explanation

Selected functions are supported only with a full IBM Storage Protect license.

System action

User response

If you need the functionality requested, obtain a full IBM Storage Protect license and install the license file. Otherwise, in case the parameter was specified in the profile, correct the profile or, in case the parameter was specified as a command line option, correct the entry.

FMM8330E: Parameter *keyword* requires 'YES', 'NO', or AUTO.

Explanation

For the named parameter, only the values, 'YES', 'NO' and 'AUTO' are accepted.

System action

Processing stops.

User response

Correct the profile or the call as appropriate.

FMM8331E: The parameter *keyword1* is not allowed if *keyword2* is set to *value*.

Explanation

There is a dependency between parameters *keyword1* and *keyword2*. If the latter is set to the value named, *keyword1* must not be specified.

System action

User response

Correct the profile or the call as appropriate.

FMM8332E: Failed to parse parameter *keyword*. File and path names in the profile need to be fully qualified.

Explanation

As the value of the parameter indicated, a fully qualified file or path name is expected. However, the specified value is not a fully qualified path.

System action

User response

Correct the profile or the call as appropriate.

FMM8333E: In order to enable the parameter *keyword1* you need to set *keyword2* to *value*.

Explanation

There is a dependency between parameters *keyword1* and *keyword2*. If *keyword1* is specified, *keyword2* must be given the specific value indicated in the message.

System action

User response

Correct the profile or the call as appropriate.

FMM8334E: Profile section *section_name* is required for function *operation*.

Explanation

The specified profile section is required in order to perform the requested operation. However, it is not included in the profile.

System action

User response

Correct the profile.

FMM8335E: Profile section *section_name* refers to a value for *keyword* that differs from the one used at backup time. Expected value: *value*.

Explanation

The profile parameter named must not change its value between backup and restore. However, in the named profile section, the parameter has a value different from the value it had at backup time. This value is given in the message.

System action

User response

Correct the profile by setting the indicated parameter to the value indicated in the message.

FMM8336E: Invalid value specified for option *keyword*: *value*

Explanation

An option value is not valid.

System action

User response

Correct the call.

FMM8337E: Error while parsing profile: Missing section name.

Explanation

The profile is organized into named sections. However, a section name was not found.

System action

User response

Check that the profile name is specified correctly or that the default profile is a valid profile. Refer to your user documentation for the syntax of the profile or use the profile wizard to create a new profile.

FMM8338E: Error while parsing profile: Section *section_name* is not allowed to be nested.

Explanation

In the profile, the named section starts before the previous section ends. However, the section in question cannot be nested.

System action

User response

Correct the profile.

FMM8339E: Error while parsing profile: Profile section *section_name* is not valid.

Explanation

An invalid section name was found in the profile.

System action

User response

Correct the profile.

FMM8340E: Error while parsing profile: Profile section *section_name* must not be specified more than once.

Explanation

In the profile, only a single section with the name indicated can be specified. However, during parsing, a second occurrence was detected.

System action

User response

Correct the profile.

FMM8341E: Error while parsing profile: Profile section *section_name* missing.

Explanation

The required profile section indicated was not found in the profile.

System action

User response

Correct the profile.

FMM8343W: The *profile parameter keyword* profile parameter of *device type provile section* has changed its value from (*original*)*value1* to (*current*) *value2*.

Explanation

The profile parameter named must not change its value between backup and restore or delete. However, in the named profile section, the parameter has a new value *value2* different from the value *value1* it had at backup time. Both values are given in the message.

System action

User response

Check the log file for problems that may result from the change of parameter values. If so, you may want to change the profile, restoring parameter *profile parameter keyword* to the value it had when creating the backup in order to perform a specific operation.

FMM8344E: Path *path* is listed more than once for partitioning.

Explanation

This is a DB2 - IBM Storage Protect interface problem.

System action

User response

Contact your IBM support personnel.

FMM8345E: Error while parsing parameter *keyword*. '*path*' is required to be *type_information*.

Explanation

A path of the type indicated in the message is expected as a value of the named parameter. However, the specified path was not found to be of the correct type.

System action

User response

Correct the profile or the call as appropriate.

FMM8349I: Deleting incomplete backup *backup_id* - *backup_key*.

Explanation

After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the incomplete backup listed is removed. A backup becomes incomplete when parts of its data expire. This can happen when a backup that is marked 'destructively restorable' is restored.

System action

User response

None.

FMM8350E: Parameter *parameter* requires "NO", "IBM Storage Protect", or "DP4SAP".

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8351E: Parameter *parameter* requires 'AUTO' or a decimal value.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8352E: Parameter *parameter* requires a decimal value.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8353E: Parameter *parameter* requires a value greater than '0'.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8354E: Parameter *parameter* requires 'NO' or 'YES'.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8355E: Parameter *parameter* requires 'ALL' or a comma separated list of decimal values.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the profile keyword DBPARTITIONNUM and make appropriate adjustments.

FMM8356E: *product_name*: interface problem in function *function*: Invalid call sequence; the library was not initialized.

Explanation

An invalid internal call sequence was detected during execution of a dedicated function.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8357E: *product_name*: interface problem in function *function*: Invalid call sequence; the operation was not initialized.

Explanation

An invalid internal call sequence was detected during execution of a dedicated function.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8358E: Parameter *name* requires 'ONLINE' or 'OFFLINE'.

Explanation

The parameter *name* only accepts the values ONLINE or OFFLINE.

System action

Processing stops.

User response

Correct the value for the parameter specified in the profile.

FMM8359E: The profile parameter *parameter* has the wrong value '*value profile*'. The expected value is '*value expected*'.

Explanation

A profile parameter (or keyword) has a wrong value assigned. An alternate value is expected.

System action

User response

Check the named IBM Storage Protect for ERP profile keyword and make appropriate adjustments.

FMM8360E: Invalid *keyword* specified in the profile.

Explanation

The value specified for a keyword is either wrong or is missing.

System action

User response

Check the named IBM Storage Protect for ERP profile keyword and make appropriate adjustments.

FMM8361E: Found files on the file systems to backup for which backup was not explicitly requested. Please provide a negative list or clean your file systems.

Explanation

Although the previously mentioned files were not requested to be part of the backup, they will be copied because they reside on a file system that will be backed up in its entirety. In order to allow backing up those files, they need to be added to a 'negative list' or the checking for such files needs to be disabled. Note that in case of a restore, these files would typically be restored, even if this was not desired.

System action

User response

Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow IBM Storage Protect Snapshot to back up any file stored in a file system that will be backed up, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') that contains a list of all files and directories that are allowed to be processed during backup. Any directory you add to the 'negative list' is processed recursively. Note that there is only one 'negative list' for backup and restore. See FMM6969E for restore.

FMM8362E: The trace parameters YES, NO, ON, and OFF cannot be set in conjunction with other trace parameters.

Explanation

The values YES, NO, ON and OFF in conjunction with the TRACE keyword do not allow further trace flags to be set. They are mutually exclusive.

System action

User response

Check the IBM Storage Protect for ERP profile keyword TRACE and make appropriate adjustments.

FMM8363E: The value *value* is not a valid trace flag.

Explanation

The value specified for the TRACE keyword is invalid.

System action

User response

Check the IBM Storage Protect for ERP profile keyword TRACE and make appropriate adjustments.

FMM8364E: Error while parsing parameter CONFIG_FILE. Directory '*directory*' for node '*node*' does not exist.

Explanation

The base directory containing the IBM Storage Protect for ERP configuration file(s) for any participating DB2 partition does not exist or cannot be accessed.

System action

User response

Ensure that the directory denoting the base part of the CONFIG_FILE value (left part of the %DB2NODE substring) exists and has the right permissions.

FMM8365E: The server stanza for LOG_SERVER '*server*' is missing.

Explanation

A IBM Storage Protect server stanza used by the LOG_SERVER keyword is missing either in the option file (dsm.opt) or in the system options file (dsm.sys).

System action

User response

Either the value of the LOG_SERVER keyword in the IBM Storage Protect for ERP profile has to be adjusted or an entry must be made or adjusted in the appropriate option file.

FMM8366E: The values for parameter *parameter* are expected to be in the range 0 to 6.

Explanation

The values of the keyword USE_AT have to be in the range of 0 to 6.

System action

User response

Check the IBM Storage Protect for ERP profile keyword USE_AT and make appropriate adjustments.

FMM8367E: You cannot freeze the filesystem without suspending or shutting down the database.

Explanation

Check the IBM Storage Protect for ERP profile keyword USE_AT and make appropriate adjustments.

System action

User response

Ensure either to suspend the database or to bring the database offline and try to freeze the filesystem again.

FMM8368E: An invalid argument is specified for keyword *keyword*.

Explanation

The specified argument could not be converted into an equivalent integer value.

System action

User response

Check the keyword argument and try again. If the problem cannot be resolved contact your IBM support personnel.

FMM8369E: Failed to execute *program*. Reason: *reason*.

Explanation

The execution of *program* failed.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8370E: The profile option TARGET_DATABASE_SUSPEND = OFFLINE is not allowed for an online database backup.

Explanation

A snapshot backup of a database that was not suspended can only be done in offline mode.

System action

Processing stops.

User response

Start the BRBACKUP utility with the option '-t offline -d util_vol' and try again.

FMM8371E: The profile parameter NEGATIVE_LIST is not allowed. Use BR-TOOLS option "-n" to specify the negative list.

Explanation

The negative list value has to be specified in the init<SID>.sap profile via the option 'util_vol_nlist = (*nfile_name1*, *nfile_name2*, ...) | no_check'.

System action

User response

Adjust the init<SID>.sap profile accordingly and try again.

FMM8372E: The profile option TARGET_DATABASE_SUSPEND=YES requires a backup of type volume_online. To solve this problem either the profile parameter TARGET_DATABASE_SUSPEND can be set to OFFLINE or NO or the brbackup backup device type should be set to util_vol_online. Keep in mind, when you set the profile parameter TARGET_DATABASE_SUSPEND to NO, the snapshot

backup may be mounted on a backup system to verify its consistency. Make sure that a backup system is configured in that case.

Explanation

A snapshot backup of a database that was suspended can only be done in online mode.

System action

User response

Start the BRBACKUP utility with the option '-t online -d util_vol' and try again.

FMM8373W: The operation will execute the force option (-F).

Explanation

Start the BRBACKUP utility with the option '-t online -d util_vol' and try again.

System action

User response

None.

FMM8374W: Operation will terminate with error, because backint was executed with verify option (-V).

Explanation

The verify option simulates the requested option and does not create a valid backup or restore. In order to prevent the calling process from regarding the current operation as successful, the verify option will always yield a nonzero return code.

System action

User response

Do not use the verify option if you want to create a backup or restore.

FMM8375E: The value of the environment variable ORACLE_SID is not allowed to have more than *number* digits.

Explanation

The length of the ORACLE_SID value violates the defined range.

System action

User response

Check the current value of ORACLE_SID and if necessary, correct it according to the allowed length. Try again.

FMM8376E: Verification of snapshot failed. Reason:*reason*

Explanation

The snapshot backup could not be verified successfully.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8377E: Function *function* does not support multiple backup ids within a single operation.

Explanation

IBM Storage Protect Snapshot was requested to perform a volume *function* operation simultaneously for a set of objects that were backed up with multiple volume backup requests. This is currently not supported.

System action

User response

Use backups stored on the IBM Storage Protect server to perform redirected restores or adjust the restore command.

FMM8378E: Redirected restore of volume backups is not supported yet.

Explanation

IBM Storage Protect Snapshot does not support restores to an alternate data location. The restore always needs to be made to the original data location.

System action

User response

Use backups stored on the IBM Storage Protect server to perform redirected restores.

FMM8379E: Infile contains an invalid value: '*value*'

Explanation

Each record of the infile has to start either with the string '#NULL' or with the backup Id.

System action

User response

Ensure each record of the infile satisfies the requirements. If the problem cannot be resolved contact your IBM support personnel.

FMM8380E: The profile option TSM_BACKUP=YES requires a snapshot backup of all partitions of the database.

Explanation

The profile option TSM_BACKUP=YES implies offloading a snapshot backup to IBM Storage Protect. If this option is specified, all database partitions have to be part of the snapshot backup.

System action

User response

Specify the "ALL DBPARTITIONNUMS" clause as part of the DB2 backup command and try again.

FMM8381W: The following error occurred while verifying the configuration for server '*server_name*' in the profile:

Explanation

The profile section for server *server_name* is not correct. The actual error is following this message.

System action

User response

Adjust the profile and correct the error following this message.

FMM8382E: The previous error(s) can be prevented by executing restore with negative list set to "no_check".

Explanation

An error occurred while inspecting file systems for files that should be excluded during the backup/restore operation. This error precedes the current message. Note that the file system inspection can be turned off by setting the parameter "NEGATIVE_LIST" to "NO_CHECK".

System action

User response

Resolve the root cause for this problem (previous error) or change the value of the parameter "NEGATIVE_LIST" to "NO_CHECK". Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the IBM Storage Protect Snapshot profile and set the parameter "NEGATIVE_LIST" to "no_check" • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter "util_vol_nlist" to "no_check" Note that changing "NEGATIVE_LIST" to "NO_CHECK" implies that IBM Storage Protect Snapshot would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

FMM8383E: BR-Tools are required to set the environment variable BI_RUN for volume backups.

Explanation

This is a unique ID from a BR*Tools run (normally it is the name of the BR*Tools log). If this variable is set then BACKINT recognizes that a call from BR*Tools 7.10 or higher was triggered.

System action

User response

Ensure that BR*Tools 7.10 or later is used and rerun the operation.

FMM8384E: Failed to determine the APPLICATION_TYPE of the profile. Please invoke wizard with option -m <application type>.

Explanation

'acsd -f wizard' was invoked to modify an existing profile, and the APPLICATION_TYPE could not be identified by inspecting this profile. This is required in order to properly adjust the profile.

System action

User response

Provide the application type when invoking the wizard with options 'acsd -f wizard -m <application type>'. The preferred method, however, is to call the setup script without options.

FMM8385E: In order to create a new profile the wizard needs to be invoked with option -m <application type>.

Explanation

"acsd -f wizard" was invoked to create a new profile. In this case it is required to specify the application type with option -m.

System action

User response

Provide the application type when invoking the wizard by using the options "acsd -f wizard -m <application type>". Alternatively, you can use the database-specific version of the setup script (setup_<database>.sh) to create a new profile and configure IBM Storage Protect Snapshot.

FMM8386E: Parameter *parameter name* requires a decimal value of 0 or greater.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8387W: The following extra files are found in the directories to be backed up: '*filename*'

Explanation

The extra files were not requested to be part of the backup. The files may be copied if they are located in a file system that is to be backed up in its entirety. If the files are in a file system that does not participate in the backup they are not copied.

System action

User response

To avoid generating this message, edit the "CLIENT" section of the profile. You can set the parameter "NEGATIVE_LIST" to "NO_CHECK". Then, IBM IBM Storage Protect Snapshot backs up any file that is stored in a file system participating in the backup. Alternatively, you can set the "NEGATIVE_LIST" parameter to point to a file ("negative list") containing a list of all files and directories that are allowed to be processed during the backup. Any directory that you add to the "negative list" file is processed recursively. Note there can be only one "negative list" file for both backup and restore operations.

To avoid false warnings for files in the nested file systems that do not participate in the backup, add the mount points of the nested file systems to the "negative list" file.

To avoid false warnings for files or directories that are pointed to by symbolic links and that do not participate in the backup, add the file system mount points of these files to the "negative list" file.

Note: FlashCopy Manager does not automatically include nested file systems and files pointed to by symbolic links in the FlashCopy backup operation.

FMM8388W: Additional files to restore were discovered on the file systems: '*file list*'

Explanation

A FlashCopy restore operation is performed with the profile parameter NEGATIVE_LIST set to WARN. This operation replaces complete file systems with the content of the file systems at the time of backup. Each file that currently resides on the file systems to be restored (but were not part of the original backup) will be listed.

System action

Processing continues.

User response

None.

FMM8389W: The following volume groups / file systems are currently not accessible: *volumegroups/filesystems*

Explanation

The listed volume groups or file systems are not accessible. IBM Storage Protect Snapshot tries to verify that only database files reside in the volume groups or file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted or the volume groups are not imported, or both. This warning message is followed by message FMM9390E which gives more information.

System action

User response

This is just a warning message. Follow the instructions of the user response of FMM8390E.

FMM8390E: Failed to validate that only database files will be overwritten during restore, because some of the database filesystems are currently not accessible. Please import volume groups and/or mount all filesystems and restart the restore. If you cannot mount the filesystems as a consequence of a disaster or a failing previous restore operation, this error can be prevented by executing restore with negative list set to "no_check".

Explanation

IBM Storage Protect Snapshot tries to verify that only database files reside in the volume groups / file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted and/or the volume groups are not imported.

System action

User response

There are two options to solve this problem: 1. Import all volume groups and mount all file systems that contain database files. 2. If the first option is not possible as a consequence of a disaster or a failing previous restore operation, the negative list check cannot be performed at all and must be switched to "no_check". Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the IBM Storage Protect Snapshot profile and set the parameter "NEGATIVE_LIST" to "no_check" • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter "util_vol_nlist" to "no_check" Note that changing NEGATIVE_LIST to NO_CHECK implies that IBM Storage Protect Snapshot would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

FMM8391E: '*bytes_requested*' bytes were requested to be read from the file '*filename*' but only '*bytes_read*' bytes could be read.

Explanation

The specified number of bytes requested to be read from the specified filename could not be read.

System action

Processing ends.

User response

Check if the file size is smaller than the number of requestd bytes.

FMM8392E: An error occured while restoring the file '*filename*'

Explanation

The restore operation failed for the identified file. The restore process continues with the other files.

System action

Processing continues.

User response

A restore failure occurs for different reasons. Please check for previous error messages that provide more information about the reason.

FMM8393E: The keyword TARGET_SET requires a target set name as argument.

Explanation

The keyword TARGET_SET specified within the target set definition file needs to be followed by an argument defining the unique name of the target set.

System action

Please have a look into your target set file (.fct) and correct the entry accordingly.

User response

FMM8394E: Error while parsing TARGET_SET *target set name*: Illegal number of arguments.

Explanation

The keyword TARGET_SET specified within the target set definition file needs to be followed by exactly one argument defining the unique name of the target set. No additional arguments are allowed.

System action

User response

Please have a look into your target set file (.fct) and correct the entry accordingly.

**FMM8395E: Error while parsing TARGET_SET *target set name* in volumes file:
A multi partition backup requires the use of the keyword PARTITION in the
target set section.**

Explanation

On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply.

System action

User response

Modify your target set definition file accordingly. Example: >>> TARGET_SET SET_1 >>> PARTITION
NODE0000 TARGET_VOLUME 40913158 - - TARGET_VOLUME 40A13158 - - <<< >>> PARTITION NODE0001
TARGET_VOLUME 40B13158 - - TARGET_VOLUME 50913158 - - <<< <<<

**FMM8396E: Error while parsing TARGET_SET *target set name* in volumes file:
It is not allowed to specify a portion of a target set without keyword PARTITION,
if this keyword is used for other portitions in the same target set definition.**

Explanation

On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply. As soon as embedded PARTITION subsections are used this means that ALL TARGET_VOLUME entries need to be enclosed in PARTITION subsections.

System action

User response

Correct your target set definition file accordingly.

**FMM8397E: Error while parsing TARGET_SET *target set name* in volumes file:
the parameter PARTITION requires exactly one parameter.**

Explanation

On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections. The keyword 'PARTITION' needs to be followed by the unique name of the partition.

System action

User response

Check whether all PARTITION subsections within your target set definition file have a unqiue partition name and correct the entries if necessary.

FMM8398E: Error while parsing statement '*parameter name*' in profile. The statement '*from or to*' is required to be in the form hh:mm.

Explanation

The optional conditions 'FROM' and 'TO' of the profile parameter '*parameter name*' need to be followed by a time in the format 'hh:mm'.

System action

User response

Please check your profile and correct the times accordingly.

FMM8399E: The mode *mode* of parameter *parameter* is only supported for *device_type* .

Explanation

The requested mode *mode* is only supported for *device_type*.

System action

Processing ends.

User response

Choose a supported mode..

FMM8400E: Error while parsing statement '*device class*' in profile. The statement *partition number* is required to be a number.

Explanation

The optional condition 'ON_PARTITIONN' of the profile parameter 'DEVICE_CLASS' needs to be followed by an integer number.

System action

User response

Please check your profile and correct the 'ON_PARTITIONN' entries accordingly.

FMM8401E: DEVICE_CLASS *device class* was encountered multiple times within a single DEVICE_CLASS statement.

Explanation

The parameter 'DEVICE_CLASS' of the 'CLIENT' section allows to enlist multiple device classes which are then applied in a round robin process. However, each enlisted device class must not occur multiple times within the same enumeration.

System action

User response

Please check your profile and correct the 'DEVICE_CLASS' entries accordingly.

FMM8402E: No DEVICE_CLASS found that can be used for the current operation.

Explanation

The application of a 'DEVICE_CLASS' entry within the 'CLIENT' section of the profile can be restricted by a number of optional conditions, e.g. by time frame or DB2 partition number. If this error occurs none of the DEVICE_CLASS entries within the profile matches the conditions currently given (current time, given partition, given weekday).

System action

User response

Check the conditions specified for the 'DEVICE_CLASS' entries within your profile. It needs to be ensured that exactly one entry matches any imaginable condition at any time.

FMM8403E: The keyword *keyword* was found multiple times without qualifier *qualifier*.

Explanation

If the parameter *keyword* is specified without additional qualifiers it is representing the global default. This global default can be defined only once. All other entries of parameter *keyword* need to be restricted by additional conditions.

System action

User response

Please check your profile. The parameter *keyword* must not occur multiple times without additional conditions.

FMM8404E: The following statement contains incompatible options *statement*.

Explanation

The parameter *statement* within the 'CLIENT' section of the profile is followed by additional options which are contradictory to each other.

System action

User response

Please check the parameter *statement* within your profile. For example, it is not possible to combine the options 'MANDATE' and 'TSM_ONLY'.

FMM8405E: The following statement is missing mandatory options *statement*.

Explanation

The parameter *statement* within the 'CLIENT' section of the profile must be followed by an option defining the mode of how offline backups are handled.

System action

User response

Please check the parameter *statement* within your profile. It needs to include either 'NO', 'YES', 'MANDATE', or 'TSM_ONLY' as an option.

FMM8406E: There are two *object type* associated with partition *partition name*.

Explanation

The profile associates the same partition with multiple objects of *object type*. The name of the partition and of the *object type* are identified in this message.

System action

The operation fails.

User response

Update the profile so that each partition is listed as a member of only one object of *object type*.

FMM8407E: An illegal partition number has been specified for *parameter candidate name*.

Explanation

The parameter *parameter* expects integer partition numbers as argument.

System action

User response

Please check the parameter *parameter* within your profile and correct it accordingly.

FMM8408E: The parameter *parameter* is not allowed as a name for a target set.

Explanation

One possible distinctness of the parameter 'TARGET_SET' is to specify target set definitions via a naming convention instead of a target set definition file (for SVC only). The argument *parameter* does not meet these naming conventions.

System action

User response

Please check the arguments of the parameter 'TARGET_SET' within your profile and correct them accordingly.

FMM8409E: The parameter TARGET_NAMING is required to contain the wildcards *source* and *targetset*.

Explanation

The parameter 'TARGET_NAMING' needs to follow particular conventions including the wildcards *source* and *targetset* to be valid.

System action

User response

Please check the arguments of the parameter 'TARGET_NAMING' within your profile and correct them accordingly.

FMM8410I: Invoking suspend script *suspend script*.

Explanation

The suspend script has been invoked. This script suspends the application immediately before the actual FlashCopy process is initiated.

System action

User response

Watch for additional messages regarding the success of the suspend operation.

FMM8411I: Script returned with return code *return code*

Explanation

A suspend or resume operation failed and issued the corresponding error code.

System action

User response

Please check for more information in the output that preceeds this message.

FMM8412I: Start resume script *resume script*.

Explanation

The resume process has started. Applications which have been suspended immediately before the actual FlashCopy operation are resumed after this process completes.

System action

Watch for additional messages regarding the success of the resume operation.

User response

FMM8413I: Continue script *script* to resume.

Explanation

The identified script is resuming the operation.

System action

User response

Watch for successive messages informing about the success of the resume operation.

FMM8414E: Error while parsing profile *profile*: Delimiter '*delimiter*' missing.

Explanation

A syntax error has been detected within your profile.

System action

User response

Please check the syntax and format of your profile.

FMM8415E: A size has been specified for the file '*file*' in the infile, but the requested file is not a raw device.

Explanation

A size was specified (in the infile) for the stated file. However, the file does not refer to a raw device. A size specification is allowed for raw devices only.

System action

User response

Verify that the correct entries are specified in the infile.

FMM8416E: The specified backup ID '*backup id*' must have 16 characters.

Explanation

The backup ID is expected to be exactly 16 characters.

System action

User response

Verify the given backup ID. If it contains 16 characters, make sure that it does not contain any special characters.

FMM8417E: File '*file*' has not been found in any backup.

Explanation

No backup version of the file to be restored is available.

System action

Processing continues to restore other requested files that are available.

User response

If you have provided the names of the files please check for wrong names in the input. If the restore was started by SAP BR*Tools the version of this file might have been deleted on the IBM Storage Protect server.

FMM8418E: The backup ID '*backup id*' has not been found.

Explanation

The backup ID was not found in the backup repository. As a result, the requested backup cannot be restored.

System action

Processing stops.

User response

If you have provided backup ID please check for wrong entries in the input. If the restore was started by SAP BR*Tools this backup might have been deleted on the IBM Storage Protect server.

FMM8419E: File '*file*' was not found in the backup identified with backup ID '*backup id*'

Explanation

The specified file was not found in the backup and was removed from the list of files to be restored.

System action

User response

None.

FMM8420E: Full file-based backups into the repository are not allowed when 'ALLOW_FULL_FILE_BACKUP' is set to 'NO'.

Explanation

If you want to use *FlashcopyManager* to perform a backup with options `util_file` or `util_file_online`, set the option `ALLOW_FULL_FILE_BACKUP` to `YES` in the profile.

System action

User response

Correct the setting for the parameter within your profile. You can also change backup options.

FMM8421I: Modifying existing profile '*profile file*' for application '*application type*' ...

Explanation

An existing profile was found by the profile wizard and will be modified during subsequent configuration actions.

System action

User response

None.

FMM8422I: Creating new profile '*profile file*' for application '*application type*' ...

Explanation

No existing profile was found. The profile wizard will create a new profile.

System action

User response

None.

FMM8424E: Operation not allowed for this parameter.

Explanation

An invalid value was entered for the current parameter.

System action

User response

Enter a valid value for this parameter. View help for a parameter by entering a question mark ("?").

FMM8426I: Saving profile '*profile*' ...

Explanation

The profile wizard writes the profile to the file system.

System action

User response

None.

FMM8428W: No help available for this parameter

Explanation

No help information is available for the current parameter.

System action

User response

Check the product documentation for help information about this parameter.

FMM8431E: Application Type '*application type*' is not a valid type.

Explanation

An invalid application type was specified in the profile wizard command.

System action

User response

Issue the command again using a valid application type. Supported application types are DB2, SAP, ORACLE, SAP_ORACLE, GENERIC, and VMWARE.

FMM8432E: Invalid function: *function invalid* (supported: *function supported*)

Explanation

The function specified for the profile wizard -f option is invalid.

System action

User response

Issue the command again and specify a valid function. The only supported function is "password".

FMM8433E: Wrong system mode: *system mode* (supported: PS | BS | PSBS)

Explanation

The system mode specified in the profile wizard is invalid. These three system modes are supported: PS - the wizard creates a profile for the Production System BS - the wizard creates a profile for the Backup System PSBS - the wizard creates profiles for both the Production and the Backup System

System action

User response

Issue the command again and specify a valid system mode. Supported system modes are PS, BS, PSBS.

FMM8435W: Annotation file '*file*' could not be loaded.

Explanation

The annotation file is required by the profile wizard for displaying more expressive prompts and online help. However, if this file is missing the wizard is still operational.

System action

User response

The annotation file is integral part of the product. If it is missing this means your product installation is corrupt. Please perform a reinstallation. If the warning message still occurs please contact your support line.

FMM8436W: Problems occurred on final validation of profile. Incorrect parameters have been marked in the written profile. Please check.

Explanation

Profile parameters for that a user-defined value is obligatory have been skipped without specifying a value.

System action

User response

Please rerun the profile wizard for the given profile and ensure you specify a valid value for each parameter marked with *input mandatory*.

FMM8437I: Verifying password...

Explanation

After a password has been entered the wizard is verifying it by performing a test connection to the according entity.

System action

User response

Wait for outcome of the verification. If the verification is successful the wizard proceeds with the next password or writes the password files. If the verification fails the user is asked whether he wants to retry or ignore the issue.

FMM8439E: Could not read password filename from profile '*profile*'. File does not exist. (Check options -p, -b)

Explanation

If the filename for the password file is not explicitly specified by the option '-b' the wizard tries to read this information from the profile. The profile being consulted is either the default profile 'profile' or the profile specified by option '-p'. If this error occurs there is either no default profile available or the profile specified by option '-p' does not exist.

System action

User response

Check options '-p' and '-b'.

FMM8440E: '*number of disks*' disks have been found for datastore '*datastore name*'. Only one disk per datastore is supported for the following environments: IBM DS8000 IBM NSeries NetApp.

Explanation

The specified datastore cannot be backed up by IBM Storage Protect Snapshot because of environmental limitations. See error message for more detail.

System action

Processing ends.

User response

Reduce the number of disks of the datastores to include in the backup to one or use consistency groups in case the IBM XIV storage system is used.

FMM8441E: Please specify either only backup id's or only backup id's with files.

Explanation

You specified some backup id's with files and some backup id's without files.

System action

User response

Please specify either only backup id's or only backup id's with files.

FMM8445E: Invalid cloning mode: *cloning mode invalid* (supported: cloning_only | backup_cloning)

Explanation

The given cloning mode is invalid. These two cloning modes are supported: cloning_only - for pure cloning configurations backup_cloning - for configuring a database instance for cloning and backup/restore

System action

User response

Issue the command again and specify a valid cloning mode.

FMM8446E: The restore operation requires the command line option -P <Partition group> to be specified.

Explanation

For restore operations in DB2 DPF environments where the profile parameter PARTITION_GROUP is used, it is required to specify the command line option -P <Partition group> on the restore command.

System action

User response

Issue the command again and specify a valid partition group.

FMM8448E: Another section of the same type already exists under the given name '*name*'. Specify another name.

Explanation

Sections must be named unique. The specified name is already in use for another section of the same type.

System action

Processing continues

User response

Choose another section name which is not already in use by another section of the same type.

FMM8450E: The entry in InFile is not a valid file or directory: '*entry*'.

Explanation

The files or directories specified in the InFile have to exist prior the backup operation is started.

System action

Processing ends.

User response

Verify the reported invalid entry in the InFile and revise the entry accordingly.

FMM8463W: The '*file*' file does not exist. It must be created before the configuration can be used by IBM Storage Protect Snapshot.

Explanation

The file that you specified at configuration time is not yet existing. The configuration is not usable for any operation until the file is created.

System action

Processing continues.

User response

Ensure that you typed the correct name of the file. If the file name is indeed correct, ensure that the file is created at the specified location before the configuration is used in production.

FMM8464W: The specified host name or IP address '*host*' cannot be associated with a local network interface on this system.

Explanation

The attempt to establish a listening TCP/IP server socket failed for the given host/port combination. The provided host name or address is expected to resolve to a local network interface.

System action

User response

An attempt to bind a TCP/IP server socket to the specified host on the specified port (or the default port if the port is not specified) was not successful. This test is successful only when the specified host or IP address corresponds to a local network interface.

FMM8465E: The value *value* for parameter *parameter* is out of valid range (*min* - *max*).

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8467E: "-d" flag is deprecated for Oracle environments. The source database name is determined automatically.

Explanation

"-d" flag is deprecated.

System action

Processing ends.

User response

Do not use "-d" flag in Oracle environments.

FMM8468W: The front-end capacity report for total protected size for this database is not available. Front-end capacity will be set to 0.

Explanation

Total protected size for the database could not be queried.

System action

Processing continues.

User response

Ignore this message, and continue operations.

FMM8469E: Parameter *parameter* requires a value greater than or equal to '0'.

Explanation

The value specified for the named parameter does not comply with the defined range of values.

System action

User response

Check the named profile keyword and make appropriate adjustments.

FMM8470E: Parameter *keyword* requires a setting of either 'YES' or 'AUTO'.

Explanation

For the named parameter, the values 'YES' or 'AUTO' must be applied.

System action

Processing stops.

User response

Correct the profile or the call as appropriate.

FMM8471E: Device class *deviceclass* is used already in a different entry for parameter *parameter*.

Explanation

The device class is already used. Do not use it multiple times for parameter MAX_VERSION.

System action

Processing continues

User response

If the device class parameter is already specified in the profile, correct the profile. If the parameter is specified already as a command line option, rerun the setup script.

FMM8472E: Only one default value is allowed for parameter *parameter*.

Explanation

The default is already set for this parameter.

System action

Processing continues

User response

If the default for this parameter is already specified in the profile, correct the profile. If the parameter was specified already as a command line option, correct the entry.

FMM8473E: the value *adaptive* is only allowed as the default for parameter *parameter*

Explanation

The default value that you specified is not allowed for a specific device class.

System action

Processing continues

User response

If the default for this parameter is already specified in the profile, correct the profile. If the parameter is specified as a command line option, correct the entry.

FMM8474E: Parameter *parameter* is already set with a different value. The value Adaptive is only allowed as a default without additional entries.

Explanation

The default value that you set is not allowed if more than one entry is set. Delete other entries to set this parameter to Adaptive.

System action

Processing continues

User response

If additional entries for this parameter are set in the profile, correct the profile. If there are additional parameter entries specified as command line options, delete these entries.

FMM8476E: Input value '*input_value*' is not an absolute path. However, the '*parameter*' parameter must be specified as an absolute path.

Explanation

The value that is specified for the parameter indicated is not an absolute path, as is required.

System action

Processing ends.

User response

Specify the value of the parameter as an absolute path.

FMM8477E: Input value '*input_value*' is not a valid directory. However, the '*parameter*' parameter must be a valid directory.

Explanation

The value that is specified for the parameter is not a valid directory.

System action

Processing ends.

User response

Specify an appropriate directory for the parameter.

FMM8503E: No ESX host that can be used for instant restore was found.

Explanation

No ESX host can be found. An ESX host is needed to add data stores and to register virtual machines as part of the instant restore operation.

System action

Processing ends.

User response

Add an ESX host to your virtual environment.

FMM8504E: The '*datastore name*' data store cannot be mounted on the following ESX hosts: '*ESX host list*'. There are no other ESX hosts to try.

Explanation

The specified data store cannot be attached to any of the listed ESX hosts. The processing cannot continue.

System action

Processing ends.

User response

Configure your storage and network so that the specified data store can be mounted on one of the specified ESX hosts.

FMM8505E: The '*data store name*' data store is mounted on the following disconnected ESX hosts: '*ESX host list*'. The data store cannot be unmounted when these ESX hosts are in the disconnected state.

Explanation

The specified data stores are mounted at the specified ESX hosts. These ESX hosts are disconnected. Therefore the data stores cannot be unmounted and the instant restore operation cannot proceed.

System action

Processing ends.

User response

Remove the specified ESX hosts completely from your vSphere environment or reconnect them.

FMM8506E: The configured storage device cannot be used in a VMware NAS environments.

Explanation

The configured storage device cannot be used in a VMware network-attached storage (NAS) environment.

System action

Processing ends.

User response

Check the IBM Storage Protect Snapshot requirements to ensure that you use a supported storage device.

FMM8507W: The original data store cluster cannot be found: '*datastore cluster name*'. The data store '*datastore name*' is restored to the root directory of data center '*data center name*'.

Explanation

The named data store cannot be associated to the specified data store cluster. The data store cluster that it was associated to during the backup process is not available at restore time. In the intervening time between backup and restore, the data store cluster was deleted, renamed, or moved.

System action

Processing continues.

User response

After the restore process is completed, the data store can be reassigned to the appropriate data store cluster.

FMM8508E: An invalid value was specified for parameter *parameter name* in the IBM Storage Protect Snapshot profile. The following options must not be specified: *list of invalid options*.

Explanation

Some options contained in the named parameter cannot be specified because they are set automatically by IBM Storage Protect Snapshot.

System action

Processing ends.

User response

Remove the options listed in the message, and rerun the operation.

FMM8509E: The directory '*directory*' or one of its parent directories could not be created on the backup system or the IBM Storage Protect Snapshot instance owner user does not have write permission to the directory. The specified directory is required for a temporary control file copy. Create the directory on the backup system and ensure that the IBM Storage Protect Snapshot instance owner user has write permissions to it.

Explanation

The specified directory is required for a temporary control file copy so that the control file copy can be backed up by RMAN from the same path that existed on the production system. If IBM Storage Protect Snapshot is installed into a shared file system on the production system, that exact path must exist on the backup system.

System action

Processing stops.

User response

Create the specified directory on the backup system and ensure that the IBM Storage Protect Snapshot instance owner user has write permissions to it.

FMM8510E: Database instance '*instance name*' could not be started because the default database profile could not be found.

Explanation

Even for an offline backup the database must at least be mounted. If the profile for the Oracle database is not specified with profile parameter TARGET_DATABASE_PARAMETER_FILE then IBM Storage Protect will start the database in mount mode using the default profile. The message indicates that both the PFILE (parameter file) and the SPFILE (server parameter file) for this database instance could not be found.

System action

Processing ends.

User response

The current operation must be executed by the oracle instance owner. Check if the environment for the current user is set up properly. Especially verify the environment variables ORACLE_SID and ORACLE_HOME.

FMM8511I: The command is: *command name*

Explanation

This is an information message echoing the command.

System action

User response

None.

FMM8512I: Return code is: *return code*

Explanation

This message shows the return code of the Backup Object Manager. Valid return codes: 0 The requested action was performed successfully. 1 The requested action was performed successfully; however, some warnings were issued. 2 or greater The requested action could not be performed due to errors. In this case, an error message should be logged, too.

System action

User response

None if the return code is 0. If the return code is greater than 0, analyze the error and/or warning messages. Resolve errors before starting the action again.

FMM8513W: 'TDP_DIR' is not set. The temporary path will be used.

Explanation

The environment variable 'TDP_DIR' is not set and therefore, the log will be written to the system's temporary path instead.

System action

User response

Set the 'TDP_DIR' environment variable.

FMM8514W: 'TDP_DIR' is not set correctly. The temporary path will be used.

Explanation

The variable TDP_DIR is set but contains an invalid path. All run logs will be written to the machines temporary directory instead.

System action

User response

Check and reset the environment variable TDP_DIR.

FMM8515W: Volume *volume group* is shared across partitions. This might result in severe restrictions during the restore operation. Consult the manual for details.

Explanation

The specified volume group contains data from multiple partitions. As a consequence, individual database partitions cannot be restored. For DB2, this means that you cannot use the native DB2 restore and recovery commands. Instead, you must restore your database using 'tsm4acs -f restore'.

System action

The operation continues.

User response

No action is required for backup operations. Restore operations need to be performed using 'tsm4acs -f restore' instead of using the native interface commands.

FMM8516E: The restore operation terminated because more objects than requested would have been restored.

Explanation

Multiple partitions were residing on the same volume group at backup time. A restore can only be performed with 'tsm4acs -f restore'. Also, a partition group must be specified with this command.

System action

The operation terminates.

User response

Run the restore operation again using 'tsm4acs -f restore -P <partition group>'.

FMM8517E: Function '*name*' cannot operate on multiple partitions simultaneously. Run the operation again with a single partition.

Explanation

The operation started so that multiple database partitions were used (for example tsm4acs was started with option '-P <partition group>' and the specified partition group was representing multiple database partitions). This is not supported for the specified function.

System action

Operation will fail.

User response

Run the operation again so that it uses only one database partition.

FMM8518E: Unable to stop db2.

Explanation

A restore was started while the database was still up and running.

System action

Operation will fail.

User response

Stop the database and restart the restore operation.

FMM8519E: Unsupported database / application type.

Explanation

The requested operation was implemented on an application that does not support this operation.

System action

Operation will fail.

User response

Consult the user manual on how to perform the operation you requested.

FMM8520E: No command was specified.

Explanation

backom was called without a command line.

System action

User response

Check the command syntax and correct the call.

FMM8521E: Command option '*command option*' requires an argument.

Explanation

A command option requiring an argument was specified without an argument.

System action

Check the command syntax and correct the call.

User response

FMM8522E: Invalid command '*command*'.

Explanation

backom was called with an invalid command.

System action

User response

Check the command syntax and correct the call.

FMM8523E: Error during *action*.

Explanation

An error occurred while performing the named action.

System action

User response

Look for other error messages in order to analyze the problem.

FMM8524E: An online restore of the Tablespace is not allowed.

Explanation

Either the database setup or the kind of backup prevents an online table space backup.

System action

User response

If you need to do a table space restore it must be done offline.

FMM8525E: The DB2 instance name can consist of at most *characters* characters.

Explanation

The name given for the DB2 instance does not comply with the DB2 naming conventions.

System action

User response

Correct the DB2 instance name.

FMM8526E: The DB2 database alias can consist of at most *characters* characters.

Explanation

The name given for the DB2 alias does not comply with the DB2 naming conventions.

System action

User response

Correct the DB2 alias name.

FMM8527E: Invalid node. Specify it in the format *node format*.

Explanation

The name given for the DB2 node does not comply with the DB2 naming conventions. Node numbers must be specified in the displayed format, for example 'NODE0000' or '0000'.

System action

User response

Correct the DB2 node number.

FMM8528E: Invalid timestamp. Specify the format as 'yyyymmddhhmmss', wildcards '*' or '?' are permitted.

Explanation

Specify digits in the format 'yyyymmddhhmmss' or mixed with wildcards '*' or '?'. where: • yyyy is the year, specified as four digits, • mm is the month, specified as two digits, with leading zero for the months January to September, • dd is the day of the month, specified as two digits, with leading zero for days 1 to 9, • hh is the hour of the day, 00 to 23, with leading zero for hours 0 to 9, • mm is the minutes of the hour, 00 to 59, with leading zero for minutes 0 to 9, • ss is the second of the minute, 00, to 59, with leading zero for seconds 0 to 9. Any digits can be replaced by wildcards '*' or '?', where • * means any number of any digits, • ? means exactly one digit of any value.

System action

User response

Correct the timestamp.

FMM8529E: Invalid log sequence number. Specify it in the format *log sequence format*.

Explanation

The information on the log sequence number(s) does not comply with the expected format. Accepted log sequence numbers are for example '123' or 'S0000123.LOG'.

System action

User response

Correct the log sequence number(s).

FMM8530E: Profile '*file name*' does not exist or cannot be accessed.

Explanation

Either an existing file could not be opened, or a file could not be created.

System action

User response

Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

FMM8531E: Directory '*file path*' does not exist or cannot be accessed.

Explanation

A file path cannot be accessed.

System action

User response

Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

FMM8532E: Invalid log chain number. Specify it in the format *log chain format*.

Explanation

The information on the log chain number(s) does not comply with the expected format. Accepted log chain number(s) are for example '123' or 'C0000123'.*file path*.

System action

User response

Correct the log chain number(s).

FMM8533E: A timestamp range is not allowed for command '*command*'.

Explanation

A timestamp range is not allowed for command restore database, restore tablespace, restore tablespace online and restore DB2 history file. Only a single timestamp argument can be used.

System action

User response

Correct the timestamp command option.

FMM8534E: Command option '*command option*' is missing.

Explanation

A command was issued without specifying a required command option.

System action

Check the command syntax and correct the call.

User response

Check the command syntax and correct the call.

FMM8535E: Invalid output mode. Specify one of the keywords *keyword list*.

Explanation

Only the listed keyword values are allowed with the output mode command option -m.

System action

User response

Correct the output mode command option.

FMM8536E: Wildcard characters are not allowed for command '*command*'.

Explanation

For the BackOM commands 'restore database', 'restore tablespace', 'restore tablespace online' and 'restore DB2 history file' it's not allowed to specify the wildcard characters '*' and '?' in a timestamp command option.

System action

User response

Correct the timestamp command option.

FMM8537E: The path '*path*' is not absolute.

Explanation

A command line argument requires a fully qualified path which was not given.

System action

User response

Specify the fully qualified path.

FMM8538E: The Tablespace Definition Information '*file name*' cannot be processed.

Explanation

The TDI file could not be parsed because of errors. There are more specific parser error messages before this message occurs.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8539E: The parameter PARTITION_GROUP is not allowed in the client section for non-SAP environments. The DB2_WORKLOAD parameter must specify SAP.

Explanation

The parameter PARTITION_GROUP was specified in the client section of the profile, but the application is not a DB2 system running SAP.

System action

Operation will fail.

User response

You cannot use the parameter PARTITION_GROUP in your environment. All database partitions must reside on dedicated volume groups.

FMM8540I: Using *component_name* at host *name:port*

Explanation

The *component_name* service named is used for the current action.

System action

User response

None.

FMM8541I: Using profile '*profile path*'.

Explanation

The profile named is used for the current action.

System action

User response

None.

FMM8542E: Profile '*profile path*' cannot be read.

Explanation

The Backup Object Manager tried to use the profile named but the profile was not available or could not be read. The location of the profile is specified via command line as argument to option '-e' or in environment variable 'XINT_PROFILE'.

System action

User response

Make sure that the profile is available at the location specified in option '-e' on the command line or in environment variable 'XINT_PROFILE'. Check the attributes of the profile and the corresponding directory and make sure that the file can be accessed.

FMM8543I: Querying IBM Storage Protect for file(s) '*file list*'.

Explanation

The Backup Object Manager checks if the files listed are available on the IBM Storage Protect server(s) specified in the corresponding profile.

System action

User response

None.

FMM8544I: Application agent is terminating.

Explanation

An operation is entering the cleanup phase and application agents are disconnecting.

System action

No specific system behavior.

User response

None.

FMM8545I: No *image type* image(s) found.

Explanation

A request could not be satisfied because the files to be processed are not available on the IBM Storage Protect server.

System action

User response

Check if the file(s) were specified correctly in the request.

FMM8546E: Environment variable '*environment variable*' is not set or not set correctly.

Explanation

A required environment variable is not set at all or has a value that is not allowed.

System action

User response

Check the documentation for the appropriate values of the environment variable named and set its value accordingly.

FMM8547E: Nothing to restore.

Explanation

A restore operation was started but no data was found to restore. This typically occurs when an invalid backup ID is used.

System action

Operation will fail.

User response

Specify another backup to restore.

FMM8548I: Elapsed time: *time value*

Explanation

After restore and delete, the time elapsed during the action is displayed.

System action

User response

None.

FMM8549E: Unable to create file '*file name*'.

Explanation

During restore, the file to be restored cannot be created in the target location.

System action

User response

Check if there is sufficient space available for the file to be restored. Check the attributes of the target directory; write access is required. If the target file already exists, check that write access is granted

FMM8550W: Environment variable '*environment variable*' for output mode has wrong value. Using default.

Explanation

The default output mode can be overridden by the named environment variable. Accepted values are "short", "normal", or "detailed". The system default is "short" for actions on DB2 log files, "normal" otherwise.

System action

User response

Specify an appropriate value for the environment variable named, or remove the environment variable.

FMM8551E: Not all data written to '*file path*'.

Explanation

Restoring raw or DB2 log file data ended before all data retrieved from IBM Storage Protect could be written to the file named. The file is incomplete. named.

System action

User response

Make sure there is sufficient space for the data to be restored.

FMM8552E: File '*file path*' could not be closed.

Explanation

After restoring raw or DB2 log file data, the target file could not be closed.

System action

User response

Retry the action.

FMM8553E: The file '*filename*' has not been found. This file is required for the device agent to function. Check your installation.

Explanation

One of the components that is required to be installed with the product is missing.

System action

Operation will fail.

User response

Install the product again.

FMM8554E: Unable to create directory for detailed logs: *name of directory*.

Explanation

The specified directory could not be created. Detailed log information for future operations will not be available.

System action

The product continues to operate, but detailed log information will not be written. This reduces the capability to diagnose errors.

User response

Create the specified directory manually and start 'acsd' again.

FMM8555E: Variable "DB2DBDFT" or command option "alias" is required.

Explanation

The password command needs the name/alias of the database, for which the Data Protection for SAP configuration file has to be adapted.

System action

User response

Either set the environment variable DB2DBDFT or provide the command option "alias" with the password command and try again.

FMM8556E: Unable to get hostname.

Explanation

The machines hostname could not be determined.

System action

User response

Check the TCP/IP configuration of the machine.

FMM8557E: The config file "*initfile name.bki*" could not be created.

Explanation

Data Protection for SAP tries to create the configuration file named if it is not present at the location specified by the Data Protection for SAP profile keyword CONFIG_FILE. However, the file cannot be created. This may either be caused by an incorrect path specified by keyword CONFIG_FILE, or the user may not have the appropriate permissions for creating the file.

System action

User response

Make sure the path specified by keyword CONFIG_FILE is correct and the permissions are set appropriately.

FMM8558I: Setting IBM Storage Protect password for partition '*partition number*' on host '*host name*'.

Explanation

The Data Protection for SAP IBM Storage Protect password is set on the host named for the DB2 partition indicated.

System action

User response

None.

FMM8559W: For partition '*partition number*' switch to host '*host name*' and issue the command again.

Explanation

When verifying the IBM Storage Protect password, the Data Protection for SAP configuration file is modified. If the Data Protection for SAP profile keyword CONFIG_FILE points to an NFS mounted (UNIX or Linux) or a shared (Windows) path accessible to all hosts in a DB2 ESE (EEE) environment, for example the instance home, all configuration files of the various partitions can be modified simultaneously. If, in contrast, keyword CONFIG_FILE points to a local path, only the configuration files of the local partitions can be modified. In this case, the password verification needs to be done from each host. The message indicates the partitions whose associated configuration files are not accessible. In order to avoid this administrative overhead, it is recommended to place the Data Protection for SAP configuration files in a file system shared by all hosts hosting a partition of the database.

System action

User response

Make sure to verify the IBM Storage Protect password(s) for all partitions of the database.

FMM8560E: Partition '*partition number*' not found in the database configuration.

Explanation

The DB2 partition specified could not be found in the database configuration.

System action

User response

Check the configuration of the DB2 ESE(EEE) environment (db2nodes.cfg, environment variable DB2NODE) and try again.

FMM8561W: Database '*alias*' not listed in the system database directory.

Explanation

The database *alias* does not exist. Because there is a dependency between the alias and the settings for Data Protection for SAP there might be problems during database backup or restore runs. Nevertheless, the Data Protection for SAP configuration file (init*alias*.utl) will be created and adapted.

System action

User response

Check if the alias specified does match to an entry in the DB2 system database directory. Further, check the argument for the Data Protection for SAP profile keyword CONFIG_FILE and if necessary adapt it appropriately.

FMM8562E: Target '*volume*' is missing in the target set ('*target set name*') that has been specified for restore. Review the error explanation for corrective actions.

Explanation

Prior to starting a restore, all target volumes that contain backup data are checked to make sure they are still listed in the target set definition file. The target set definition file is specified in the profile with the VOLUMES_DIR or VOLUMES_FILE parameter. This error might also occur if the backup was performed with the TARGET_NAMING parameter specified.

System action

The operation will fail.

User response

Verify that all target volumes used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively you can add the missing target volumes to the target set definition and run the restore operation again. Be aware that corrupt data might be restored if one of the volumes within the target set was used for other purposes.

FMM8563E: The target name '*backup volume*' could not be identified from source name '*source volume*' and target set '*target set*' using the current naming convention. Please review the error explanation for corrective actions.

Explanation

You are attempting a restore operation with option TARGET_NAMING defined in the profile. Before the restore operation begins, all volumes that contain backup data are checked to make sure they are still defined in the profile. If the naming convention specified with option TARGET_NAMING changed after the backup was created, this checking action fails.

System action

Operation will fail.

User response

Verify that all target volumes used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively can update the naming convention specified with option TARGET_NAMING to its original form and run the restore operation again. Be aware that corrupt data might be restored if one of the volumes within the target set was used for other purposes.

FMM8564E: The backup selected for restore resides on target set '*name*'. Either this target set definition no longer exists in the profile or the manner in which the target sets were specified has changed. Please consult the user manual for corrective actions.

Explanation

You have chosen to restore a backup which resides on a target set that has been removed from the target set definition prior to this restore operation. This occurs when you reuse the volumes associated with this target set for other purposes or by accidentally changing the target set definition.

System action

The operation will fail

User response

Verify that all target volumes (of the specified target set) used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively, you can add the missing target set to your target set definition file (when TARGET_SETS is set to VOLUMES_FILE or VOLUMES_DIR) or you can append the name of this target set to the list of target sets specified with the TARGET_SETS option.

FMM8565E: More than one DEVICE_CLASS statement is eligible for the current operation. This is not allowed.

Explanation

Multiple DEVICE_CLASS statements are specified in the CLIENT section. This is allowed only if each of those statements is restricted for use with different times and dates. For DB2, it is also possible to restrict the use of a device class to a particular partition.

System action

The operation fails.

User response

Modify the USE_AT, FROM-TO, and ON_DBPARTITIONNUMS entries of the DEVICE_CLASS statements in the profile so that at most, only one device class is used at a time.

FMM8566E: The specified DEVICE_CLASS statements are inconsistent. As a result, these pairs are ambiguous: *pairs*

Explanation

Multiple DEVICE_CLASS statements are specified in the CLIENT section. This is allowed only if each of those statements is restricted for use with different times and dates. For DB2, it is also possible to restrict the use of a device class to a particular partition.

System action

The operation fails.

User response

Modify the USE_AT, FROM-TO, and ON_DBPARTITIONNUMS entries of the DEVICE_CLASS statements in the profile so that at most, only one device class is used at a time.

FMM8567E: A node configured in PARTITION_GROUP is not present in the db2nodes.cfg file or does not reside on this host. To restore nodes that reside on a different host you need to start the restore from this host directly.

Explanation

One of the specified nodes has not been found in the db2nodes.cfg file or does not reside on this host.

System action

Operation fails.

User response

Try the operation again with different nodes specified on the command line or in the profile or rerun the restore on the correct host. Also, check the settings in the db2nodes.cfg file.

FMM8568I: All nodes from db2nodes.cfg will be restored.

Explanation

All nodes that are specified in the db2nodes.cfg file will be restored during this operation.

System action

No specific system behavior.

User response

None.

FMM8569I: Only some nodes specified in the db2nodes.cfg file will be restored. Additional restore operations might be required on other hosts.

Explanation

Some nodes that are specified in the db2nodes.cfg file will be restored during this operation.

System action

No specific system behavior.

User response

None.

FMM8570E: Unable to start db2.**Explanation**

DB2 could not be started successfully.

System action

Operation fails.

User response

Check the application logs and DB2 logs. Try this operation again when the cause of the error is corrected.

FMM8571E: Unable to initialize db2.**Explanation**

The DB2 instance could not be initialized.

System action

Operation fails.

User response

Check the application logs and DB2 logs. Try this operation again when the cause of the error is corrected.

FMM8572I: Output of db2inidb: *output*.**Explanation**

The db2inideb command output displayed.

System action

No specific system behavior.

User response

None.

FMM8573I: The password file '*filename*' has been updated successfully.**Explanation**

The password file has been updated with new or altered passwords.

System action

The password file is updated.

User response

No action is required.

FMM8574E: Syntax error: *syntaxerror*

Explanation

The syntax of this command is not valid.

System action

The password file is not updated.

User response

Check the syntax of your command including its arguments. The correct syntax is documented in the User's Guide.

FMM8575E: In this command multiple passwords were set for '*server*'. Only one password can be set for each server.

Explanation

Each command can set a server password only once.

System action

The password file is not updated.

User response

Check the command's list of server/password arguments for duplicates.

FMM8576E: The profile section '*sectionname*' does not need a password.

Explanation

This profile section does not need a password.

System action

The password file is not updated.

User response

Please check the arguments of your command. It must not contain password definitions for profile sections other than ORACLE, DB2STANDBY, and DEVICE_CLASS.

BKI8577E: The '*directory*' file does not exist which is mandatory for the correct operation of the related storage device adapter.

Explanation

Storage device adapters based on the generic device adapter framework are required to provide a customparameters.cfg file. It is expected to be bundled with the storage device adapter. If the file is missing this indicates a corrupted installation of the storage device adapter.

System action

Processing stops.

User response

Ensure that the storage device adapter has been properly installed. If necessary, contact the vendor of the storage device adapter.

FMM8578E: The backup operation cannot be run because the RMAN backup script '*file name*' does not contain the keyword "backup" on a single line of text.

Explanation

The Oracle RMAN backup script that is specified with the profile parameter DATABASE_BACKUP_SCRIPT_FILE must contain the keyword "backup" on a single line. During an offload backup, IBM Storage Protect Snapshot adjusts this script to contain the incremental level. If the keyword "backup" is missing or is not placed alone on a single line of text, then the modification of the script fails.

System action

Processing ends.

User response

Check the script and make sure that it contains the keyword "backup" on a single line with no other text.

FMM8583E: Multiple possible values for parameter 'INCREMENTAL_LEVEL' detected:*ambiguous statements*

Explanation

Multiple specifications of the parameter 'INCREMENTAL_LEVEL' with overlapping time spans have been detected in the profile.

System action

Processing stops.

User response

The parameter 'INCREMENTAL_LEVEL' can be specified multiple times within the profile to use different values at different days of the week or different times during the day. But these multiple definitions must not overlap. Correct the time specifications. Try the operation again.

FMM8584I: Delete command completed successfully.

Explanation

The object(s) specified with the delete command were successfully deleted from the IBM Storage Protect server.

System action

User response

None.

FMM8585W: Delete command completed successfully, but had warning(s).

Explanation

The object(s) specified with the delete command were deleted with warning(s) from the IBM Storage Protect server.

System action

User response

Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

FMM8586I: Delete command was aborted.

Explanation

The delete command was aborted by the user. No object(s) were deleted from the IBM Storage Protect server.

System action

User response

None.

FMM8587E: Delete command failed due to an error.

Explanation

The delete command failed during execution. Not all objects were deleted from the IBM Storage Protect server.

System action

User response

Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the delete failure. Retry the action. If the error still exists, contact the IBM Support.

FMM8588E: Delete command has not been started or no delete result information is available.

Explanation

This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action

User response

Contact the IBM Support.

FMM8589E: Query command failed due to an error.

Explanation

The query command failed during execution. Not all queried objects can be displayed.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log. In the absence of preceding error messages, contact IBM Support.

FMM8596E: The virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' cannot be backed up because it is distributed across multiple datastores. Distributed virtual machines are not supported for the following environments: IBM DS8000 IBM NSeries NetApp.

Explanation

The specified virtual machine cannot be backed up by IBM Storage Protect Snapshot because of environmental limitations. See error message for more detail.

System action

Processing ends.

User response

Exclude the specified virtual machine from the backup or use consistency groups in case the IBM XIV storage system is used.

FMM8601E: The following device class sections are missing in the profile:

Explanation

Some profile parameters refer to device class sections that are not specified in the profile.

System action

The operation fails.

User response

Add the missing device class sections to the profile or adjust the specified profile parameters.

FMM8602E: The parameter *profile parameter* is referring to device class section '*device class*' which does not exist in the profile.

Explanation

The specified profile parameter is referring to a device class section that is not specified in the profile.

System action

The operation fails.

User response

Add the missing device class section to the profile or adjust the specified profile parameter.

FMM8603E: Parameter *illegal option* is not a valid parameter for keyword *profile parameter*.

Explanation

One of the specified parameters is invalid.

System action

The operation fails.

User response

Correct the invalid parameter in the profile.

FMM8610I: Restoring *type* ...

Explanation

The restore of *type* has started.

System action

User response

None.

FMM8611I: Do you want to overwrite the existing database (y/n)?

Explanation

System action

User response

FMM8612I: Continuing restore ...

Explanation

The database restore continues.

System action

User response

None.

FMM8613E: Terminating restore ...

Explanation

An error occurred, and the database restore terminates.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager and the shared library run logs. Additional information may be found in the DB2 diagnostic log (db2diag.log).

FMM8614E: The virtual machines 'vm1' and 'vm2' have the same UUID 'uuid'. UUID's need to be unique within a backup run.

Explanation

The two specified virtual machines have the same UUID. IBM Storage Protect Snapshot cannot process two virtual machines with the same UUID.

System action

Processing stops.

User response

Update the UUID of one of the virtual machines.

FMM8615I: Restore command completed successfully.

Explanation

The object(s) specified with the restore command were successfully restored from the IBM Storage Protect server.

System action

User response

None.

FMM8616W: Restore command completed successfully with warnings.

Explanation

The object(s) specified with the restore command were restored with warning(s) from the IBM Storage Protect server.

System action

User response

Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

FMM8617I: Restore command was aborted.

Explanation

The restore command was aborted by the user. No object(s) were restored from the IBM Storage Protect server.

System action

User response

None.

FMM8618E: Restore command failed due to an error.

Explanation

The restore command failed during execution. Not all objects were restored from the IBM Storage Protect server.

System action

User response

Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the restore failure. Retry the action. If the error still exists, contact the IBM Support.

FMM8619E: Restore command has not been started or no restore result information is available.

Explanation

This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8621I: Restoring file '*file name*' ...

Explanation

The system started restoring the file indicated.

System action

User response

None.

FMM8622I: Deleting *type* ...

Explanation

The deletion of *type* has started.

System action

User response

None.

FMM8623I: Deleting file '*file name*' ...

Explanation

The system started deleting the file indicated.

System action

User response

None.

FMM8626W: The Tablespace Definition Information '*file name*' could not be deleted.

Explanation

The system tried to remove the TDI image from IBM Storage Protect, but did not succeed.

System action

User response

Try to remove the image manually using the Backup Object Manager raw delete facility.

FMM8628E: Found VM with name '*vmname*' in datastore '*dsurl*' but not in the backup or in the infile.

Explanation

All VMs included in the Datastore to restore have to be part of either the VMs included in the backup or the vms in the exclude list in the infile.

System action

User response

Add the VM to the exclude list of the infile

FMM8629E: The '*variable name*' environment variable is not set.

Explanation

The specified environment variable is not set, processing cannot continue for the requested operation.

System action

Processing ends.

User response

Ensure that when you run the product that you use the correct user ID so that the environment variable is set.

FMM8630E: The command option '*option*' must be a number.

Explanation

An invalid argument was specified for command option *option*.

System action

User response

Correct the command syntax.

FMM8631I: Backup command completed successfully.

Explanation

The backup operation completed successfully; the backup image can be used for restoring. In the case of a full database backup, the TDI image was generated and stored to IBM Storage Protect, too.

System action

User response

None.

FMM8632W: Backup command completed successfully with warnings.

Explanation

The backup operation completed successfully; the backup image can be used for restoring. However, some problems occurred.

System action

User response

Check the warning messages and take corrective actions if necessary.

FMM8633E: The configured vCenter(TM) server is the '*found API version*' version, which is not supported by IBM Storage Protect Snapshot.

Explanation

The configured vCenter server has an unsupported API version.

System action

Processing ends;

User response

Use another vCenter server that has a supported API version or upgrade this vCenter server to a supported API version.

FMM8634E: Backup command failed due to an error.

Explanation

No backup was made due to previous errors.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8635E: The command option '*option*' must be a floating point number.

Explanation

An invalid argument was specified for command option *option*.

System action

User response

Correct the command syntax.

FMM8636E: The command option '*option*' must be one of *values*.

Explanation

An invalid argument was specified for command option *option*.

System action

User response

Correct the command syntax.

FMM8637I: *Type state* backup of '*alias*' started ...

Explanation

A backup operation of database *alias* of type *type* has started.

System action

User response

None.

**FMM8638I: *Type state* backup of tablespace(s)
tablespace#1, . . . , tablespace#n of '*alias*' started ...**

Explanation

A backup operation of table space(s) *tablespace#1 . . . tablespace#n* of database *alias* of type *type* was started.

System action

Processing continues.

User response

None.

FMM8639I: Including log files in backup image ...

Explanation

The DB2 log files are stored as part of the backup image.

System action

User response

None.

FMM8640I: Using *number* buffers with a size of *size* ...

Explanation

For backup or restore operations, the indicated number of buffers of the size displayed are used.

System action

User response

None.

FMM8641I: Using *number* session(s) ...

Explanation

For backup or restore operations, the indicated number of IBM Storage Protect sessions is used.

System action

User response

None.

FMM8642I: Using a degree of parallelism of *number* ...

Explanation

For backup or restore operations, the degree of parallelism is displayed.

System action

User response

None.

FMM8643I: Using vendor library at '*lib path*' ...

Explanation

For backup or restore operations, the named vendor library is used.

System action

User response

None.

FMM8644W: Offline backups cannot include log files. The option -L is being ignored.

Explanation

An offline backup operation was started, requesting the DB2 log files to be included. This is not possible with an offline backup. The backup is done without including DB2 log files.

System action

User response

Make sure to backup DB2 log files separately.

FMM8648I: *number of files in this run* file(s) were stored successfully in this run on the '*hostname*' node. A total number of *stored number of files totally* files out of *total number of files* files are stored in the data backup that is identified by the external '*backup id*' backup ID.

Explanation

This is a progress message.

System action

Processing continues.

User response

N/A

FMM8649E: The automatic deletion of backups is not supported. Change the value of the *parameter name* parameter to 0.

Explanation

The automatic deletion of backups is not supported.

System action

Processing ends.

User response

Ensure that the value of the specified parameter is set to 0. As a consequence, backups are not automatically deleted.

FMM8650E: To restore from all *found_copies* detected redo log copies, *required_sessions* sessions must be opened. But currently only *configured_sessions* are allowed.

Explanation

For the object that should be restored overall *found_copies* copies have been found on the IBM Storage Protect server. To allow transparent failover to other copies in case of errors Data Protection for SAP must be able to open *required_sessions* sessions. But the current configuration allows to open only *configured_sessions* sessions.

System action

Processing ends.

User response

Check the profile parameter MAX_RESTORE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *found_copies*. Ensure the overall number of sessions that are configured over all server stanzas in the Data Protection for SAP profile is at least as large as *found_copies*.

FMM8651W: Your version of DB2 does not support including log files. The option -L is being ignored.

Explanation

A backup was started, requesting the DB2 log files to be included, but your version of DB2 does not support this feature. For including DB2 log files in the backup image, DB2 V.8.2 or later is required.

System action

User response

Make sure to backup DB2 log files separately.

FMM8652I: DB2 version '*version*' with *number* bits detected.

Explanation

The indicated DB2 version was detected by Backup Object Manager.

System action

User response

None.

FMM8653I: Using autonomic buffer size and number of buffers ...

Explanation

The buffer size and the number of buffers used for backup or restore is automatically determined by DB2.

System action

User response

None.

FMM8654I: Using an autonomic buffer size with *number* buffers ...

Explanation

The buffer size used for backup and restore is automatically determined by DB2. The number of buffers to be used was specified in the call to the Backup Object Manager.

System action

User response

None.

FMM8655I: Using an autonomic number of buffers with a size of *size* ...

Explanation

The number of buffers to be used for backup and restore are determined by DB2. The buffer size to be used was specified in the call to the Backup Object Manager.

System action

User response

None.

FMM8656I: Using an autonomic degree of parallelism ...

Explanation

The number of DB2 processes (UNIX or Linux) or threads (Windows) used for reading or writing data from/to table space containers during backup and restore is determined by DB2.

System action

User response

None.

FMM8657W: *Number* is not a valid partition number for a non-partitioned database. Assuming partition 0.

Explanation

The partition number specified in the call to Backup Object Manager does not denote a valid partition of the database. Therefore, the default partition 0 will be used by DB2 and by Backup Object Manager.

System action

User response

If your database is not partitioned do not specify the partition number for further actions.

FMM8658E: *Number* is not a partition number of the database or does not denote a partition on this host.

Explanation

The partition number specified does not denote a valid database partition or is not the partition located on the system where Backup Object Manager is called. Backup Object Manager can only operate on partitions residing on the same host.

System action

User response

Either change *number* to a partition number of a local partition, or start Backup Object Manager from the same host where the partition resides.

FMM8659I: Creating tablespace definition information ...

Explanation

The table space definition information (TDI) is being created in memory.

System action

User response

None.

FMM8660I: Saving tablespace definition information ...

Explanation

The table space definition information (TDI) is being stored on the IBM Storage Protect server.

System action

User response

None.

FMM8661W: Could not create Tablespace Definition Information.

Explanation

The system could not collect the table space definition information. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action

User response

Ensure that your database is enabled to accept CLI connections.

FMM8662W: Could not save Tablespace Definition Information.

Explanation

The system could not save the TDI on IBM Storage Protect. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8663W: The Tablespace Definition Information contains device containers of a type unsupported by BackOM redirected restore.

Explanation

A backup of a database using device containers was requested. The backup was successful, it can be used to restore the system, but it cannot be used for restoring to a different location. Restoring to a different location is not supported with device containers.

System action

User response

None.

FMM8664E: Connecting to '*alias*' using CLI failed. The return code was *return code*.

Explanation

The system tried to connect to the database named via the CLI. The operation did not succeed and returned the error code indicated.

System action

User response

Ensure that your database is enabled to accept CLI connections.

FMM8665I: The backup timestamp is: *timestamp*

Explanation

The DB2 backup finished successfully with the timestamp *timestamp*.

System action

User response

None.

FMM8666I: Redirecting container of tablespace *table space* with ID *id*.

Explanation

The named table space is restored to the location requested.

System action

User response

None.

FMM8667W: Tablespace *tablespace* with ID *id* was not redirected because its container on source system *SID* is not located in a path starting with '*path*'.

Explanation

The named table space of type SMS was not redirected because the definition of the table space container in the source system does not match the database characteristics that Backup Object Manager expects and that are cited in the message. Therefore, Backup Object Manager tries to restore the table space to a location identical to the location in the original system.

System action

User response

Make sure that the table space mentioned can be restored to the original location. This requires that the user initiating the redirected restore has the appropriate permissions for placing the table space container in this location and that the table space can be restored without overwriting other data. In order to avoid this situation in the future, the administrator of the source system may want to recreate the table space according to the database characteristics Backup Object Manager expects.

FMM8668I: Tablespace Definition Information created successfully.

Explanation

The metadata concerning the physical database layout necessary for automatic redirected restores driven by BackOM were created successfully.

System action

User response

None.

FMM8669I: Free space of device with ID *id* containing the container storage path '*storage_path*' are *free_space*.

Explanation

After assigning a container storage path to a dedicated device the remaining free space is calculated and returned to the user.

System action

User response

None.

FMM8670I: Remaining free space of device with ID '*id*' after assigning container '*container_name*' of size *size* are *free_space*.

Explanation

After assigning or creating a tablespace container on a dedicated device the remaining free space is calculated and returned to the user.

System action

User response

None.

FMM8671I: Using automatic storage path(s) *storage_path*.

Explanation

A dedicated automatic storage path will be used.

System action

User response

None.

FMM8672I: Redefining container path(s) of automatic storage tablespace *tablespace* with ID *id*.

Explanation

The path(s) an automatic storage tablespace uses as a starting point for the container(s) will be redefined.

System action

User response

None.

FMM8673E: The Datastore name '*dsname*' is not unique within one Backup.

Explanation

The backup contains more than one Datastore with the same name

System action

Processing stops.

User response

replace the Datastore name with Datastore URL in the infile

FMM8674E: A syntax error was detected in the *filename* file: *token*

Explanation

A syntax error was detected in the specified file. This storage device adapter file cannot be modified. If this file was not accidentally edited, this error indicates that there is a version conflict between IBM Storage Protect Snapshot and the storage adapter in use.

System action

Processing stops.

User response

Verify that the specified file is not corrupted or modified. Also, verify that the storage device adapter file is compatible with the version of IBM Storage Protect Snapshot that is installed.

FMM8675E: The default value for the *parameter_name* parameter in the *filename* file is missing.

Explanation

A default value is mandatory for the specified parameter in the specified file. This storage device adapter file cannot be modified. If this file was not accidentally edited, this error indicates that there is a version conflict between IBM Storage Protect Snapshot and the storage adapter in use.

System action

Processing stops.

User response

Verify that the specified file is not corrupted or modified. Also, verify that the storage device adapter file is compatible with the version of IBM Storage Protect Snapshot that is installed.

FMM8676E: The '*datastore name*' datastore already exists on the datacenter.

Explanation

The datastore name is already defined on the ESX host and is unavailable.

System action

Processing ends.

User response

Ensure that the datastore is removed from the ESX host before you run the instant restore operation.

FMM8681E: One of the target datastores is not available on the ESX host. The datastore cannot be found by using the original URL '*datastoreurl*' or any other URL.

Explanation

The target datastore is not available because the LUNs might not all be mounted correctly.

System action

Processing ends.

User response

Before you run a restore operation, ensure that all target datastores needed for this operation are available on the ESX host and that all assigned LUNs are mounted correctly.

FMM8682W: The current user ID does not have permissions to create or update tasks in the vCenter.

Explanation

The task progress cannot be created or updated in the vCenter because of missing privileges.

System action

Processing continues.

User response

Ensure that the user ID used to connect to the vCenter has privileges to create and update tasks in the vCenter. These privileges must be assigned at datacenter level or higher in the inventory hierarchy.

FMM8683E: The parameter PARTITION_GROUP was specified in the CLIENT section of the IBM Storage Protect profile, but the application is not a DB2 database, or the DB2 database is not set up for parallel processing of the partitions.

Explanation

If DB2 database partitions share volume groups these partitions must be grouped in a partition group with the PARTITION_GROUP parameter in the CLIENT section of the IBM Storage Protect profile. In this case, IBM Storage Protect requires that the DB2 database processes the partitions in parallel. In recent versions of DB2, this behavior is controlled by the DB2 registry variable DB2_PARALLEL_ACS. If DB2_PARALLEL_ACS has a value of YES, parallel processing is switched on and the PARTITION_GROUP parameter can be set in the IBM Storage Protect profile. If DB2_PARALLEL_ACS has a value of NO, parallel processing is switched off and the PARTITION_GROUP parameter cannot be set in the IBM Storage Protect profile. By default, parallel processing is also switched on if the the DB2 registry variable DB2_WORKLOAD is set to SAP; however, this setting can be overruled by setting DB2_PARALLEL_ACS to NO.

System action

The operation fails.

User response

Set the DB2 registry variable DB2_PARALLEL_ACS to YES, for example: db2set DB2_PARALLEL_ACS=YES Or set the DB2 registry variable DB2_WORKLOAD to SAP, and ensure that DB2 registry variable DB2_PARALLEL_ACS is not set to NO. Alternatively, make sure that all database partitions reside on dedicated volume groups and remove all instances of parameter PARTITION_GROUP from the CLIENT section of the IBM Storage Protect profile.

FMM8684W: The backup operation can not be run by instance owner, and must be switched to the root user. You could change the value of '*parameter name*' parameter to 'YES' in the OFFLOAD section of the IBM Storage Protect Snapshot profile to always perform the backup as root user. This will improve the performance of the backup operation.

Explanation

The instance owner does not have the permissions to access and backup some files from the backup list.

System action

The operation continues.

User response

Set the value of the parameter to 'YES' in the OFFLOAD section of the IBM Storage Protect Snapshot profile to always run the backup as root user.

FMM8689I: Requesting DB2 to optimize backup images for deduplication.

Explanation

For the current operation, DB2 is requested to optimize the format of the backup images for target storage devices that support data deduplication.

System action

Processing continues.

User response

None.

FMM8690E: Free space check for container '*path*' failed. Only *free bytes* free space left on device with ID '*id*' but *required bytes* required.

Explanation

The system requires a table space container of the size indicated at the path named, but there is not sufficient free space available to create it.

System action

User response

Try to make available the free space required, for example by 1. Removing some files on the volume or file system the container is to reside on. 2. Increasing the size of the file system the container is to reside on. 3. Shrinking the size of the container requested so that it fits in the free space. Note: Backup Object Manager assumes that a small part (0.05%) of the free space will be required by the operating system for administrative use. As a consequence, only 99.95% of the free space on the volume or file system is actually available.

FMM8691E: The password file '*file name*' cannot be read.

Explanation

The IBM Storage Protect Snapshot password file is unusable.

System action

The operation exits without completing.

User response

Check the file permission. If the file has been changed on the production system, make sure the file has been copied to backup or clone systems. If the problem persists, recreate the password file by entering the command 'fcmcli -f password' on the production system and copy it to backup or clone systems.

FMM8692E: The requested data could not be retrieved.

Explanation

The TDI data of a backup image could not be retrieved and displayed.

System action

User response

Look for and respond to preceding error messages.

FMM8693E: More than one Tablespace Definition Information file matches your query.

Explanation

More than one TDI file matching the search criteria was found on IBM Storage Protect.

System action

User response

Specify additional BackOM command options to restrict the result set.

FMM8700E: Internal parser error in Tablespace Definition Information parser.

Explanation

An unexpected error occurred in the TDI parser.

System action

User response

Contact IBM Support.

FMM8701E: This parser cannot process Tablespace Definition Information version *version*.

Explanation

The current version of Backup Object Manager is not compatible with the version the TDI image was created with. As a consequence, the TDI data cannot be processed.

System action

User response

Check the release notes for the appropriate migration procedure.

FMM8702E: Too many errors. Bailing out.

Explanation

The TDI parser encountered a number of errors. Restoring is stopped.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8703E: Out of memory.

Explanation

The TDI parser encountered a token that cannot be read into the main memory. The TDI image cannot be processed, and restoring is stopped.

System action

User response

Contact IBM Support.

FMM8704E: Error while reading input file.

Explanation

The TDI parser tried to read more data from disk or from IBM Storage Protect, but did not succeed.

System action

User response

Ensure that the TDI image to be processed exists at the expected location and that the system has sufficient privileges to read it.

FMM8705E: *Error in line *line number*.*

Explanation

The TDI parser encountered a syntax error in the line indicated. As a consequence, the TDI image cannot be analyzed.

System action

User response

Respond to the error message and correct your TDI image.

FMM8706E: The container at '*path*' is inappropriate for tablespace *tablespace*.

Explanation

The container at the location indicated cannot be added to the table space named because of incompatible properties.

System action

User response

Check the properties of the container and the table space. Ensure that the IDs of the containers are unique for the table space named.

FMM8707E: Missing statement *keyword* in block *block name* near line *line number*.

Explanation

A keyword is missing in the named block ending at the line given.

System action

User response

Insert the required statement in the block.

FMM8708E: The [TDI] header block must be the first block.

Explanation

The TDI image does not start with the required header ([TDI] block). Only comments or whitespace are allowed before this block.

System action

User response

Ensure that the [TDI] block is the first block in the TDI image.

FMM8709E: The required block *block name* is missing.

Explanation

The named block is missing in your TDI image.

System action

User response

Insert the missing block using valid values.

FMM8710W: Duplicate block *block name* ignored at line *line number*.

Explanation

At the line indicated, a block begins whose name was encountered before. The system ignores the duplicate block; it uses the data from the first occurrence of duplicate blocks.

System action

User response

Make sure that block names are unique within a TDI image.

FMM8711W: Duplicate statement *keyword* ignored in line *line number*.

Explanation

At the line indicated, a duplicate statement was encountered within a block. The system ignores the duplicate statement.

System action

User response

Make sure to not specify duplicate statements within a block.

FMM8715E: Failed to create directory '*path*'. Reason: *reason*

Explanation

The path indicated could not be created.

System action

The operation stops. The operation cannot continue until the error is resolved.

User response

Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly.

FMM8725I: Pipe '*pipe_name*' does not exist. Assuming redirected restore and create file.

Explanation

The object '*pipe_name*' was a pipe at backup time. Such object should be restored into a pipe by default. It may be desired to restore the data to some other location, for example a regular file. In this case a new file will be created. The restored object may be used for further processing.

System action

Processing continues.

User response

If the restore into a regular file was performed by intend use the data for the planned purpose. Otherwise remove the file.

FMM8726E: The '*datastore ref:datastore name*' datastore is not a datastore of type '*datastore name*'. It cannot be processed with the storage system that was configured in the device class that was selected for this backup.

Explanation

The specified datastore has a type that is not supported by the storage system that was configured in the device class that was selected for this backup.

System action

Processing ends.

User response

Update your backup job to use a device class that specifies a storage system that can process datastores of the required type, or remove virtual machines of the reported datastore from your backup job.

FMM8727E: No instance found managing database '*database name*'.

Explanation

The DB2 instance, which manages the named database '*image_name*' could not be detected.

System action

Processing ends.

User response

Contact your IBM support personnel.

FMM8728E: Could not attach to instance '*instance*'.

Explanation

BackOM was not able to attach to the instance *instance*.

System action

User response

First, check the system environment for possible instance candidates. Try the action again by additionally specifying the BackOM command option '-i <instance name>'.

FMM8729I: Checking system resources ...

Explanation

Prior to starting the redirected restore by BackOM the existing system resources, e.g. free space of a file system will be checked.

System action

User response

None.

FMM8730I: Scaling tablespace containers to *number* percent ...

Explanation

All table space containers will be increased by the percentage indicated during the table space container redefinition step.

System action

User response

None.

FMM8731I: Normalizing tablespace containers ...

Explanation

All containers of a table space will be of the same size after redefinition.

System action

User response

None.

FMM8732E: The Tablespace Definition Information used with the redirected restore operation contains an invalid database alias.

Explanation

There is an invalid database alias specified in the alias statement of the TDI image.

System action

User response

Provide a valid alias.

FMM8733E: The Tablespace Definition Information used with the redirected restore operation contains an invalid instance name.

Explanation

There is an invalid database instance specified in the <instance> statement of the TDI image.

System action

User response

Provide a valid instance name.

FMM8734E: The Tablespace Definition Information used with the redirected restore operation contains an invalid partition number.

Explanation

There is an invalid partition number specified in the <Node> statement of the TDI image.

System action

User response

Provide a valid partition number.

FMM8735E: The input file '*input file name*' is not allowed to be empty.

Explanation

The specified input file is empty.

System action

Processing ends.

User response

Fill the input file with content appropriate to the current operation.

FMM8736E: Tablespace *tablespace* must have at least one container.

Explanation

The TDI image defines the table space named without containers.

System action

User response

Ensure that there is at least one container associated with every table space.

FMM8737E: Tablespace *tablespace* has containers with the combined storage too small.

Explanation

The number of used pages of the table space named exceeds the combined size of its table space containers defined in the TDI image.

System action

User response

Ensure that every table space has containers of a combined size that is sufficient to hold the used pages of the table space.

FMM8738E: The container at *path* has a page size that is incompatible with its tablespace.

Explanation

The container indicated does not have the same page size as its table space according to the definitions in the TDI image.

System action

User response

Contact IBM Support.

FMM8739E: The type of the container at *path* is incompatible with its tablespace.

Explanation

The container indicated cannot be used with its associated table space according to the definitions in the TDI image. SMS table spaces can only have path containers, and DMS table spaces must have file or device containers.

System action

User response

Ensure that the appropriate types of containers are used with each table space.

FMM8740E: The path *path* of a container must not be relative.

Explanation

In the TDI image, the named path defining a container does not seem to be a fully qualified path.

System action

User response

Ensure that all paths in your TDI are fully qualified.

FMM8741E: The container at *path* would overwrite existing files or directories.

Explanation

The TDI image contains the definition of the container indicated whose location is already in use. This is only allowed when restoring to the source database. Restoring to a different location is stopped.

System action

Ensure that all path containers defined in the TDI image point to non-existing paths and all file containers point to non-existing files.

User response

FMM8742E: The container at *path* is a device container which is not supported.

Explanation

In the TDI image, a device container is defined. However, device containers are not supported by Backup Object Manager.

System action

User response

Do not use device containers.

FMM8743I: Local Tablespace Definition Information check returned *return code*.

Explanation

The TDI with the target database table space definition was checked. If the return code given does not equal 0 errors occurred.

System action

User response

In the case of a non-zero return code, contact IBM Support.

FMM8744I: Tablespace Definition Information replacement check returned *return code*.

Explanation

The system checked whether the table space definitions of the target TDI can replace the definitions of the source TDI. If the return code given does not equal 0 the table space definitions of the target TDI are not valid.

System action

User response

In the case of a non-zero return code, contact IBM Support.

FMM8745E: The Tablespace Definition Information is invalid.

Explanation

The TDI with the target table space definitions is not valid. Restoring to a different location is stopped.

System action

User response

Check the Backup Object Manager log for the return code of the validation. Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8746I: The Tablespace Definition Information is valid.

Explanation

The TDI with the target table space definition is valid. Processing continues.

System action

User response

None.

FMM8747E: Not all tablespaces of the original database are contained in the Tablespace Definition Information.

Explanation

At least one table space of the original database is missing in the TDI definitions of the target database. However, a new location must be given for all table spaces of the original database. Therefore, restoring to a different location is stopped.

System action

User response

Provide the information on the missing table spaces and their containers.

FMM8748E: The Tablespace Definition Information does not define enough storage to hold all the data of the original database.

Explanation

The target TDI has at least one table space whose containers are too small to hold the data of the source database.

System action

User response

Increase the container size or add more containers to the table spaces.

FMM8749E: The page size of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation

The target TDI contains at least one table space with a matching ID in the source TDI, but their page sizes do not match.

System action

User response

Ensure that table spaces have the same page sizes in both the source and the target TDI.

FMM8750E: The number of used pages of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation

The target TDI contains at least one table space with a matching ID in the source TDI, but the number of used pages of the target table space does not match the number of used pages in the original database.

System action

User response

Ensure that the number of used pages of a table space is the same in both the source and the target TDI.

FMM8751E: The tablespace type in the Tablespace Definition Information does not match the one of the original database.

Explanation

The target TDI holds at least one table space with a matching ID in the source TDI, but the table space types are different.

System action

User response

Ensure that the type of a table space is the same in both the source and the target TDI.

FMM8752E: BackOM does not support redirected restore with device containers.

Explanation

The target TDI contains at least one definition of a device container. However, device containers are not supported by Backup Object Manager's redirected restore function.

System action

User response

Do not use the Backup Object Manager's redirected restore facility for device containers.

FMM8753E: A container cannot be created at *path*.

Explanation

Either the location where the table space container is to be created does not exist, or the permissions of the user are not sufficient.

System action

User response

Check the location and the permissions.

FMM8755I: Getting reference Tablespace Definition Information from IBM Storage Protect ...

Explanation

Retrieving the appropriate TDI to be used by internal checking routines from the IBM Storage Protect server.

System action

User response

None.

FMM8756W: Could not get reference Tablespace Definition Information from IBM Storage Protect. No input validation is done.

Explanation

The system could not find a TDI image matching the database backup to be restored on IBM Storage Protect. The restore action will be continued, but the input data cannot be validated before the restore starts.

System action

User response

None.

FMM8757I: Performing redirected restore from '*source alias*' to '*target alias*' ...

Explanation

Redirected restore of *source alias* to *target alias* is starting.

System action

User response

None.

FMM8758E: The Tablespace Definition Information does not contain data for tablespace '*tablespace*'.

Explanation

A definition of the table space named is expected to be provided in the TDI, but could not be found.

System action

User response

Ensure that all table spaces of the source database are also defined in the target TDI.

FMM8759E: Redirecting of at least one container failed.

Explanation

The system tried to create the containers for a table space, but at least one of them could not be redirected to a different location. Usually, the location of one of the table space containers is not allowed. A list of containers the system tries to create can be found in the Backup Object Manager log. One of them failed.

System action

User response

Check for and respond to further error messages in the Backup Object Manager log.

FMM8760E: Directory '*directory*' could not be created.

Explanation

The system tried to create the directories to place the containers in, but at least one failed.

System action

User response

Ensure that the system has sufficient privileges to create the directories at the desired locations.

FMM8761E: The container at *path* does not have the minimum size of two extends.

Explanation

A table space container to be created must have at least the size of two extends.

System action

User response

Correct the size of the container to be created.

FMM8762I: Set tablespace container with ID *id* and name '*tablespace_container*'.

Explanation

Backup Object Manager redirects a table space container to the ID and name indicated.

System action

User response

None.

FMM8763E: The extent size of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation

The extend sizes of corresponding table spaces defined in the source and target TDIs must be equal. However, for at least one table space different extend sizes are defined in the source and target databases.

System action

User response

Define matching extend sizes for corresponding table spaces.

FMM8765I: Checking redirected restore from '*source alias*' to '*target alias*' ...

Explanation

The system is testing whether the original database can be restored to the target location. It checks whether • the file system where the table space containers are to be created has sufficient free space. (If specified, normalizing and scaling are also considered.) • there are existing files and directories identical to the containers defined for the target database. This would indicate that a database of same name and of same structure already exists, and data could be overridden. • the structures of the source and target databases (table space types, page sizes, extend sizes) allow for a redirected restore.

System action

User response

None.

FMM8766I: Check successful. Redirected restore possible with these settings.

Explanation

The redirected restore test finished successfully. Thus, the redirected restore operation can be started with the options specified for the test run.

System action

User response

None.

FMM8767W: Warnings occurred.

Explanation

The redirected restore test detected one or more minor conflicts. These conflicts may or may not prevent a successful redirected restore operation. Nevertheless, it is recommended to resolve them.

System action

User response

Check for and respond to preceding warning messages in the Backup Object Manager log.

FMM8768E: Check failed. Redirected restore not possible with these settings.

Explanation

The redirected restore test detected one or more major errors which will prevent a successful redirected restore with these settings.

System action

User response

Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8769E: Found multiple Tablespace Definition Information matching the given timestamp. Additional search conditions needed.

Explanation

More than one TDI file for a database backup image was found on the IBM Storage Protect server. In such a scenario, the integrity of the metadata assigned to a database backup images is violated and prevents an automatic redirected restore driven by BackOM.

System action

User response

Contact your IBM support personnel.

FMM8770I: Getting Tablespace Definition Information used with the redirected restore operation from IBM Storage Protect...

Explanation

The system is retrieving the TDI image from the IBM Storage Protect server.

System action

User response

None.

FMM8771E: The Tablespace Definition Information used with the redirected restore operation could not be retrieved.

Explanation

The TDI image specified could not be found.

System action

User response

Provide the correct location of the TDI image.

FMM8772E: The selected database has a structure that prevents automatic cloning.

Explanation

You tried to clone an SAP database using redirected restore, but the database does not have the default directory structure of an SAP database. The cloning facility of Backup Object Manager redirected restore cannot be used for this system.

System action

User response

You may use either the interactive or the batch mode of Backup Object Manager redirected restore.

FMM8773E: The interactive modification of the containers failed.

Explanation

You tried to interactively change the location of containers, but this operation failed.

System action

Processing ends.

User response

Contact IBM Support.

FMM8776E: You are not allowed to delete this container.

Explanation

You tried to delete the last container of a table space. However, at least one container must be available to every table space.

System action

User response

Make sure that there is at least one container defined for every table space.

FMM8798E: Due to errors, you cannot continue the operation.

Explanation

You tried to start a restore operation after redefining the containers interactively, but errors were detected in the input data. The operation cannot continue.

System action

User response

Check all table spaces with '!!' error marks in the list and correct the definitions of their containers. Then continue.

FMM8799E: A container must have a size of at least twice the extent size (*minimum size* for this tablespace).

Explanation

The container size specified is too small. The minimum size of a container is twice the extent size.

System action

User response

Correct the container size.

FMM8800I: The command is: *command*

Explanation

Displays the command that was issued. The following commands are possible: Backup, Restore, Archive/Retrieve.

System action

User response

None.

FMM8801I: Time: *time* --- PID: *PID_Number*

Explanation

Displays the process id of the DB2 process which called the shared library.

System action

User response

None.

FMM8802I: Found *number type* image(s) on IBM Storage Protect server.

Explanation

For restore and delete operations Data Protection for SAP queries IBM Storage Protect for backup images by means of a timestamp and shows the number of found images.

System action

User response

None.

FMM8803I: The DB2 image size for this session is about 'size'.

Explanation

The estimated size of the data to be backed up is displayed.

System action

User response

None.

FMM8804W: The recovery log could not be written.

Explanation

After every backup or restore, Data Protection for SAP writes a record into the recovery log file `tdprlf.<SID>.node_name.log`. It is located in the path pointed to by environment variable `TDP_DIR`.

System action

User response

Check, if the permissions are set correctly and if there is sufficient free space in your file system.

FMM8805I: The restore was cancelled by the user. Existing data not overwritten.

Explanation

The existing database is still operational.

System action

User response

None.

**FMM8806I: *product version.release.modification.level*
(*build_number*beta) *build_date***

Explanation

Writes version information into the product log file.

System action

User response

None.

FMM8807I: Archive log file '*log number*' of chain '*log chain number*'.

Explanation

Writes information about the log file to be archived into the product log file.

System action

User response

None.

FMM8808I: Retrieve log file '*log number*' of chain '*log chain number*'.
Seeking for IBM Storage Protect image '*image*'.

Explanation

Writes information about the log file to be retrieved into the product log file.

System action

User response

None.

FMM8809W: Disk group '*disk group name*' could not be mounted on one or more of the following remote Oracle RAC nodes: '*node name list*'.

Explanation

The disk group was mounted successfully on the local host, but it could not be mounted on one or more of the other nodes within the Oracle RAC cluster.

System action

Processing continues.

User response

Manually mount the disk group on the specified nodes of the Oracle RAC cluster after the operation finished.

FMM8810I: Cleaning up resources of process '*PID_number*'.

Explanation

All resources used by the product will be released.

System action

Processing continues.

User response

None.

FMM8811E: The shutdown of database '*db name*' was not successful on the following database nodes: '*node names*'.

Explanation

Database shutdown was not successful on one or more nodes.

System action

Processing end.

User response

Check the error messages that were printed before this message, and check the alert log file for the specified database for error messages.

FMM8812I: Committed IBM Storage Protect sessions of this backup run will be deleted.

Explanation

During a backup with multiple sessions, an error occurred. The backup operation is stopped. IBM Storage Protect sessions already committed during this operation are being deleted from the IBM Storage Protect server in order to prevent them from being considered restorable.

System action

User response

None.

FMM8813E: Error deleting committed IBM Storage Protect sessions.

Explanation

One or more committed IBM Storage Protect sessions could not be deleted during the postprocessing of the failed backup run.

System action

User response

Use the Backup Object Manager to delete the file(s) manually.

FMM8814I: Inquired IBM Storage Protect with mask '*search mask*'.

Explanation

The string denoted is used to inquire IBM Storage Protect for backup images.

System action

User response

None.

FMM8815I: Information for Log Manager: *DB2_instance DB2_database_name DB2_database_alias log_and_log_chain_number partition*

Explanation

The information listed is provided to the DB2 Log Manager.

System action

User response

None.

FMM8816I: DB2 version '*version*' detected.

Explanation

IBM Storage Protect for ERP is running on a system where DB2 version *version* is set up.

System action

User response

None.

FMM8817I: No corresponding committed IBM Storage Protect session(s) found. Nothing will be deleted.

Explanation

The cleanup of a failed IBM Storage Protect for ERP database backup could not find any partial IBM Storage Protect backup image of that run already stored on the IBM Storage Protect server for deletion.

System action

User response

None.

FMM8818W: Invalid value specified for BACKOM_LOCATION.

Explanation

The BackOM executable was not started for collecting database metadata due to an invalid specification.

System action

User response

Check the value of the IBM Storage Protect for ERP configuration parameter BACKOM_LOCATION. The parameter can be found in the vendor environment file and must contain the fully qualified name of the BackOM executable.

FMM8819I: The IBM Storage Protect objects matching with mask '*search mask*' will be deleted.

Explanation

The cleanup of a failed IBM Storage Protect for ERP database backup will delete any partial IBM Storage Protect backup image of that run already stored on the IBM Storage Protect server and matching *search mask*.

System action

User response

None.

FMM8820E: No valid IBM Storage Protect session found.

Explanation

A running IBM Storage Protect for ERP workflow could not continue due to a missing IBM Storage Protect session.

System action

User response

Contact your IBM support personnel.

FMM8821I: Using option(s) '*options*'.

Explanation

The *options* string specifies vendor options that DB2 provides to the IBM Storage Protect for ERP library as part of the calling function. These could be options directly provided as part of the database backup or restore command or options made persistent in the database configuration, here the parameters VENDOROPT, LOGARCHOPT1 or LOGARCHOPT2.

System action

User response

None.

FMM8822I: Configuration parameter(s):*parameters*

Explanation

The list specifies a set of runtime parameters that the IBM Storage Protect for ERP library is using for the calling workflow.

System action

User response

None.

FMM8823W: Configuration parameter SRC_DB_ALIAS requires parameter SRC_DB_INSTANCE and vice versa.

Explanation

To be able to recover a database after a redirected restore using the built-in DB2 rollforward command, IBM Storage Protect for ERP needs both SRC_DB_ALIAS and SRC_DB_INSTANCE.

System action

User response

Include both parameters SRC_DB_ALIAS and SRC_DB_INSTANCE in the IBM Storage Protect for ERP vendor environment file and retry the database recovery.

FMM8824I: Partitioning backup image into segments of maximum '*size*'.

Explanation

The backup image is partitioned into segments equal to the maximum *size* value. This partitioning is implemented per backup session.

System action

Processing continues.

User response

No user response is required.

FMM8825I: Creating commit object for session *session_id* comprising overall *number* segment(s).

Explanation

A commit object is created at the end of backup processing. This commit object guarantees the integrity of the backup object segments that compose a backup session. This action occurs on a per session basis where all backed up segments of a session are stored within that commit object. The commit object is used internally by IBM Storage Protect for Enterprise Resource Planning.

System action

Processing continues.

User response

No user response is required.

FMM8826I: Found database image '*image_name*' partitioned into *number* segment(s).

Explanation

The database backup image *image_name* was found on IBM Storage Protect. This image is partitioned into *number* segments.

System action

Processing continues.

User response

No user response is required.

FMM8827E: Missing commit object.

Explanation

The commit object cannot be located on IBM Storage Protect. The commit object is a prerequisite when restoring segmented backup images. It ensures that a valid database is not destroyed or overwritten by an incomplete database restore.

System action

Processing ends.

User response

Check IBM Electronic Support for additional information: <http://www.ibm.com/software/sysmgmt/products/support/index.html?ibmprd=tivman>

FMM8828E: A backup object segment associated with backup image '*image_name*' is missing.

Explanation

The integrity of the backup image '*image_name*' is violated due to a missing backup object segment.

System action

Processing ends.

User response

The backup image '*image_name*' cannot be used for restore. Specify an older backup image for restore. In addition, start a new database backup as soon as possible.

FMM8831E: The properties of the virtual machine '*vm_name*' could not be fetched through the vSphere API because they are not set.

Explanation

The properties of the virtual machine could not be fetched through the vSphere API because they are not set on the corresponding object.

System action

Processing ends.

User response

Check if the according auxiliary ESX host is in an operational state.

FMM8832I: Note: The GSKit installation is not removed from \${HOSTNAME} because it might be in use by other IBM Storage Protect Snapshot instances. If needed, the GSKit can be manually uninstalled. For more information, see the Installation and User's Guide.

Explanation

GSKit is remotely installed on the backup or cloning system by using SSH. Multiple instances of IBM Storage Protect Snapshot might exist on the remote system so GSKit is not uninstalled to avoid breaking other instances of IBM Storage Protect Snapshot.

System action

Processing continues. GSKit remains installed on the backup or cloning system.

User response

GSKit can be manually uninstalled on the backup or cloning systems if needed. The user guide provides details about the necessary steps.

FMM8833W: The environment variable 'SHLIB_PATH' does not include the path '/usr/lib' which is required for the correct operation of GSKit. Ensure that the path is added to allow the correct operation of IBM Storage Protect Snapshot.

Explanation

The environment variable 'SHLIB_PATH' must include the path '/usr/lib' to ensure that the GSKit libraries are found.

System action

Processing continues but IBM Storage Protect Snapshot might be non-operational.

User response

Add the path '/usr/lib' to the environment variable 'SHLIB_PATH'.

FMM8834E: An earlier version of GSKit is running: '*version*'. This version cannot be used for Transport Layer Security (TLS) version 1.2.;

Explanation

In a DB2 application environment, IBM Storage Protect Snapshot application agent uses the GSKit libraries that are shipped with DB2. For older versions of DB2 this GSKit version might be older than the one that is shipped with IBM Storage Protect Snapshot. Earlier versions of GSKit do not support TLS version 1.2 and therefore TLS version 1.2 protocol cannot be enforced.

System action

IBM Storage Protect Snapshot cannot operate when you use this configuration.

User response

Either upgrade your DB2 installation to use a newer GSKit version, the minimum version is 8.0.14.21 or set the ENFORCE_TLS12 profile parameter to "NO". Run the setup script to configure this parameter.

FMM8835I: Starting synchronous reconcile operation.

Explanation

The reconciliation process is started and the processing waits until the reconciliation has finished.

System action

Processing waits until reconciliation has finished.

User response

No action is required.

FMM8836I: The reconcile operation has finished.

Explanation

The reconciliation process has finished and the processing will continue.

System action

Processing will continue.

User response

No action is required.

FMM8837I: The synchronous reconcile operation has terminated. Normal processing continues.

Explanation

The reconciliation process has terminated with error. The processing will continue. The reconciliation process will be restarted later. The IBM Storage Protect Snapshot repository may contain invalid backup entries until the next reconciliation process is scheduled.

System action

Processing will continue.

User response

No action is required.

FMM8838I: Starting synchronous delete operation.

Explanation

The delete process is started and the processing waits until the delete has finished.

System action

Processing waits until delete has finished.

User response

No action is required.

FMM8839I: The delete operation has finished.

Explanation

The delete process has finished and the processing will continue.

System action

Processing will continue.

User response

No action is required.

FMM8840I: The synchronous delete operation has terminated. Normal processing continues.

Explanation

The delete process has terminated with error. The processing will continue. The delete process will be restarted later. The IBM Storage Protect Snapshot repository may contain invalid backup entries until the next delete process is scheduled.

System action

Processing will continue.

User response

No action is required.

FMM8841W: No IBM Storage Protect Snapshot offload daemon was running in the last *minutes* minutes. Make sure that the IBM Storage Protect Snapshotoffload daemon process is running.

Explanation

The IBM Storage Protect Snapshot offload daemon was not running on the IBM Storage Protect Snapshot host since the specified time interval. This offload daemon process is required if IBM Storage Protect Snapshot snapshot backups should be sent to IBM Storage Protect.

System action

Processing will continue. But the offloaded backup to IBM Storage Protect may not start.

User response

Verify that the IBM Storage Protect Snapshot offload daemon process is running. Restart this daemon process if it is not running.

FMM8842W: The '*lunserial*' Logical Unit Number (LUN) was added to the '*dsName*' datastore after the backup was completed. This LUN will be detached from the vSphere environment.

Explanation

One or more LUNs was added to the datastore after the backup operation was completed. IBM Storage Protect Snapshot detaches these LUNs from the ESX host to mount the datastore when you perform an instant restore of this datastore.

System action

Processing will continue.

User response

No action is required.

FMM8843E: The virtual machine could not be restored using '*target vm name*' VM name. A VM with the same name already exists in the datacenter.

Explanation

The specified virtual machine could not be restored because another virtual machine with the same name already exists in the datacenter.

System action

Processing ends.

User response

Specify another virtual machine name or delete the existing virtual machine in the vCenter.

FMM8899E: Interface problem in function *function*: Value '*value*' of parameter '*parameter*' is not supported with DB2 version '*version*'.

Explanation

An unknown action code during the program execution was encountered.

System action

User response

Contact your IBM support personnel.

FMM9001E: Internal error: *error*

Explanation

The following internal error: *error* has been encountered.

System action

User response

Contact IBM Support.

FMM9002E: Parameter 'all' is not supported.

Explanation

The provided parameter is not supported. This error can be caused by nodes that are specified without being separated by commas.

System action

Processing ends.

User response

Make sure the specified nodes are separated by commas, then try the command again.

FMM9003E: Incompatible components installed: *component name one*, *component name two*

Explanation

The components mentioned in the message text can not be used together. This may be the result of an incomplete upgrade.

System action

User response

Contact IBM Support.

FMM9004E: Location of the message catalog could not be figured out.

Explanation

Data Protection for SAP locates the message catalog over the install directory. When Data Protection for SAP is exploited through a library like DB2 or Oracle/RMAN, then the environment variable XINT_NLS_CATALOG_PATH is mandatory.

System action

Processing stops.

User response

The environment variable XINT_NLS_CATALOG_PATH may be required..

FMM9005E: A not supported by B

Explanation

The installed version of product *B* does not support product *A*. Most likely you need to upgrade product *B*.

System action

User response

Contact the IBM Support.

FMM9006E: Internal error while reading environment variable: *variable*

Explanation

This is an internal error.

System action

User response

Contact IBM Support.

FMM9007W: An error occurred while terminating the application:*the error*

Explanation

While terminating the application, an error occurred. This has no impact on the success of the operation.

System action

User response

None.

FMM9008E: This product requires at least version *number of product name* to be installed.

Explanation

The version of the application *product name* is not supported by this application. Most likely application *product name* needs to be upgraded.

System action

User response

Contact IBM Support.

FMM9009W: The following products are not compatible: *product name first (product version first)* and *product name second (product version second)*.

Explanation

This message is similar to FMM9008E. But in this case it's not obvious which one of the products needs to be upgraded.

System action

User response

Contact IBM Support.

FMM9010E: Could not determine installation directory for *program*. Please restart the process using a fully qualified name.

Explanation

The name of the path where a given program is located could not be determined.

System action

User response

Contact your IBM support personnel.

FMM9011E: There was no response received within *number* seconds; timeout is expired. You can increase the timeout by specifying the profile parameter *timeoutphase* for the current phase of the backup or restore operation.

Explanation

The communication between two program components was suspended or stopped, which can lead to a timeout.

System action

User response

Increase the timeout by specifying the profile parameter TIMEOUT_<PHASE> for the current phase of the backup or restore operation. If this does not solve the problem please contact your IBM support personnel.

FMM9012E: One of the requested data containers is already the subject of a restore.

Explanation

A restore of the same data has already been requested.

System action

Processing stops.

User response

Multiple restore operations are usually prevented by the database system. If there are no multiple restore operations performed concurrently, then contact IBM support for this problem.

FMM9013E: Concurrent restore of objects being backed up with multiple device agents is not supported.

Explanation

This special restore scenario is unsupported.

System action

User response

Contact your IBM support personnel.

FMM9014E: Failed to load library: *library* reason: *reason*

Explanation

The ACS library could not be loaded.

System action

User response

Contact your IBM support personnel.

FMM9015E: Failed to locate functions in library: *library* reason: *reason*

Explanation

One or more functions could not be found in the ACS library.

System action

User response

Contact your IBM support personnel.

FMM9016E: The database is not mounted.

Explanation

The database must be mounted so that IBM Storage Protect Snapshot Prerequisite Checker can be run.

System action

Processing ends.

User response

Mount the database and start IBM Storage Protect Snapshot Prerequisite Checker again.

FMM9017E: The file system '*mountpoint*' on volume group '*volume group*' contains data and redo log files from the same database instance.

Explanation

FlashCopy Manager does not support log and data files on the same volume group.

System action

The volume group layout check fails.

User response

Change the database layout so that the data and redo log files are on separate volume groups.

FMM9018E: The volume group '*volume group*' contains file systems with data files, and file systems with redo log files.

Explanation

FlashCopy Manager does not support log and data files on the same volume group.

System action

The volume group layout check fails..

User response

Change the database layout so that the data and redo log files are on separate volume groups.

FMM9019E: The following control files are not included in any database or redo log file volume groups: *List of Controlfiles*

Explanation

The control files must be on the volume group where the database redo log files or the data files are stored.

System action

The volume group layout check fails..

User response

Change the database layout so that the control files are on the data or redo log files volume groups.

FMM9020E: The following database *File Type* files are on the root volume group: *List of Files*

Explanation

The database redo log files and data files must be on a volume group that does not contain the root filesystem.

System action

The volume group layout check fails..

User response

Change the database layout so that data files and redo log files are on volume groups that do not contain the root filesystem.

FMM9021E: Querying the operation system information for the following files and file systems failed: *List of Files*

Explanation

IBM Storage Protect Snapshot Prerequisite Checker was not able to get OS information like logical volume or volume group from the listed files. Maybe the files are on file system that is not managed by a Logical Volume Manager.

System action

The volume group layout check fails..

User response

Change the database layout so that data and redo log files are on file systems that are managed by a Logical Volume Manager.

FMM9022I: Volume group layout check (fcm.volume_group_layout): In Network File System (NFS) environments, this check validates if the prerequisites for database filesystems layout are fulfilled. In Oracle Automatic Storage Management (ASM) environments, this check validates if the prerequisites for the database disk groups layout are fulfilled. In all other environments, this check validates if the prerequisites for the database volume groups layout are fulfilled. The respective requirements are listed in the Pre-installation Checklist PDF that is published in the Requirements Technote.

Explanation

The database layout must be set up as described in the Pre-installation Checklist PDF.

System action

Processing continues.

User response

No action is required.

FMM9023E: The volume group '*volume group*' contains database files as well as the file or folder '*volume group*':

Explanation

The volume group layout is wrong, the listed file or folder must not be on a volume group that contains database data files or log files.

System action

The volume group layout check fails..

User response

Change the database layout so that the listed folder is not on a data or log volume group.

FMM9024E: The following control files are included in a data file volume group:
List of Controlfiles

Explanation

The control files must not be on the volume group where the database data files are stored.

System action

The volume group layout check fails..

User response

Change the database layout so that the control files are not on the data volume groups.

FMM9025I: The database version check (fcm.db_Version) validates if the database level is supported by IBM Storage Protect Snapshot. If a newer database version is found, verify if it is supported by referring to the Requirements Technote.

Explanation

The database must be on a supported level. For more information on supported versions, see the Pre-installation Checklist PDF.

System action

Processing continues.

User response

No action is required.

FMM9026I: The application check (fcm.application_environment) validates if the application is DB2 or Oracle DB.

Explanation

The supported applications are Oracle, DB2, and Custom Applications (CAA).

System action

Processing continues.

User response

FMM9027I: The storage management network connection check (storage.validatePort) validates if storage management can be reached through the TCP/IP network.

Explanation

FlashCopy Manager must be able to reach the storage management through the network.

System action

Processing continues.

User response

FMM9028E: The file system '*volume group*' contains database files and the file or folder '*volume group*':

Explanation

The file system layout is wrong, the listed file or folder must not be on a file system that contains database data files or log files.

System action

The file system layout check fails..

User response

Change the database layout so that the listed folder is not on a data or log file system.

FMM9029E: The file system '*mountpoint*' contains both data and redo log files from the same database instance.

Explanation

FlashCopy Manager does not support log and data files on the same file system.

System action

The file system layout check fails.

User response

Change the database layout so that the data and redo log files are on separate file systems.

**FMM9030E: The following database *File Type* files are on the root file system:
*List of Files***

Explanation

The database redo log files and data files must be on a file system other than the root filesystem.

System action

The file system layout check fails.

User response

Change the database layout so that data files and redo log files are not on the root filesystem.

FMM9031E: The file system '*volume group*' contains both data files and redo log files.

Explanation

FlashCopy Manager does not support log and data files on the same file system.

System action

The file system layout check fails..

User response

Change the database layout so that the data and redo log files are on separate file systems.

FMM9032E: The following control files are included in the file system where the database data files are stored: *List of Controlfiles*

Explanation

The control files must not be on the file system where the database data files are stored.

System action

The file system layout check fails..

User response

Change the database layout so that the control files are not on a file system for database files.

FMM9033E: The following control files are not included in a file system for database or redo log files: *List of Controlfiles*

Explanation

The control files must be on a file system where database redo log files or the data files are stored.

System action

The file system layout check fails..

User response

Change the database layout so that the control files are on a file system for data or redo log files.

FMM9034E: The device class section '*device class name*' is missing in the profile

Explanation

The specified device class was used for backups or clones that reside within the repository but was not found in the profile. The device classes must remain in profile until all backups or clones that were created with the device class were deleted.

System action

The operation fails.

User response

Add the missing device class sections to the profile.

FMM9035I: The current profile does not specify preprocessing or postprocessing scripts. For consistent application backups, you must specify these scripts at the command-line when you enter a backup command. Alternatively, edit the profile in advanced mode (-advanced option) to specify the scripts.

Explanation

For consistent backups of your application, IBM Storage Protect Snapshot needs to quiesce the application before you take the hardware snapshot and resume the application afterward. For custom applications, scripts must be provided to quiesce or resume the application. IBM Storage Protect Snapshot starts these scripts at the appropriate moment. The implementation of the scripts is application-specific.

System action

Processing continues.

User response

Depending on the specifics of your application, ensure that you have the right preprocessing and postprocessing scripts in place. For consistent application backups, ensure to specify these scripts at the command-line when you issue a backup command. Alternatively, specify the scripts in the profile by editing it in advanced mode (-advanced option). Specify the scripts with the parameters PRE_FLASH_CMD and POST_FLASH_CMD. The settings of these parameters can be overridden with the command-line options -E and -Q when you enter a backup command.

FMM9036E: The file system *File System* is not of expected type *File System Type*

Explanation

The mixture of file system types that the database is located on is not supported.

System action

The file system type check fails..

User response

Make sure that the database is located on supported file systems.

FMM9037E: The following volume group(s) contain an unsupported mix of file system types: *Volume Groups*

Explanation

The mixture of file system types in a volume group is not supported.

System action

The file system type check fails..

User response

Do not mix file system types in one volume group.

FMM9038E: The file system *File System* in volume group *Volume Group* does not belong to the database.

Explanation

Only file systems that contain database files (such as data files, log files etc.) must be included in the volume groups the database resides on.

System action

The volume group layout check fails.

User response

Ensure to not include additional file systems in the volume groups the database resides on.

FMM9039W: As no database environment was found for user *User*, the Application Type is set to Custom Application (CAA). The volume group layout (fcm.volume_group_layout) and file system type checks (fcm.fileSystemType) cannot be run.

Explanation

When the environment variable DB2INSTANCE for the database user is set, the Application Type is DB2. When the environment variable ORACLE_SID for the database user is set, the Application Type is Oracle. When the environment variable ORACLE_SID for the database user is set and the binary brbackup is found in the user path, or the environment variable SAPDATA_HOME is set, the Application Type is Oracle_SA

System action

The Application Type defaults to Custom Application (CAA).

User response

Change the user environment to match your setup if your Application Type is not Custom Application (CAA).

FMM9040I: Starting check for property '*property*'

Explanation

IBM Storage Protect Snapshot Prerequisite Checker processing for the named property is starting. The property name refers to a value in the "Property" column of the prerequisite checker's output.

System action

Processing continues.

User response

No action is required.

FMM9041I: Completing check for property '*property*'

Explanation

IBM Storage Protect Snapshot Prerequisite Checker processing for the named property is complete. The property name refers to a value in the "Property" column of the prerequisite checker's output.

System action

Processing continues.

User response

No action is required.

FMM9042W: The volume group layout (fcm.volume_group_layout) and file system type checks (fcm.fileSystemType) cannot be run because the database is on Oracle ASM disk groups.

Explanation

The volume group layout and file system type checks cannot run on databases that are on Oracle ASM disk groups.

System action

The fcm.volume_group_layout and fcm.fileSystemType checks are not processed.

User response

Run the fcm.volume_group_layout and fcm.fileSystemType checks manually.

FMM9043W: The volume group layout (fcm.volume_group_layout) and file system type checks (fcm.fileSystemType) cannot be run because the database is a DB2 PureScale database.

Explanation

The volume group layout and file system type checks cannot run on DB2(R) PureScale databases.

System action

The fcm.volume_group_layout and fcm.fileSystemType checks are not processed.

User response

Run the fcm.volume_group_layout and fcm.fileSystemType checks manually.

FMM9044W: The volume group layout (fcm.volume_group_layout) and file system type checks (fcm.fileSystemType) cannot be run because the database is a DB2 DPF (Database Partitioning Feature) database.

Explanation

The volume group layout and file system type checks can not be run on DB2(R) DPF (Database Partitioning Feature) databases.

System action

The fcm.volume_group_layout and fcm.fileSystemType checks are not processed.

User response

Run the fcm.volume_group_layout and fcm.fileSystemType checks manually.

FMM9045I: The volume group layout support check (fcm.is_vg_layoutcheck_supported) validates if the volume group layout (fcm.volume_group_layout) and file system type checks (fcm.fileSystemType) can be run on the database.

Explanation

The volume group layout and file system type checks can not be run on DB2(R) DPF (Database Partitioning Feature) databases, DB2 PureScale databases, and Oracle databases that are on Oracle ASM disk groups.

System action

Processing continues.

User response

In each of these cases, you must run the fcm.volume_group_layout and fcm.fileSystemType checks manually.

FMM9046I: The file system type check (fcm.fileSystemType) validates if the files to be managed by IBM Storage Protect Snapshot are in supported filesystems.

Explanation

Depending on the environment, different filesystem types may be supported. For a list of supported filesystems, please refer to the Pre-installation Checklist PDF.

System action

Processing continues.

User response

No action is required.

FMM9047W: Log message(s) for partition *Partition Number*, logged on host *Host Name*: Log Message(s)

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from all partitions. During data collection, the messages listed are logged for the named partition.

System action

Processing continues.

User response

A warning message was issued. Review all messages and take appropriate action.

FMM9048E: Log message(s) for partition *Partition Number*, logged on host *Host Name*: Log Message(s)

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from all partitions. During data collection, the messages listed were logged for the named partition.

System action

Processing ends.

User response

An error message was issued. Review all messages and take appropriate action. Retry the operation.

FMM9049I: End of log message(s) for partition *Partition Number* on host *Host Name*.

Explanation

This message indicates the end of a list of messages issued for the named partition.

System action

The system action depends on the types of messages received.

User response

For certain messages, you will need to take action and retry the operation.

FMM9050E: There is not sufficient free space available in path *Path*. Make sure the free space amounts to at least *Number of Available Bytes* bytes.

Explanation

IBM Storage Protect Snapshot Prerequisite Checker requires more free space in the listed path.

System action

Processing ends.

User response

Make sure there is at least the amount of free space requested available in the named path. Retry the operation.

FMM9051W: No data files were found for partition *Partition Number* of database *Database Name*.

Explanation

When collecting data for each partition, IBM Storage Protect Snapshot Prerequisite Checker did not find any data files for the named partition and database.

System action

Processing continues.

User response

Check your database to determine if all relevant data are included by IBM Storage Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9052W: No database log files were found for partition *Partition Number* of database *Database Name*.

Explanation

When collecting data for each partition, IBM Storage Protect Snapshot Prerequisite Checker did not find any log files for the named partition and database.

System action

Processing continues.

User response

Check your database to determine if all relevant data are included by IBM Storage Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9053W: No data files were found for database *Database Name*.

Explanation

IBM Storage Protect Snapshot Prerequisite Checker did not find any data files for the named database.

System action

Processing continues.

User response

Check your database to determine if all relevant data are included by IBM Storage Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9054W: No database log files were found for database *Database Name*.

Explanation

IBM Storage Protect Snapshot Prerequisite Checker did not find any log files for the named database.

System action

Processing continues.

User response

Check your database to determine if all relevant data are included by IBM Storage Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9055I: Log message(s) for host *Host Name*: *Log Message(s)*

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from each host of the database. During data collection, the messages listed were logged for the named host.

System action

Processing continues.

User response

No action is required.

FMM9056W: Log message(s) for host *Host Name*: *Log Message(s)*

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from each host of the database. During data collection, the messages listed were logged for the named host.

System action

Processing continues.

User response

A warning message was issued. Review all messages and take appropriate action.

FMM9057E: Log message(s) for host *Host Name*: *Log Message(s)*

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from each host of the database. During data collection, the messages listed were logged for the named host.

System action

Processing ends.

User response

An error message was issued. Review all messages and take appropriate action. Retry the operation.

FMM9058I: End of log message(s) for host *Host Name*.

Explanation

This message indicates the end of a list of messages issued for the named host.

System action

The system action depends on the types of messages received.

User response

For certain messages, you will need to take action and retry the operation.

FMM9059E: Querying the operation system information for the following files and file systems failed on host *Host Name* for the following files: *List of Files*

Explanation

On the named host, IBM Storage Protect Snapshot Prerequisite Checker was not able to get OS information such as logical volume or volume group of the listed files. Maybe the files are on a file system that is not managed by a Logical Volume Manager.

System action

The volume group layout check fails.

User response

Change the database layout so that data and database log files are on file systems that are managed by a Logical Volume Manager.

FMM9060E: The file system *File System* on host *Host Name* is not of expected type *File System Type*.

Explanation

The mixture of file system types that the database is located on is not supported.

System action

The file system type check fails.

User response

Make sure that the database is located on supported file systems.

FMM9061E: The following database *File Type* files are on the root volume group of host *Host Name*: *List of Files*

Explanation

The database log files and data files must be on a volume group that does not contain the root filesystem.

System action

The volume group layout check fails.

User response

Change the database layout so that data files and log files are on volume groups that do not contain the root filesystem.

FMM9062E: The following database *File Type* files are on the root file system of host *Host Name*: *List of Files*

Explanation

The database log files and data files must be on a file system other than the root filesystem.

System action

The file system layout check fails.

User response

Change the database layout so that data files and log files are not in the root filesystem.

FMM9063E: On host '*Host Name*', the file system '*Mountpoint*' on volume group '*Volume Group*' contains data and log files of the same database.

Explanation

IBM Storage Protect Snapshot does not support log and data files on the same volume group.

System action

The volume group layout check fails.

User response

Change the database layout so that the data and log files are on separate volume groups.

FMM9064E: On host '*Host Name*', the file system '*mountpoint*' contains both data and log files of the same database.

Explanation

IBM Storage Protect Snapshot does not support log and data files in the same file system.

System action

The file system layout check fails.

User response

Change the database layout so that the data and log files are in separate file systems.

FMM9065E: On host '*Host Name*', the volume group '*Volume Group*' contains file systems with data files and file systems with log files of database '*Volume Group*'.

Explanation

IBM Storage Protect Snapshot does not support log and data files on the same volume group.

System action

The volume group layout check fails..

User response

Change the database layout so that the data and log files are on separate volume groups.

FMM9066E: On host '*Host Name*', the file system '*Mountpoint*' contains both data files and log files of database '*Volume Group*'.

Explanation

IBM Storage Protect Snapshot does not support log and data files on the same file system.

System action

The file system layout check fails..

User response

Change the database layout so that the data and log files are on separate file systems.

FMM9067E: The volume group '*Volume Group*' on host '*Host Name*' contains database files as well as the file or folder '*File Name*'.

Explanation

The listed file or folder must not be on a volume group that contains database data files or log files.

System action

The volume group layout check fails.

User response

Change the database layout so that the listed file or folder is not on a data or log volume group.

FMM9068E: The file system '*Mountpoint*' on host '*Host Name*' contains database files and the file or folder '*File Name*'.

Explanation

The listed file or folder must not be on a file system that contains database data files or log files.

System action

The file system layout check fails.

User response

Change the database layout so that the listed file or folder is not on a data or log file system.

FMM9069E: Volume group '*Volume Group*' on host '*Host Name*' contains *File Type* files of partition '*Partition Number 1*' and of partition '*Partition Number 2*'.

Explanation

A volume group must be dedicated to a single DB2 partition unless the database is enabled for parallel processing.

A partitioned DB2 database is enabled for parallel processing when the DB2 registry variable DB2_PARALLEL_ACS is set to YES. If the DB2 version does not support the DB2 registry variable DB2_PARALLEL_ACS, a partitioned DB2 database is enabled for parallel processing if the DB2 profile registry variable DB2_WORKLOAD is set to SAP.

Attention: If a volume group contains data files of two different partitions these partitions must cannot be backed up or restored independently from each other.

System action

The volume group layout check fails.

User response

Change the database layout so that each volume group contains database files of a single partition only, or enable the database for parallel processing, for example by setting DB2 registry variable DB2_PARALLEL_ACS to "YES".

FMM9070W: Volume group '*Volume Group*' on host '*Host Name*' contains *File Type* files of partition '*Partition Number 1*' and of partition '*Partition Number 2*'. These partitions must always be backed up and restored together. In the IBM Storage Protect Snapshot profile, use the PARTITION_GROUP parameter for these partitions.

Explanation

The database is enabled for parallel processing, either because the DB2 registry variable DB2_PARALLEL_ACS is set to YES or because the DB2 profile registry variable DB2_WORKLOAD is set to SAP; therefore, partitions can share data volume groups. However, if a volume group contains data files of two different partitions these partitions cannot be backed up or restored independently from each other.

System action

The volume group layout check issues a warning.

User response

If the partitions named can always be backed up and restored together no action is required. Otherwise, change the database layout so that each volume group contains database files of a single partition only.

FMM9071E: No database was found in instance '*Instance Name*' owned by '*Instance Owner*'.

Explanation

IBM Storage Protect Snapshot looks for a database in the instance named, but cannot find any.

System action

Processing ends.

User response

Check if the userid of the instance owner is spelled correctly, and if the database is configured and activated.

FMM9072I: Log message(s) for partition *Partition Number*, loggend on host *Host Name*: Log Message(s)

Explanation

IBM Storage Protect Snapshot Prerequisite Checker collects data from all partitions. During data collection, the messages listed are logged for the named partition.

System action

Processing continues.

User response

No action is required.

FMM9073E: The file system *File System* in volume group *Volume Group* of host *Volume Group* does not belong to database *Database Name*.

Explanation

Only file systems that contain database files (such as data files, log files, and so on) must be included in the volume groups the database resides on.

System action

The volume group layout check fails.

User response

Make sure not to include additional file systems with the volume groups that the database resides in.

FMM9074I: In DB2 DPF environments, the check for shared volumes (fcm.no_shared_volumes) checks whether a volume group contains database files of two or more partitions.

Explanation

In partitioned DB2 environments enabled for parallel processing, partitions that share volume groups must always be backed up and restored together. In other DB2 environments, no volume group can hold database files of two or more partitions.

Partitioned DB2 environments are enabled for parallel processing when DB2 registry variable DB2_PARALLEL_ACS is set to "YES" or when DB2_WORKLOAD is set to "SAP" while DB2_PARALLEL_ACS is not set to "NO".

System action

Processing continues.

User response

No action is required.

FMM9075I: The check of volume layout for cloning (fcm.volumes_for_cloning) validates that there is at least one control file located in a volume group or filesystem where database redo logs reside.

Explanation

In order to use the cloning functionality of IBM Storage Protect Snapshot, users must ensure that at least one Oracle control file is in a volume group or filesystem where also database redo logs are located.

System action

Processing continues.

User response

No action is required.

FMM9076W: No control file of database '*Database Name*' was found in a volume group where database redo logs were also located.

Explanation

In order to use the cloning functionality of IBM Storage Protect Snapshot, ensure that at least one Oracle control file is in a volume group where database redo logs are also located.

System action

A warning is issued. Processing continues.

User response

If the IBM Storage Protect Snapshot cloning functionality is to be used for the named database make sure that at least one Oracle control file is located in a log volume group.

FMM9077W: No control file of database '*Database Name*' was found in a filesystem where database redo logs are also located.

Explanation

In order to use the cloning functionality of IBM Storage Protect Snapshot, ensure that at least one Oracle control file is in a filesystem where database redo logs are also located.

System action

A warning is issued. Processing continues.

User response

If the IBM Storage Protect Snapshot cloning functionality is to be used for the named database make sure that at least one Oracle control file is located in a log filesystem.

FMM9078W: The current configuration applies both device types 'SVC' and 'SVCDTA' to the same IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. If you save these settings, the following restrictions will apply: 1) no new backups can be created for DEVICE_CLASS sections of type 'SVC' 2) existing backups that were created with DEVICE_CLASS of type SVC can be attached and restored on a file-copy basis only (individual VM or disk restore) 3) you cannot restore these backups by using an instant restore (flashback of an entire datastore)

Explanation

There are backups that were created using the old SVC adapter with static target allocation, which are configured to use the IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. This causes a conflict when you set up a DEVICE_CLASS of type SVCDTA, and configure it to use the same server.

System action

Processing continues but with the said constraints.

User response

Acknowledge the restrictions, and continue with the existing settings OR enter a different server name to avoid the device types conflict.

FMM9079E: File '*File Name*' on host '*Host*' is not a data file or a log file of database '*Database Name*'.

Explanation

IBM Storage Protect Snapshot is trying to obtain information on data or log files of the named database.

System action

Processing ends.

User response

Check the log files for messages indicating the problem.

FMM9080E: Database '*Database Name*' is not an active database.

Explanation

The database named must be activated for the IBM Storage Protect Snapshot Prerequisite Checker to verify the database and to run the checks.

System action

Processing ends.

User response

Activate the database, for example with the "db2 activate" command, and start IBM Storage Protect Snapshot Prerequisite Checker again.

FMM9081E: The parameter *parameter_name* must not be set to 'ADAPTIVE' in combination with DEVICE_CLASS sections configured for the IBM Storwize v7000 / IBM System Storage SAN Volume Controller that use dynamic target allocation (device type 'SVCDTA')

Explanation

Using dynamic target allocation for the IBM Storwize v7000 / IBM System Storage SAN Volume Controller requires that you specify a fixed number of backup generations to keep in parallel.

System action

Processing ends.

User response

Specify an upper limit for the said parameter or remove the conflicting DEVICE_CLASS sections from the profile.

FMM9082I: You configured this DEVICE_CLASS section for IBM Storwize v7000 / IBM System Storage SAN Volume Controller using dynamic target allocation (device type 'SVCDTA'). Note that in this case the parameter MAX_VERSIONS of the VMWARE profile section must not be set to ADAPTIVE. Ensure that you set the parameter MAX_VERSIONS to a fixed limit.

Explanation

Using dynamic target allocation for the IBM Storwize v7000 / IBM System Storage SAN Volume Controller requires that you to specify a fixed number of backup generations to keep in parallel.

System action

Processing ends.

User response

Revisit the profile configuration and specify an upper limit for the parameter MAX_VERSIONS of the VMWARE profile section.

FMM9083E: The current configuration applies both device types "SVC" and "SVCDTA" to the same IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. This setup requires that those DEVICE_CLASSES of type "SVC" are configured in a downgraded mode so that only mount operations are allowed. The profile is missing the necessary tags.

Explanation

In a mixed "SVC" / "SVCDTA" configuration new backups and flashback restores must not be performed with DEVICE_CLASSES of type "SVC" to avoid conflicts. The IBM Storage Protect Snapshot configuration wizard automatically tags these DEVICE_CLASS sections in the profile. This error occurs if one of these tags is missing, most likely as a result of manually editing the profile.

System action

Processing ends.

User response

Rerun the setup routines or configuration wizard to automatically correct the issue.

FMM9084I: In DB2 DPF environments, the check for shared volumes (fcm.warn_no_shared_volumes) checks whether a volume group contains database files of two or more partitions.

Explanation

In partitioned DB2 environments that are enabled for parallel processing, partitions that share volume groups must always be backed up and restored together. In other DB2 environments, no volume group can hold database files of two or more partitions.

Partitioned DB2 environments are enabled for parallel processing when DB2 registry variable DB2_PARALLEL_ACS is set to "YES" or when DB2_WORKLOAD is set to "SAP" while DB2_PARALLEL_ACS is not set to "NO".

System action

Processing continues.

User response

No action is required.

FMM9085E: A TCP/IP connection could not be established to port '*Port*' at host '*Host*'. Reason: '*Reason*'

Explanation

IBM Storage Protect Snapshot Prerequisite Checker is attempting to connect to the port at the host listed in the message. The connection fails for the reason mentioned.

System action

Processing continues.

User response

Check the spelling of the port and host. If appropriate, correct the parameters and run IBM Storage Protect Snapshot Prerequisite Checker again.

FMM9086E: The backup function is not allowed for a DEVICE_CLASS using the device type SVC when another DEVICE_CLASS is using the same storage server and the device type SVCDTA.

Explanation

The current configuration applies both device types 'SVC' and 'SVCDTA' to the same IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. No new backups can be created for DEVICE_CLASS sections that are configured for the old device type 'SVC', and that are associated to the same server name. However, existing backups that were created with the 'SVC' device type using pre-defined target volumes can be mounted and restored on a file-copy basis, but cannot also be restored by an instant restore (flashback).

System action

Processing ends with backup function failed.

User response

Use the new configured DEVICE_CLASS with the device type SVCDTA to back up the application data.

FMM9087E: The instant restore function is not allowed for a DEVICE_CLASS using the device type SVC when another DEVICE_CLASS is using the same storage server and the device type SVCDTA.

Explanation

The current configuration applies for both device types 'SVC' and 'SVCDTA' to the same IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. Existing backups for the device type 'SVC' cannot be restored using the instant restore (flashback) function. However, they can be restored on a file-copy basis.

System action

Processing ends with instant restore function function failed.

User response

To restore existing backups for the old device class 'SVC' use the file-copy restore function.

FMM9088E: The SSH connection could not be established because the file permissions of the '*ssh key file*' SSH private key file are too open.

Explanation

The private key file must not be accessible by anyone other than the current user.

System action

Processing ends.

User response

Change the file permission to 0600 to allow only the current user to access the SSH key file.

FMM9089W: The SSH connection could not be established. The following error message was generated by the SSH command: '*ssh error*'

Explanation

There was a problem establishing the SSH connection. Possible reasons are that the private key file is not valid for the user or the storage system host name is wrong.

System action

Processing ends.

User response

Ensure that the user ID and storage system host name are valid for the used private key file.

FMM9090W: The SSH port 22 on the '*svc name*' SVC storage system could not be connected. Check the SSH port on the storage system.

Explanation

The SSH port 22 needs to be connectable in order to establish an SSH connection to run SVC CLI commands.

System action

Processing ends.

User response

Check the SSH port on the storage system or enter another storage system host name.

FMM9091E: The '*data store name*' data store is mounted on the following disconnected ESX hosts: '*ESX host list*'. The operation cannot be performed when these ESX hosts are in the disconnected state.

Explanation

The specified data stores are mounted at the specified ESX hosts. These ESX hosts are disconnected. Therefore the backup or restore operation for the data stores cannot proceed.

System action

Processing ends.

User response

Remove the specified ESX hosts completely from your vSphere environment or reconnect them.

FMM9092W: The current configuration applies both device types 'SVC' and 'SVCDTA' to the same IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. If you save these settings, the following restrictions will apply: 1) no new backups can be created for DEVICE_CLASS sections of type 'SVC' 2) existing backups that were created with DEVICE_CLASS of type SVC can be attached and restored, but will result in the destruction of newer backups, even if they were created using the new adapter.

Explanation

There are backups that were created using the old SVC adapter with static target allocation, which are configured to use the IBM Storwize v7000 / IBM System Storage SAN Volume Controller server. This causes a conflict when you set up a DEVICE_CLASS of type SVCDTA, and configure it to use the same server.

System action

Processing continues but with the said constraints.

User response

Acknowledge the restrictions, and continue with the existing settings OR enter a different server name to avoid the device types conflict.

FMM9093I: You configured this DEVICE_CLASS section for IBM Storwize v7000 / IBM System Storage SAN Volume Controller using dynamic target allocation (device type 'SVCDTA'). Note that the parameter MAX_VERSIONS in the CLIENT profile section or the parameter MAX_SNAPSHOT_VERSIONS in the .utl file must not be set to ADAPTIVE. Ensure that you set this parameter to a fixed limit.

Explanation

Using dynamic target allocation for the IBM Storwize v7000 / IBM System Storage SAN Volume Controller requires that you specify a fixed number of backup generations to keep in parallel.

System action

Processing ends.

User response

Revisit the profile configuration and specify an upper limit for the parameter MAX_VERSIONS of the CLIENT profile section.

FMM9094I: Command mmbbackup was run successfully: *mmbbackup_output*

Explanation

The mmbbackup command was run successfully. The output of the command is shown.

System action

Processing continues.

User response

None.

FMM9095E: Command mmbackup failed:

Explanation

The mmbackup command was run unsuccessfully. The output of the command is shown.

System action

Processing continues.

User response

Examine the mmbackup output for further information on the cause of the failure. Make corresponding adjustments and rerun the operation.

FMM9096I: Offloading of backup with ID *backup ID* to IBM Storage Protect server(s) *server list* ended successfully on *timestamp*.

Explanation

A backup was successfully sent to a list of IBM Storage Protect servers. The operation ended at the time given. The timestamp was created on the IBM Storage Scale management node initiating the backup to the IBM Storage Protect server(s).

System action

Processing ends.

User response

None.

FMM9198E: While processing path *path_name*, an error occurred. The following error information was received: *detailed_error_information*

Explanation

This message indicates that a problem occurred while processing the following path: *path_name*. If you are protecting data for DB2 applications, this path contains one or more of the database files to be included in the operation. If you are protecting data for Oracle databases or the Custom Application Agent, this path was provided in the in-file specified with the flag "-I <infile_name>" in the command.

System action

The operation stops. The operation cannot continue until the error is resolved.

User response

To help resolve the problem the *detailed_error_information* is available. After you resolve the issue, enter the command again.

FMM9199E: The following command returned with an error: *command* The return code from this command is *return_code* The following command output was received: *command_output* Additional support information: An exception was thrown at position: *position(line)*.

Explanation

This message indicates that the *command* returned with the error indicated by *return_code*. Any additional *command_output* is provided.

System action

The operation stops. The operation cannot continue until the error is resolved.

User response

To help resolve the problem the *command_output* is available. After you resolve the issue, enter the command again.

FMM9200E: Additional support information: An exception was thrown at position: *position(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9201E: Additional support information: An exception was thrown at position: *position(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9202E: Additional support information: An exception was thrown at position: *position(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9203E: Additional support information: An exception was thrown at position: *position(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9204E: Additional support information: An exception was thrown at position: *file(line) (text_description)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9205E: Additional support information: Unable to instantiate *name* at *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9206E: Additional support information: Unable to use *actual* when expecting *expected* at *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9207E: Additional support information: An exception was thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9208E: System error *errno: errno text* at position: *file(line)*.

Explanation

A system call failed with *errno*.

System action

User response

Check *errno* and *errno text* with your system administrator. If you cannot resolve the problem, contact IBM Support.

FMM9209E: Additional support information: No handler registered for message type *message*. Thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9210E: ESD_AbortDispatchingException thrown at position: *file(line)*.

Explanation

An internal error occurred.

System action

User response

Contact IBM Support.

FMM9211E: Additional support information: An exception was thrown at position: *file(line)*. (State *state*)

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9212E: Additional support information: No handler registered for message type (*message_type*, *classname*). Thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9213E: A memory allocation request failed at position: *file(line)*.

Explanation

This error message indicates an out-of-storage condition. It may occur due to a previous error, or it may be owed to a large size of the internal buffers.

System action

User response

Check for and respond to preceding error messages. You may also want to reduce the size of the internal buffers (keyword BUFFSIZE in the Data Protection for SAP profile).

FMM9214E: Additional support information: An exception was thrown from a destructor.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9215E: The maximum string length supported for *name* is *length*.

Explanation

The supported string length of a system component, e.g. file name or hostname has been violated.

System action

User response

Check the components involved in the operation. If the problem cannot be resolved contact your IBM support personnel.

FMM9216E: Additional support information: An exception was thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9217E: Additional support information: An exception was thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9218E: Additional support information: An exception was thrown at position: *file(line)*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9219E: Additional support information: Invalid error type *type* encountered.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact IBM Support.

FMM9220E: Additional support information: Second call of *call*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action

User response

Contact your IBM Support.

FMM9221E: The operation ended prematurely with return code *rc*. An exception was thrown at position: *file(line)*.

Explanation

An operation could not be finished successfully due to an unexpected termination.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9222E: A snapshot-type operation was interrupted, Additional support information: An exception was thrown at position: *file(line)*.

Explanation

A snapshot operation could not be finished successfully due to an unexpected interruption.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9223E: The operation will be aborted.

Explanation

An internal error during an operation leads to an abort of that operation.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9224E: The operation will be aborted. Check for other error messages in the log files.

Explanation

An internal error during an operation leads to an abort of that operation.

System action

User response

Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9225E: The keyword '*keyword*' has not been found in the line '*line*' of the file '*file_name*'. Please change it back to the original value if you modified it.

Explanation

Occurs for example if the entries in the file */etc/inittab* have been modified before a second installation.

System action

User response

Change the modified *line* in the *file_name* back to the original value, *keyword* gives a hint to what is expected.

FMM9226E: The ASM instance with SID='*instance id*' is not available. Please check if the ASM_INSTANCE_ID is set to the right ASM instance, if yes start it and check the availability.

Explanation

The ASM instance with the specified SID could not be accessed.

System action

Processing ends.

User response

Check if the ASM instance with the specified SID is available and started.

FMM9227E: The ASM diskgroup '*diskgroup*' has not been found. Ensure that it is available.

Explanation

The specified diskgroup is needed for the backup but it has not been found in the ASM instance.

System action

Processing ends.

User response

Please ensure that the diskgroup is available in your ASM instance and that it is mounted.

FMM9228E: Expected ASM file but found file: 'file'

Explanation

ASM files were expected, but a non-ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action

Processing ends.

User response

Please ensure that you do not have a mixed environment with ASM and non-ASM files.

FMM9229E: Expected file but found ASM file: 'file'

Explanation

Non-ASM files were expected, but an ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action

Processing ends.

User response

Please ensure that you do not have a mixed environment with ASM and non-ASM files.

FMM9230E: The SSL/TLS certificate provided by the server is missing a valid subject DN or issuer DN field.

Explanation

The subject DN or issuer DN field of the certificate provided by the server is missing. Both fields are mandatory fields to allow a validation of the certificate.

System action

The task stopped before successfully completing.

User response

Import a valid server certificate to the key ring database 'fcmcert.kdb'.

FMM9231E: The SSL/TLS certificate provided by the server is not proving its supposed identity.

Explanation

The SSL/TLS certificate provided by the server is not issued for the server that was supposed to connect. The alternative name or subject CN field of the certificate does not match the hostname or IP address of the server that was actually connected.

System action

The task stopped before successfully completing.

User response

Revalidate the correctness of the certificate that has been imported to the key ring database 'fcmcert.kdb'. Its alternative name or subject CN field needs to match the hostname or IP address as stated in the IBM Storage Protect Snapshot profile (GLOBAL section, parameter ACSD).

FMM9300E: Additional support information: Aborting 'send' operation. See previous error.

Explanation

This error may have been caused by previous errors.

System action

User response

Check for previous errors and correct them.

FMM9301E: Additional support information: State *state* does not match state pattern *pattern*.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action

User response

Contact your IBM Support.

FMM9302E: Additional support information: A process ended unexpectedly. Check previous error messages.

Explanation

This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action

Processing ends

User response

Contact your IBM Support.

FMM9306I: Dumping callstack.

Explanation

This message is always preceded by an error message indicating the problem. It provides additional information that might help IBM Support to analyze the cause of the problem.

System action

User response

If you need to call IBM Support, provide the information given in this message together with the error information.

FMM9307E: Did not find a winsock dll compatible with version *major_winsock version.minor_winsock version*. Version found is *low_byte_available version.high_byte_available version*.

Explanation

The product failed to load the appropriate winsock dll.

System action

Processing stops.

User response

Contact your system administrator.

FMM9308E: A socket request timed out after processing *number of bytes* bytes. *file(line)*.

Explanation

A socket request was issued with a timeout and the requested action could not be completed within the time specified. It was cancelled after processing *number of bytes* bytes.

System action

User response

If you need to call IBM Support, provide the information given in this message together with the error information.

FMM9309E: Operation terminated due to an explicit abort request.

Explanation

An operation was terminated due to customer intervention.

System action

User response

None.

FMM9310E: Could not add *backup_id* to the repository at *path*.

Explanation

The system was not able to add information on the named backup to the repository located in the path indicated.

System action

User response

Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

FMM9311E: Could not find *backup_id* in the repository at *path*.

Explanation

Information on the backup denoted by the backup ID could not be found in the repository located in the path indicated.

System action

User response

Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

FMM9312E: *backup_id* is currently locked in the repository at *repository*.

Explanation

The information on the backup denoted by the backup ID is currently locked by a different process. Make sure to run only a single operation using a specific backup at a time.

System action

User response

Wait for the other operation to finish or abort this operation. Then start again. If the problem persists contact your IBM support personnel.

FMM9313E: Failed to update *backup_id* in the repository at *path*.

Explanation

The information on the named backup could not be updated in the repository located at the path named.

System action

User response

Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

FMM9314E: Could not remove *backup_id* from the repository at *path*.

Explanation

An attempt to remove the information on the backup named from the repository located at the path indicated failed.

System action

User response

Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

FMM9315E: Could not access the repository at '*path*' because it is currently locked by another process.

Explanation

When starting up, the server tried to load the repository located at the path named. However, the repository was locked by a different process. This can happen if two server processes try to use the same repository. This is not supported.

System action

User response

Make sure each instance of the server uses its own repository.

FMM9316E: The name '*name*' refers to an existing file or directory, but it does not appear to be a valid repository. In order to continue you need to specify either a non existing directory or the path of an existing valid repository.

Explanation

The server could not locate its repository when it started.

System action

User response

Correct the profile or the call as appropriate.

FMM9317E: The specified backup id '*backup_id*' must have *char_count* characters. If the specified amount of characters exists, make sure there are no special characters.

Explanation

The length of the specified backup id is incorrect.

System action

User response

Correct the length of the backup id to match the specified length.

FMM9318E: The file '*filename*' has not been found. It is required for the device agent to function. Check your installation.

Explanation

The specified file has not been found even though it was included in the installation.

System action

User response

Check that the specified file is available in the specified location. Consider installing the product again in order to make the file available.

FMM9319E: Operation is terminated.

Explanation

The current operation is stopped. See other errors in the log file.

System action

The operation stops.

User response

Check for other errors in the log file. If no other errors are found, contact your product support team.

FMM9320W: Warning: Backup of previous profile version failed (file access error).

Explanation

Before writing a new version of the profile, the previous version is renamed into <profilename>.bck. Due to an error renaming failed so that the original profile is just overwritten by the new revision. As a consequence, no backup of the previous version is available.

System action

None.

User response

Ensure the backup variants of your profile (extensions .bck and .bck2) are writable.

FMM9327I: Note: No ISPS server certificate found in key database and no self-signed certificate file "\${GSK_SELFSIGN_CERT}" found to be imported. If not using CA signed certificates, import self-signed certificate from Production System (PS). For details, refer to the User's Guide.

Explanation

Except when using CA signed certificates the public part of the self-signed server certificate needs to be imported to the key database of the IBM Storage Protect Snapshot installation on backup and cloning system nodes (BS/CS).

System action

If a CA signed certificate is installed to the key database on production system (PS), the message can be ignored; IBM Storage Protect Snapshot correctly operates. If no CA signed certificate is installed on PS, IBM Storage Protect Snapshot fails to operate until the self-signed server certificate has been deployed to the backup and cloning system nodes.

User response

Copy the self-signed server certificate file "fcmsselfcert.arm" from the IBM Storage Protect Snapshot instance installation path on production system (PS) to the IBM Storage Protect Snapshot installation path on your backup or cloning system. Rerun the setup script to automatically import the file to the key database.

FMM9328E: An error occurred in the secure communication layer when running the following function: *function*. GSKit return code: *numeric return code*. GSKit error: *return value*.

Explanation

Information about the error is provided in the *return value*.

System action

The task stopped before successfully completing.

User response

Resolve the problem identified in the *return value*. Try the operation again.

FMM9329E: An error occurred when the software tried to link the SSL Implementation to GSKit. GSKitWrapper error: '*linker error*'

Explanation

Information about the error is provided in *linker error*.

System action

The task stopped before successfully completing.

User response

Resolve the problem identified in the *linker error*. Try the operation again.

FMM9330E: Error: Invalid Server name. The server name must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation

The server name specified in the profile is not valid.

System action

Processing ends.

User response

Correct the servername specified in your profile.

FMM9331E: Error: Invalid User name. The user name must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation

The user name specified in the profile is not valid.

System action

Processing will end.

User response

Correct the user name specified in your profile.

FMM9332E: Error: Invalid User password. Run 'fcmcli -f password' to create the password. The password must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation

The specified password is not valid.

System action

Processing ends.

User response

Run 'fcmcli -f password' to set the correct password.

FMM9333E: Error: Invalid Secondary Server name. The server name cannot exceed a length of *max* characters. The current length is *len*.

Explanation

The Secondary Server name specified is not valid.

System action

Processing will end.

User response

Correct the Secondary Server name specified in your profile.

FMM9334E: Error: Invalid Server installation directory. The path to install directory cannot exceed a length of *max* characters. The current length is *len*.

Explanation

The Server install directory is invalid.

System action

Processing ends.

User response

Correct the Server install directory.

FMM9335E: Error: Invalid Java home directory. The path to the Java Home directory cannot exceed a length of *max* characters. The current length is *len*.

Explanation

The Java Home directory is invalid.

System action

Processing ends.

User response

Correct the Java Home directory.

FMM9336E: Error: Invalid Port number. The port number cannot be higher than *max*. The current port is *port*.

Explanation

The specified port is invalid.

System action

Processing will end.

User response

Correct the port number in your profile.

FMM9337W: The given port number *port* is already in use by another process.

Explanation

The specified port is currently occupied by another process. The port might be still occupied during later operation which will cause the product is not able to operate properly.

System action

User response

Change port number in your profile.

FMM9339E: The specified device class *name* is already in use by *section* section.

Explanation

The specified device class is already referenced by a section of another type. A given device class may be used exclusively either by a CLIENT or a CLONING section

System action

User response

Choose another device class name which is not in use by another section type.

FMM9340E: The FlashCopy Cloning operation failed because the FlashCopy mappings used for Cloning are dependent on older FlashCopy mappings from older FlashCopy Backup or Cloning operations. You can either wait until the older

FlashCopy mappings are in state `idle_or_copy` or you can start the Cloning operation with the force option `[-F]` which will force the older FlashCopy mappings to be stopped. In the latter case you will loose your older FlashCopy Backups or Clones.

Explanation

When you perform FlashCopy Backup and Cloning operations of the same production database to multiple FlashCopy target sets then you can have situations where you cannot always reuse the oldest target set for a new operation. For example you have started a FlashCopy Backup on space efficient target set T1 on Monday and you started a FlashCopy Cloning on a full target set T2 on Tuesday. Now you need to restart the FlashCopy Cloning in the same target set T2. This will result in the above error situation where you would destroy the FlashCopy Backup from Monday. FlashCopy Manager has implemented this error handling so that you cannot destroy FlashCopy Backups by accident. If you need to restart the FlashCopy Cloning operation urgently and you accept to loose FlashCopy Backups, then you can start the FlashCopy Cloning operation with the force option `[-F]` which will destroy the FlashCopy Backups and allows the FlashCopy Cloning operation to run successfully.

System action

User response

You can either wait until the older FlashCopy mappings are in state `idle_or_copy` or you can start the Cloning operation with the force flag `[-F]` which will force the older FlashCopy mappings to be stopped. In the latter case you will loose your older FlashCopy Backups or Clones.

FMM9341E: The name of the clone database is missing.

Explanation

The device class that is associated with the clone database requires at least one database name to be specified.

System action

User response

Specify one (or more) database names. If more than one database name is specified, separate each name with a space.

FMM9342E: Unmounting of file system '*filesystem*' at backup system does not work.;

Explanation

The IBM Storage Scale command `mmumount -force` was not able to unmount the file system.

System action

Processing ends.

User response

Check what prevents the unmount of the remote IBM Storage Scale file system. Solve this issue and call the IBM Storage Protect Snapshot unmount command again.

FMM9344E: The daemon you tried to install was denied (for security reasons).

Explanation

System action

Processing stops.

User response

Check for correct daemon.

FMM messages for Microsoft™ Management Console

FMM messages in the range 500000-50099 are issued by IBM Storage® Protect Snapshot for Windows™. The messages concern the Microsoft™ Management Console (MMC).

IBM Storage® Protect Snapshot messages that concern Microsoft™ Management Console are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMM messages for Microsoft Management Console: The product license could not be opened.

FMM50001E: The product license could not be opened.

Explanation

At least one license is required. If this is a PTF package ensure that it is being installed over an existing package.

System action

Processing ends.

User response

Install the product again by running SetupFCM. SetupFCM is located in the root of your GA media. SetupFCM stores the media location in the registry when it is run. This will help to ensure that the correct licenses can be found.

FMM50002E: The product registry key could not be opened.

Explanation

The product registry key is missing.

System action

Processing ends.

User response

Reinstall the product to create the required registry keys.

FMM50003E: Unable to connect to the {0} server.

Explanation

Communication with a {0} server could not be established using the specified settings.

System action

Does not connect to the {0} server.

User response

Update {0} server settings as needed. Review the errors log file for details.

FMM50004E: Unable To Obtain RSS Feed

Explanation

An attempt to read an RSS feed was made but could not be established.

System action

Processing will continue.

User response

Ensure that there is an internet connection

FMM50005E: No RSS items were available.

Explanation

An RSS feed was read but no items were available.

System action

Processing will continue.

User response

Try the operation again at a later time.

FMM50006E: Email must configured before mail can be sent.

Explanation

One or more email settings is not configured.

System action

Processing will continue.

User response

Click Settings... to configure email.

FMM50007I: Windows PowerShell is not installed.

Explanation

Windows PowerShell is required to run the selected script.

System action

The selected script will not be run.

User response

Install Windows PowerShell. PowerShell is included with Windows Server 2008 and above but must be enabled as a feature using Windows Server Manager. For earlier versions of Windows, PowerShell can be obtained from the Microsoft download site.

FMM50008E: The application cannot run in safe mode.

Explanation

The application requires either Services or Drivers that are not available when running in safe mode.

System action

The application processing stops.

User response

Restart the system using the normal startup. When the system is started, run the application.

FMM50009E: Windows PowerShell 3.0 or above, a prerequisite for Tivoli Storage FlashCopy Manager, is not installed. Install the prerequisite software before running Tivoli Storage FlashCopy Manager.

Explanation

Microsoft Windows PowerShell 3.0 or above is a prerequisite for Tivoli Storage FlashCopy Manager. This prerequisite is not met so the Tivoli Storage FlashCopy Manager software is not going to run.

System action

Install the prerequisite software before installing and running Tivoli Storage FlashCopy Manager.

User response

Microsoft Windows PowerShell is available for download from the Microsoft Windows web site.

FMM50010E:

Explanation

Can not connect to the computer. {0}

System action

Application processing continues.

User response

Ensure that the computer name and credentials are specified correctly and try again.

FMM50011E: {0} will not start with invalid parameters.

Explanation

{0} was started with a bad parameter in the command line. Bad argument -> {1}

System action

Start {0} with valid parameters.

User response

Ensure the command line parameters are correct and try again.

FMM50012E: {0} will not start with invalid parameters.

Explanation

{0} was started with a parameter in the command line that specifies a file that does not exist. File -> {1}

System action

Start {0} with valid parameters.

User response

Ensure the command line parameters are correct and try again.

FMM50013E:

Explanation

When starting the software, a parameter in the command line specified a SQL Server instance that does not exist. The SQL Server instances that are not found are: '{0}'. The available SQL Server instances are: '{1}'

System action

Start {0} by referencing an available SQL Server instance.

User response

Review the command line parameters to ensure there are no typographical errors. You can also test the connection the SQL Server instance that is being called, but is not found.

FMM messages for IBM® XIV® storage systems

FMM messages in the range 18000-18199 are issued by IBM Storage® Protect Snapshot components that use the IBM® XIV® Storage System.

IBM Storage® Protect Snapshot messages that concern the IBM® XIV® Storage System are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and operator response.

FMM18000E: FcmParserException thrown.

Explanation

The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18003E: FcmParserException thrown, see *trace_file* for details.

Explanation

The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail. For more information, see the specified trace file for detailed information about the conditions that caused this problem.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18005E: No value is specified for the mandatory *parameter_key* parameter.

Explanation

The generic command parser of the storage device adapter fails because no value is provided for the parameter with the specified key. This error is probably caused by a configuration problem.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete. Also, verify that the configuration of your target set files is correct if applicable.

FMM18006W: The *logfile* log file cannot be created.

Explanation

The log file cannot be created at the specified location because the path does not exist or write permissions are not assigned to the directory.

Operator response

The log file is created in the logs subfolder in the ACS_DIR directory as specified in the profile configuration file. Ensure that this folder exists and that the correct access rights are assigned to the directory. Reconfigure the ACS_DIR parameter in the GLOBAL section of the profile if appropriate.

FMM18007W: The *message_received* message is received but the *message_expected* message is expected.

Explanation

The generic command parser of the storage device adapter received a message that it cannot handle in its current state. This message is ignored.

Operator response

No action is required.

FMM18008E: The *key* parameter is not present in the profile.

Explanation

The specified parameter is missing in the profile configuration or no value is assigned to this parameter.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete.

FMM18009E: FcmStorageDeviceException thrown.

Explanation

The generic storage device adapter layer received an exception from the storage adapter implementation. This error message is preceded by other error messages that specify the root cause of the issue in more detail.

Operator response

This error is specific to the device adapter implementation or the storage device it interacts with. Review the preceding error message to identify the root cause as the source can result from various areas.

FMM18010E: FcmProfileException thrown.

Explanation

The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete.

FMM18011E: Unable to read from the standard input (STDIN).

Explanation

The generic command parser of the storage device adapter failed after receiving messages from IBM Storage Protect Snapshot.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18012E: The *key* key is not allowed after *message* message.

Explanation

The generic command parser of the storage device adapter did not receive the message as expected according to its internal state machine.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18013E: FcmStorageDeviceException thrown, see *trace_file* for details.

Explanation

The generic storage device adapter layer received an exception from the storage adapter implementation. This error message is preceded by other error messages that specify the root cause of the issue in more detail. The specified trace file provides more detailed information about the conditions that lead to this issue.

Operator response

This error is specific to the device adapter implementation or the storage device it interacts with. Review the preceding error message and the specified trace file to identify the root cause as the source can result from various areas.

FMM18014E: FcmProfileException thrown, see *TraceFile* for details.

Explanation

The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail. For more information, see the specified trace file for detailed information about the conditions that caused this issue.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete.

FMM18015I: The *srcname* backup item was restored from the *snapname* snapshot.

Explanation

This is an information message about the restore of the source volume by using one snapshot backup.

Operator response

No action required.

FMM18016W: The *logdir* log directory cannot be created.

Explanation

The log file directory cannot be created at the specified location. This issue can arise because write permissions are not assigned to the directory.

Operator response

The log file directory is created as a subfolder in the ACS_DIR directory as specified in the profile configuration file. Ensure that this directory exists and that the correct access rights are assigned to the directory. Reconfigure the ACS_DIR parameter in the GLOBAL section of the profile if appropriate.

FMM18017E: The *Message* message received, ends the current operation.

Explanation

This error message indicates that the storage device adapter was instructed by IBM Storage Protect Snapshot to end the current operation.

Operator response

This message is resulting from an internal control flow mechanism. This flow is triggered by an aborted operation at a higher level that is triggered by a user or an error condition. No action is required.

FMM18018E: The *message* message is not allowed in this context.

Explanation

The generic command parser of the storage device adapter received an unexpected message that is not allowed in this context and therefore cannot be handled.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18019I: The *snapname* snapshot was created for the backup item *srcname*.

Explanation

This is an information message about the snapshots generated for the corresponding source backup items.

Operator response

No action required.

FMM18020E: No additional messages are allowed after the #END tag. The *message* message might belong to the next section.

Explanation

The generic command parser of the storage device adapter received an unexpected message that is not allowed in this context and therefore cannot be handled. The occurrence of this error message indicates an internal error.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18021E: When starting the *function* function, the list of snapshot items that are received from IBM Storage Protect Snapshot OS agent is empty.

Explanation

The snapshot item list is empty.

Operator response

Issue the inquire function to verify that this backup is valid for the named operation.

FMM18022E: No response received from the storage device adapter.

Explanation

The response data that is expected from the requested call to the storage device adapter is not present.

Operator response

Verify the installation and configuration of the specific storage device adapter.

FMM18023W: When invoking the *function* function, the list of snapshots that was received from IBM Storage Protect Snapshot OS agent is empty.

Explanation

A request for the specified function was received. However, the list of snapshots is empty.

Operator response

This message is a warning message and depending on the context no action might be required.

FMM18024E: The storage adapter implementation did not provide a complete set of capabilities. The missing keys are: *missing_keys*

Explanation

Each storage device adapter implementation is expected to provide information about its specific capabilities. IBM Storage Protect Snapshot must have a fixed set of capabilities that are required for handling the storage device according to its specific characteristics. Some or all of these capabilities are not provided by the storage adapter implementation.

Operator response

Verify the installation and configuration of the specific storage device adapter. Ensure that it is compatible with the version of IBM Storage Protect Snapshot that you are using.

FMM18025E: The storage adapter implementation did not provide the expected monitoring information for the *snapshot_name* snapshot.

Explanation

Some storage device types perform background copy operations that must be monitored by IBM Storage Protect Snapshot. During monitoring, the storage device adapter is periodically polled to provide an update on the status of the copy operation. This monitoring information was not provided by the storage adapter implementation as expected.

Operator response

Verify the installation and configuration of the specific storage device adapter. Ensure that it is compatible with the version of IBM Storage Protect Snapshot that you are using.

FMM18026E: The parsed value [*value*] has an invalid format that cannot be parsed.

Explanation

The specified value has an unknown format that cannot be handled by the parser of the generic storage adapter layer.

Operator response

The occurrence of this error message indicates an internal error. This problem might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18027E: The [*target_volume*] target volume is specified multiple times.

Explanation

For the specification of target volumes, each target volume can be specified only once. The provided target set contains duplicated target volumes.

Operator response

Review your target set definition file and ensure that each target volume occurs only once.

FMM18028E: The [*source_volume*] source volume is specified multiple times.

Explanation

For explicitly mapping source volumes to target volumes, each source volume can be specified only once. The provided target set contains duplicated source volumes.

Operator response

Review your target set definition file and ensure that each specified source volume occurs only once.

FMM18029E: The global unique identifier that is provided by IBM Storage Protect Snapshot must contain a value.

Explanation

When IBM Storage Protect Snapshot requests a new backup, the device agent API expects a global unique identifier to be passed as a parameter. This identifier is not present.

Operator response

The occurrence of this error message indicates an internal error. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure all that all of its components are at the same version level.

FMM18030E: The backup ID provided by IBM Storage Protect Snapshot must contain a value.

Explanation

When IBM Storage Protect Snapshot requests a new backup, the generic device adapter layer expects a backup identifier to be passed as a parameter. This identifier is not present.

Operator response

The occurrence of this error message indicates an internal error. This problem might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18031E: The mandatory attribute [*attribute*] is missing.

Explanation

The generic command parser of the storage device adapter received a data structure which is missing the specified attribute. The attribute is mandatory for successfully processing the current request or response to a request.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18032E: The adapter implementation did not provide a result for the delete request of snapshot [*snapshot*].

Explanation

The adapter implementation is expected to provide an indication how it processed the snapshots that were requested to be deleted. The adapter implementation did not provide a result for the specified snapshot.

Operator response

The occurrence of this error message indicates that an internal error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are at the same version level.

FMM18033E: The storage device adapter did not accept the provided target set.

Explanation

The storage device adapter must explicitly accept the target set that is provided by IBM Storage Protect Snapshot. Target set definitions might not be supported or do not apply to this kind of storage device adapter.

Operator response

Verify the installation and configuration of the storage device adapter. Ensure that the adapter supports the target set definitions and is compatible with the version of IBM Storage Protect Snapshot that you are using. If the storage device adapter does not support target sets, verify that no target set is specified in the IBM Storage Protect Snapshot profile.

FMM18034E: The storage device adapter implementation requires a newer version of the device agent API (*expectedVersion* > *actualVersion*).

Explanation

The storage adapter implementation was developed with a newer version of the device agent API than the one that is installed. Since this combination is potentially incompatible, processing cannot continue.

Operator response

The storage adapter was deployed to an old version of IBM Storage Protect Snapshot. Exchange the storage adapter with an older version that is compatible with your IBM Storage Protect Snapshot version or upgrade to the latest version of IBM Storage Protect Snapshot.

FMM18035E: The storage device adapter implementation expects an invalid version of the device agent API: *version*.

Explanation

The storage adapter implementation expects a version of the device agent API that is not valid or no version information is provided.

Operator response

This error indicates an issue with the storage adapter. Contact the storage adapter vendor.

FMM18036E: The device agent API version is not valid: *version*.

Explanation

The device agent API reports a version that is not valid or is unknown.

Operator response

This error message indicates that an error occurred. This error might be caused by an installation of IBM Storage Protect Snapshot that installed with errors or a recent product update that was interrupted during the installation. Reinstall the product to ensure that all of its components are installed properly.

FMM18100I: Running the following cleanup command: *encrypted_cmd*

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System tries to revert any changes in the IBM XIV Storage System when it is not able to complete a function.

Operator response

Check for previous errors that caused this problem.

FMM18101E: The takeover host *hostname* parameter must be specified in the device section of the profile when you restore a remote snapshot on an IBM XIV Storage System.

Explanation

IBM Storage Protect Snapshot requires a takeover host on the remote site to be able to restore and mount a snapshot that is taken on the remote site.

Operator response

The takeover host on the remote site plays the role of the production host in a disaster recovery scenario. You must configure IBM Storage Protect Snapshot on this host before you start a restore.

FMM18102E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to map the *vol_name* volume to the *host_name* host using the *lun_id* logical unit number (LUN) identifier. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation

IBM Storage Protect Snapshot cannot execute the XCLI command to map the volume to the specified host.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18103E: The XIV device adapter was not able to collect the information for the *cg_name* consistency group. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation

IBM Storage Protect Snapshot detected that the volumes involved are part of a consistency group but cannot retrieve information about this consistency group.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18104E: IBM Storage Protect Snapshot adapter for the XIV Storage System cannot evaluate the result of the following command: *encrypted_cmd*. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

The XIV storage adapter cannot parse the xml output from the XIV command-line interface command.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18105I: Waiting for the *sg_name* snapshot group to be synchronized to the remote site. Trying every *number_of_seconds* seconds until the remote snapshot is created or the timeout threshold is reached.

Explanation

After the remote snapshot backup, IBM Storage Protect Snapshot adapter for the XIV Storage System issues the disband command for the remote snapshot group. This command is executed when the local snapshot is synchronized to the remote site and the snapshot group is created.

Operator response

No action is required.

FMM18106E: The snapshot item unique identifier is missing.

Explanation

During the partition phase, the XIV storage adapter assigns an identifier to each snapshot item. However, before the backup process starts, one item was found without an identifier.

Operator response

Verify the configuration of the IBM Storage Protect Snapshot adapter for the XIV Storage System.

FMM18107E: The *xcli_cmd* XCLI command ends with the *return_code* return code.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System cannot execute this command.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), execute a similar command to identify the problem.

FMM18108E: The *xcli_cmd* XCLI command ends with the *return_code* return code. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System cannot execute this command.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), execute a similar command to identify the problem.

FMM18110E: The snapshot *SnapshotName* was not found.

Explanation

The restore operation was not successful because the snapshot does not exist on the storage system.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), check that the snapshot exists on the volumes that you are trying to restore. Compare the snapshot backups listed after you run a IBM Storage Protect Snapshot inquire command with the snapshots found on the storage system. Check the monitoring log (monitor.log) file in the ACS_DIR/logs directory to verify that IBM Storage Protect Snapshot reconciliation process was started.

FMM18111E: The current version *version* of the command-line interface (XCLI) is not supported. The versions that are supported are in the range from *minimum_version* to *maximum_version*.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System works with the specific versions that are listed.

Operator response

Install a compatible XCLI version.

FMM18117E: The restore operation was not successful because the *snapshot_name* snapshot name was modified.

Explanation

When IBM Storage Protect Snapshot is configured to create a read-only snapshot, it is required that the snapshots on the IBM XIV Storage System are locked and therefore cannot be modified. A read-only snapshot is created when the USE_WRITABLE_SNAPSHOTS parameter has a value equal to No in the IBM Storage Protect Snapshot profile configuration file.

Operator response

Avoid restoring snapshots that are created by IBM Storage Protect Snapshot and that are reused later by other applications. Select another snapshot backup for the restore operation.

FMM18120E: The *cg_name* consistency group is not mirrored.

Explanation

For IBM XIV remote mirroring the volumes of the application must be grouped in a mirrored consistency group.

Operator response

Using the IBM XIV storage Management GUI or the command-line interface (XCLI), create a mirror relationship. This relationship is between the volumes that are part of the consistency group on both the local and the remote site.

FMM18121E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to unmap the *vol_name* volume from the *host_name* host. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation

IBM Storage Protect Snapshot cannot execute the XCLI command to unmap the volume from the host.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18122E: There are insufficient free LUNs found to map the volumes to the *host_name* host. The following is the number of free LUNs that are available: *free_luns_avail* but *free_luns_required* is the number of free LUNs required.

Explanation

IBM Storage Protect Snapshot was unable to determine sufficient free LUN identifiers on the XIV Storage System to map the volumes to the host.

Operator response

Check that the maximum number of LUNs mapped per host that is allowed by the XIV Storage System is not exceeded.

FMM18123E: The mirror type *mirror_type* of the consistency group *cg_name* is not supported.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System does not support the mirror type that was detected for this consistency group. The following values are accepted by IBM Storage Protect Snapshot: *sync_best_effort* for remote synchronous mirroring and *async_interval* for remote asynchronous mirroring.

Operator response

Verify that the correct mirror type is used.

FMM18126E: The *filename* XCLI executable file cannot be found in the path that is specified or it is not an executable file.

Explanation

The XCLI executable file cannot be found because one of the following conditions exist: The XCLI executable file cannot be found in the location that is specified by the XCLI_PATH profile parameter. The application user does not have the permission to execute this file. The size of the file is zero. As a consequence, no commands can be executed on the storage device.

Operator response

Verify that the path of the command-line interface XCLI as specified in the XCLI_PATH profile parameter is correct. Ensure that the IBM XIV Storage Management tools are installed on the host system and that the application user has the correct access privileges.

FMM18127E: The *host_name* host name is not defined on the IBM XIV Storage System.

Explanation

The IBM XIV Storage System was requested to mount a snapshot or volume on a host that it cannot identify.

Operator response

Verify that the BACKUP_HOST_NAME parameter is defined in the IBM Storage Protect Snapshot profile. If applicable, verify that the TAKEOVER_HOST_NAME parameter is defined in the profile. Ensure that the hosts as defined by these parameters are named exactly as defined on the XIV Storage System.

FMM18128I: The rollback to an earlier state is completed.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System is finished undoing the changes on the IBM XIV Storage System after the adapter fails to complete a function.

Operator response

No action required.

FMM18131E: The snapshot restore was not successful because the snapshot named *ParameterName0* is not locked.

Explanation

When IBM Storage Protect Snapshot is configured to create a read-only snapshot, it is required that these snapshots on the XIV Storage System are locked. Therefore, they cannot be modified. A read-only snapshot is created when the parameter USE_WRITABLE_SNAPSHOTS has a value equal to No in the IBM Storage Protect Snapshot profile configuration file.

Operator response

Avoid restoring snapshots that are created by IBM Storage Protect Snapshot and that are later reused by other applications. Select another snapshot backup for the restore operation.

FMM18136E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to retrieve the host mapping for the *vol_name* volume.

Explanation

IBM Storage Protect Snapshot cannot execute the XCLI command to get the host mapping for the specific volume.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18137E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to add the *vol_name* volume to the *cg_name* consistency group . The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation

The XCLI command to add a volume to the consistency group failed.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18140E: The unmount function cannot find the *property_name* property.

Explanation

The specified property is mandatory for the execution of the unmount function. If it is missing, this message might indicate that there is a protocol issue between IBM Storage Protect Snapshot and the XIV storage device adapter.

Operator response

Verify your product installation. Ensure that the version of the XIV storage device adapter is compatible with the version of IBM Storage Protect Snapshot.

FMM18141E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to remove the *dup_snap_name* duplicate snapshot. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

During the unmount process, the adapter tries to remove the duplicate snapshots that were created during the mount process. The XCLI command sent to the XIV Storage System failed.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18143E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to create the snapshot for the *cg_name* consistency group. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

The XCLI command to create the snapshot failed.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18144E: IBM Storage Protect Snapshot adapter for the XIV Storage System failed to duplicate the *snap_name* snapshot. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

The XCLI command to duplicate the snapshot failed.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18145E: The *cg_name1* consistency group name differs from the *cg_name2* consistency group name on the *vol_name* XIV volume.

Explanation

IBM Storage Protect Snapshot requires that all volumes that are part of the snapshot backup must belong to the same consistency group.

Operator response

Ensure that all the volumes of the application are in one unique and dedicated consistency group for this application instance.

FMM18146I: Creating Snapshot for consistency group *cgname* ...

Explanation

IBM Storage Protect Snapshot is creating an XIV snapshot for all the volumes contained in the consistency group.

Operator response

No action required.

FMM18147I: Snapshot successful.

Explanation

IBM Storage Protect Snapshot has successfully created the Snapshot for all the XIV volumes included in the consistency group.

Operator response

No action required.

FMM18148E: The *key* parameter is not present in the profile.

Explanation

The specified parameter is missing in the profile configuration or has no value assigned.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete.

FMM18151I: The remote mirror relationships for the *consistency_group* consistency group will be deleted.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System deactivates and removes the remote mirror relationships if they exist during a snapshot restore.

Operator response

No action required.

FMM18152E: The snapshot name to be deleted is missing.

Explanation

The snapshot name is required for the delete function.

Operator response

Use the inquire command of IBM Storage Protect Snapshot to obtain a list of existing snapshots.

FMM18154E: The *pool_name1* XIV storage pool name differs from the *pool_name2* storage pool name on the *vol_name* XIV volume.

Explanation

IBM Storage Protect Snapshot requires that all volumes of the application must belong to the same volume pool.

Operator response

Ensure that all volumes of the application that are part of the snapshot backup process are in the same XIV storage pool.

FMM18156E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to remove the *vol_name* volume from the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

The adapter was not able to remove one volume from the consistency group.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18157E: A snapshot or a volume with the *ParameterName0* name already exists.

Explanation

The name of the snapshot must be unique to snapshot and volume names. IBM XIV Storage system, handles snapshots in the same manner as volumes.

Operator response

Rerun the backup.

FMM18158E: IBM Storage Protect Snapshot adapter for the XIV Storage System was not able to disband the *sg_name* snapshot group . The following error was generated by the IBM XIV Storage System: *ParameterName1*

Explanation

After the snapshot backup, IBM Storage Protect Snapshot issues the XCLI disband command for the snapshot group. This command was not successful.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem. If the XIV error status is SnapshotGroupBadName, it can indicate that the storage snapshot size configured for the storage pool is not large enough.

FMM18159I: Starting the rollback to an earlier state.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System, reverses any changes that were made and that are not completed successfully.

Operator response

No action is required.

FMM18161E: IBM Storage Protect Snapshot adapter for the XIV Storage System, was not able to delete the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

After the snapshot backup, the consistency group that is created for the snapshot backup must be deleted. This command was not successful because of an error. Note: When a consistency group that contains volumes to be processed already exists, then it is not deleted after the snapshot backup.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18163E: IBM Storage Protect Snapshot adapter for the XIV Storage System, was not able to rename the *old_snap_name* snapshot with the new *new_snap_name* snapshot name. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation

After the snapshot backup, the snapshots are disbanded from the consistency group into dedicated snapshots. These snapshot are then renamed by using a specific convention. The XCLI command to rename the snapshot failed.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18164E: IBM Storage Protect Snapshot adapter for the IBM XIV Storage System was not able to create the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System failed when using the XCLI command to create the consistency group.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18165I: The XIV volume with the *ser_no* serial number is not found in the *copyserver_servername* IBM XIV Storage system.

Explanation

IBM Storage Protect Snapshot adapter for the XIV storage looks for the volumes in the storage system that is identified by the value of the COPYSERVICE_SERVERNAME parameter. This parameter is defined in IBM Storage Protect Snapshot profile configuration file.

Operator response

Verify that the XIV Storage System server name is correctly defined in the profile and that it identifies the storage system where the data to protect is located. Using the IBM XIV Storage Management GUI or command-line interface (XCLI), verify that the volume exists.

FMM18170E: The *cg_name* consistency group is not synchronized.

Explanation

Using XIV synchronous remote mirroring requires that the consistency group must be in a synchronized state before starting a snapshot backup.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), start the synchronization for all the remote mirroring relationships in the volumes that are part of the consistency group.

FMM18171E: The *cg_name* consistency group is not operational or is inactive.

Explanation

Using XIV Asynchronous Remote Mirroring requires that the consistency group is operational and active.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), verify that the mirror relationship between the volumes that are part of the consistency group are operational and active.

FMM18173E: The current version *current_version* of the XIV Storage System is not supported. The versions that are supported are in the range from *minimum_version* to *maximum_version*.

Explanation

IBM Storage Protect Snapshot adapter for the XIV Storage System works with the specific versions that are listed.

Operator response

Use an XIV Storage System with a compatible software version.

FMM18174E: IBM Storage Protect Snapshot adapter for the XIV Storage System, was not able to retrieve the mapping list of LUNs for the *host_name* host. The following error message was generated by the XIV Storage System: *xiv_errmsg*.

Explanation

IBM Storage Protect Snapshot was unable to get the mapping list of LUNs for a specific host, when using the XCLI command.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18175E: IBM Storage Protect Snapshot adapter for the XIV Storage System, was not able to unlock *snapshot_name* snapshot. The following error message was generated by the XIV Storage System: *xiv_errmsg*.

Explanation

IBM Storage Protect Snapshot failed when using the IBM XIV command-line interface (XCLI) command to unlock the snapshot.

Operator response

Evaluate the IBM XIV Storage System specific error message to resolve the problem.

FMM18176I: The *snap_name* snapshot is not found in the IBM XIV Storage System.

Explanation

The mount process cannot continue as the snapshot was not found in the IBM XIV Storage System.

Operator response

Using the IBM XIV Storage Management GUI or command-line interface (XCLI), verify that the snapshot still exists on the storage system.

FMM18177W: The *volume_name* volume cannot be unmounted because the volume cannot be found in the IBM XIV Storage System.

Explanation

The storage device adapter cannot unmap the specified volume because it does not exist. This volume was possibly deleted from the storage system externally.

Operator response

The unmount operation skips the specified volume that cannot be found and continues to process the next volume if applicable. No further action is required.

FMM messages for IBM Storage® Protect Snapshot SVCDTA adapter

FMM messages in the range 19100-19299 are issued by IBM Storage® Protect Snapshot components that use the SVCDTA adapter.

IBM Storage® Protect Snapshot messages that concern the SVCDTA adapter are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and operator response.

FMM19100I: Running the following cleanup command: *encrypted_cmd*

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System tries to revert any changes in the IBM SVC Storage System when it is not able to complete a function.

Operator response

Check for previous errors that caused this problem.

FMM19101E: The takeover host *hostname* parameter must be specified in the device section of the profile when you restore a remote snapshot on an IBM SVC Storage System.

Explanation

IBM Storage Protect Snapshot requires a takeover host on the remote site to be able to restore and mount a snapshot that is taken on the remote site.

Operator response

The takeover host on the remote site plays the role of the production host in a disaster recovery scenario. You must configure IBM Storage Protect Snapshot on this host before you start a restore.

FMM19102E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to map the *vol_name* volume to the *host_name* host. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*.

Explanation

IBM Storage Protect Snapshot cannot execute the SVC CLI command to map the volume to the specified host.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19103E: The SVC device adapter was not able to collect the information for the *cg_name* consistency group. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*.

Explanation

IBM Storage Protect Snapshot detected that the volumes involved are part of a consistency group but cannot retrieve information about this consistency group.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19104E: IBM Storage Protect Snapshot adapter for the SVC Storage System cannot evaluate the result of the following command: *encrypted_cmd*. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

The SVC storage adapter cannot parse the output from the SVC command-line interface command.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19105I: Waiting for the *sg_name* snapshot group to be synchronized to the remote site. Trying every *number_of_seconds* seconds until the remote snapshot is created or the timeout threshold is reached.

Explanation

After the remote snapshot backup, IBM Storage Protect Snapshot adapter for the SVC Storage System issues the disband command for the remote snapshot group. This command is executed when the local snapshot is synchronized to the remote site and the snapshot group is created.

Operator response

No action is required.

FMM19106E: The snapshot item unique identifier is missing.

Explanation

During the partition phase, the SVC storage adapter assigns an identifier to each snapshot item. However, before the backup process starts, one item was found without an identifier.

Operator response

Verify the configuration of the IBM Storage Protect Snapshot adapter for the SVC Storage System.

FMM19107E: The *cli_cmd* SVC CLI command ends with the *return_code* return code.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System cannot execute this command.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), execute a similar command to identify the problem.

FMM19108E: The *cli_cmd* SVC CLI command ends with the *return_code* return code. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System cannot execute this command.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), execute a similar command to identify the problem.

FMM19109I: Connected to SAN Volume Controller system *svc_sys* by using code level *code_level*.

Explanation

IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System is connected to the specified SVC system by using the specific code level.

Operator response

No action required.

FMM19110E: The FlashCopy target volume *SnapshotName* was not found.

Explanation

The restore operation was not successful because the FlashCopy target volume that contains the snapshot was not found on the storage system.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), check that the FlashCopy target volume exists. Compare the FlashCopy backups listed after you run a IBM Storage Protect Snapshot inquire command with the FlashCopy target volumes found on the storage system. Check the monitoring log (monitor.log) file in the ACS_DIR/logs directory to verify that the IBM Storage Protect Snapshot reconciliation process was started.

FMM19111E: The current version *version* of the command-line interface (SVC CLI) is not supported. The versions that are supported are in the range from *minimum_version* to *maximum_version*.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System works with the specific versions that are listed.

Operator response

Install a compatible SVC CLI version.

FMM19112E: The FlashCopy target volume *SnapshotName* was not found.

Explanation

The mount operation was not successful because the FlashCopy target volume that contains the snapshot was not found on the storage system.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), check that the FlashCopy target volume exists. Compare the FlashCopy backups listed after you run a IBM Storage Protect Snapshot inquire command with the FlashCopy target volumes found on the storage system. Check the monitoring log (monitor.log) file in the ACS_DIR/logs directory to verify that the IBM Storage Protect Snapshot reconciliation process was started.

FMM19117E: The restore operation was not successful because the *snapshot_name* snapshot name was modified.

Explanation

When IBM Storage Protect Snapshot is configured to create a read-only snapshot, it is required that the snapshots on the IBM SVC Storage System are locked and therefore cannot be modified. A read-only snapshot is created when the USE_WRITABLE_SNAPSHOTS parameter has a value equal to No in the IBM Storage Protect Snapshot profile configuration file.

Operator response

Avoid restoring snapshots that are created by IBM Storage Protect Snapshot and that are reused later by other applications. Select another snapshot backup for the restore operation.

FMM19118E: The storage pool *pool_name* does not exist on the storage device *storage_device*.

Explanation

The storage pool as specified in the IBM Storage Protect Snapshot profile cannot be found on the storage device.

Operator response

Review the IBM Storage Protect Snapshot profile and ensure that the parameter SVC_POOLNAME refers to an existing storage pool on the storage device.

FMM19119E: The storage pool *pool_name* does not exist on the storage device *storage_device*.

Explanation

The storage pool as specified in the IBM Storage Protect Snapshot profile cannot be found on the storage device.

Operator response

Review the IBM Storage Protect Snapshot profile and ensure that the parameter SVC_MOUNT_POOLNAME refers to an existing storage pool on the storage device.

FMM19120E: The *cg_name* consistency group is not mirrored.

Explanation

For IBM SVC remote mirroring the volumes of the application must be grouped in a mirrored consistency group.

Operator response

Using the IBM SVC storage Management GUI or the command-line interface (SVC CLI), create a mirror relationship. This relationship is between the volumes that are part of the consistency group on both the local and the remote site.

FMM19121E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to unmap the *vol_name* volume from the *host_name* host. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*.

Explanation

IBM Storage Protect Snapshot cannot execute the SVC CLI command to unmap the volume from the host.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19122E: There are insufficient free LUNs found to map the volumes to the *host_name* host. The following is the number of free LUNs that are available: *free_luns_avail* but *free_luns_required* is the number of free LUNs required.

Explanation

IBM Storage Protect Snapshot was unable to determine sufficient free LUN identifiers on the SVC Storage System to map the volumes to the host.

Operator response

Check that the maximum number of LUNs mapped per host that is allowed by the SVC Storage System is not exceeded.

FMM19123E: The mirror type *mirror_type* of the consistency group *cg_name* is not supported.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System does not support the mirror type that was detected for this consistency group. The following values are accepted by IBM Storage Protect Snapshot: *sync_best_effort* for remote synchronous mirroring and *async_interval* for remote asynchronous mirroring.

Operator response

Verify that the correct mirror type is used.

FMM19124E: A storage pool value must be assigned to the SVC_POOLNAME parameter, as the source volume *src_name* has several copies using different storage pools in the same SAN Volume Controller system *storage_device*.

Explanation

The storage pool property of the source volume cannot be used to create the target volume for the FlashCopy backup because it has a string value of 'many'. That property value is assigned by SVC when the volume has several copies in the same SAN Volume Controller system and each copy is allocated in different storage pools.

Operator response

Review the IBM Storage Protect Snapshot profile and ensure that the parameter SVC_POOLNAME has a value of one of the existing storage pool on the SAN Volume Controller system.

FMM19126E: The *filename* SVC CLI executable file cannot be found in the path that is specified or it is not an executable file.

Explanation

The SVC CLI executable file cannot be found because one of the following conditions exist: The SVC CLI executable file cannot be found in the location that is specified by the SSH_DIR profile parameter. The application user does not have the permission to execute this file. The size of the file is zero. As a consequence, no commands can be executed on the storage device.

Operator response

Verify that the path of the command-line interface SVC CLI as specified in the SSH_DIR profile parameter is correct. Ensure that the IBM SVC Storage Management tools are installed on the host system and that the application user has the correct access privileges.

FMM19127E: The *host_name* host name is not defined on the IBM SVC Storage System.

Explanation

The IBM SVC Storage System was requested to mount a snapshot or volume on a host that it cannot identify.

Operator response

Verify that the BACKUP_HOST_NAME parameter is defined in the IBM Storage Protect Snapshot profile. If applicable, verify that the TAKEOVER_HOST_NAME parameter is defined in the profile. Ensure that the hosts as defined by these parameters are named exactly as defined on the SVC Storage System.

FMM19128I: The rollback to an earlier state is completed.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System is finished undoing the changes on the IBM SVC Storage System after the adapter fails to complete a function.

Operator response

No action required.

FMM19131E: The snapshot restore was not successful because the snapshot named *ParameterName0* is not locked.

Explanation

When IBM Storage Protect Snapshot is configured to create a read-only snapshot, it is required that these snapshots on the SVC Storage System are locked. Therefore, they cannot be modified. A read-only snapshot is created when the parameter USE_WRITABLE_SNAPSHOTS has a value equal to No in the IBM Storage Protect Snapshot profile configuration file.

Operator response

Avoid restoring snapshots that are created by IBM Storage Protect Snapshot and that are later reused by other applications. Select another snapshot backup for the restore operation.

FMM19133W: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to monitor the background copy of the *snap_name* snapshot because of the missing initialization data in the internal FCM repository.

Explanation

IBM Storage Protect Snapshot cannot get information of the background copy of this FlashCopy relationship because of the missing information in the internal FCM repository. After a second try of the Monitor function, FCM should be able to synchronize that information from storage systems.

Operator response

No action required.

FMM19136E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to retrieve the host mapping for the *vol_name* volume.

Explanation

IBM Storage Protect Snapshot cannot execute the SVC CLI command to get the host mapping for the specific volume.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19137E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to add the *vol_name* volume to the *cg_name* consistency group . The following error message was generated by the IBM SVC Storage System: *svc_errmsg*.

Explanation

The SVC CLI command to add a volume to the consistency group failed.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19140E: The unmount function cannot find the *property_name* property.

Explanation

The specified property is mandatory for the execution of the unmount function. If it is missing, this message might indicate that there is a protocol issue between IBM Storage Protect Snapshot and the SVC storage device adapter.

Operator response

Verify your product installation. Ensure that the version of the SVC storage device adapter is compatible with the version of IBM Storage Protect Snapshot.

FMM19141E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to remove the *dup_snap_name* duplicate snapshot. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

During the unmount process, the adapter tries to remove the duplicate snapshots that were created during the mount process. The SVC CLI command sent to the SVC Storage System failed.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19143E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to create the snapshot for the *cg_name* consistency group. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

The SVC CLI command to create the snapshot failed.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19144E: IBM Storage Protect Snapshot adapter for the SVC Storage System failed to duplicate the *snap_name* snapshot. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

The SVC CLI command to duplicate the snapshot failed.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19145E: The *cg_name1* consistency group name differs from the *cg_name2* consistency group name on the *vol_name* SVC volume.

Explanation

IBM Storage Protect Snapshot requires that all volumes that are part of the snapshot backup must belong to the same consistency group.

Operator response

Ensure that all the volumes of the application are in one unique and dedicated consistency group for this application instance.

FMM19146I: Starting *fctype* FlashCopy for consistency group *cgroup* ...

Explanation

IBM Storage Protect Snapshot has initialized the FlashCopy process between the source and the target volumes included in the consistency group.

Operator response

No action required.

FMM19147I: FlashCopy successful.

Explanation

IBM Storage Protect Snapshot has successfully started the FlashCopy process between the source and the target volumes included in the consistency group.

Operator response

No action required.

FMM19148E: The *key* parameter is not present in the profile.

Explanation

The specified parameter is missing in the profile configuration or has no value assigned.

Operator response

Rerun the setup routines and the IBM Storage Protect Snapshot profile configuration wizard to ensure that the profile is consistent and complete.

FMM19152E: The snapshot name to be deleted is missing.

Explanation

The snapshot name is required for the delete function.

Operator response

Use the inquire command of IBM Storage Protect Snapshot to obtain a list of existing snapshots.

FMM19154E: The *pool_name1* SVC storage pool name differs from the *pool_name2* storage pool name on the *vol_name* SVC volume.

Explanation

IBM Storage Protect Snapshot requires that all volumes of the application must belong to the same volume pool.

Operator response

Ensure that all volumes of the application that are part of the snapshot backup process are in the same SVC storage pool.

FMM19155E: The SSH private key file cannot be found at the specified path: *keyfile_path*.

Explanation

The SVCDTA storage adapter requires a local private key file to communicate with the SVC Storage System via SSH.

Operator response

Consult the User's Manual, which describes the procedure to create or import the necessary key files.

FMM19156E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to remove the *vol_name* volume from the *cg_name* consistency group. The following error was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

The adapter was not able to remove one volume from the consistency group.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19157E: A snapshot or a volume with the *ParameterName0* name already exists.

Explanation

The name of the snapshot must be unique to snapshot and volume names. IBM SVC Storage system, handles snapshots in the same manner as volumes.

Operator response

Rerun the backup.

FMM19158E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to disband the *sg_name* snapshot group . The

following error was generated by the IBM SVC Storage System:
ParameterName1

Explanation

After the snapshot backup, IBM Storage Protect Snapshot issues the SVC CLI disband command for the snapshot group. This command was not successful.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem. If the SVC error status is SnapshotGroupBadName, it can indicate that the storage snapshot size configured for the storage pool is not large enough.

FMM19159I: Starting the rollback to an earlier state.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System, reverses any changes that were made and that are not completed successfully.

Operator response

No action is required.

FMM19161E: IBM Storage Protect Snapshot adapter for the SVC Storage System, was not able to delete the *cg_name* consistency group. The following error was generated by the IBM SVC Storage System:
svc_errmsg

Explanation

After the snapshot backup, the consistency group that is created for the snapshot backup must be deleted. This command was not successful because of an error. Note: When a consistency group that contains volumes to be processed already exists, then it is not deleted after the snapshot backup.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19162E: A FlashCopy map of type *flashcopy_type* for the source volume *scr_name* and target volume *tgt_name* was not found in the SAN Volume Controller system *device*.

Explanation

The IBM Storage Protect Snapshot restore function requires the FlashCopy maps that were created during the back up to still exist in order to start a restore.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify the status of the backup target volumes and its FlashCopy maps on the IBM SAN volume Controller.

FMM19163E: IBM Storage Protect Snapshot adapter for the SVC Storage System, was not able to rename the *old_snap_name* snapshot with the new *new_snap_name* snapshot name. The following error was generated by the IBM SVC Storage System: *svc_errmsg*.

Explanation

After the snapshot backup, the snapshots are disbanded from the consistency group into dedicated snapshots. These snapshot are then renamed by using a specific convention. The SVC CLI command to rename the snapshot failed.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19164E: IBM Storage Protect Snapshot adapter for the IBM SVC Storage System was not able to create the *cg_name* consistency group. The following error was generated by the IBM SVC Storage System: *svc_errmsg*

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System failed when using the SVC CLI command to create the consistency group.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19165I: The SVC volume with the *ser_no* serial number is not found in the *copyserver_servername* IBM SVC Storage system.

Explanation

IBM Storage Protect Snapshot adapter for the SVC storage looks for the volumes in the storage system that is identified by the value of the COPYSERVICE_SERVERNAME parameter. This parameter is defined in IBM Storage Protect Snapshot profile configuration file.

Operator response

Verify that the SVC Storage System server name is correctly defined in the profile and that it identifies the storage system where the data to protect is located. Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify that the volume exists.

FMM19166W: The consistency group *cg_name* was not found in the *copyserver_servername* IBM SAN Volume Controller or Storwize family storage system.

Explanation

IBM Storage Protect Snapshot adapter uses the capability of consistency groups of the IBM SAN Volume Controller and Storwize family to group the source volumes of an application and to create consistent snapshots

of the data of these volumes. The consistency group was not found during an operation, however this did not stop the processing.

Operator response

None.

FMM19167W: The *cli_cmd* SVC CLI command ends with the *return_code* return code. The following error message was generated by the IBM SVC Storage System: *svc_errmsg*. IBM Storage Protect Snapshot ranks this message as a warning message and continues processing.

Explanation

The IBM Storage Protect Snapshot adapter for the SVC Storage System can continue the operation even if an unexpected storage state was found.

Operator response

None.

FMM19168E: The state *rccg_state* of the Global Mirror consistency group *rccg_name* is not valid for a consistent FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot requires the Global Mirror consistency group to be either in state consistent synchronized or in state consistent copying.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. The consistency group that contains the Global Mirror relationships, between the source and target volumes, must be started before the remote FlashCopy backup begins. In addition, the Global Mirror consistency group must be in a consistent state, synchronized or copying.

FMM19169E: The status (*status*) of FlashCopy map *fcmap_name* is not valid to perform a restore.

Explanation

The IBM Storage Protect Snapshot restore function requires the FlashCopy maps to have an Idle_Or_Copied or Copying status in order to be valid for restore.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify the status of the FlashCopy map on the IBM SAN volume Controller.

FMM19170E: The *cg_name* consistency group is not synchronized.

Explanation

Using SVC synchronous remote mirroring requires that the consistency group must be in a synchronized state before starting a snapshot backup.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), start the synchronization for all the remote mirroring relationships in the volumes that are part of the consistency group.

FMM19171E: The *cg_name* consistency group is not operational or is inactive.

Explanation

Using SVC Asynchronous Remote Mirroring requires that the consistency group is operational and active.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify that the mirror relationship between the volumes that are part of the consistency group are operational and active.

FMM19172E: The FlashCopy target volume *target_name* is offline.

Explanation

To start a restore operation, IBM Storage Protect Snapshot requires the FlashCopy target volumes to have a status of 'online'. The degraded status is also tolerated.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify the status of the FlashCopy target volumes.

FMM19173E: The current version *current_version* of the SVC Storage System is not supported. The versions that are supported are in the range from *minimum_version* to *maximum_version*.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System works with the specific versions that are listed.

Operator response

Use an SVC Storage System with a compatible software version.

FMM19174E: IBM Storage Protect Snapshot adapter for the SVC Storage System, was not able to retrieve the mapping list of LUNs for the *host_name* host. The following error message was generated by the SVC Storage System: *svc_errmsg*.

Explanation

IBM Storage Protect Snapshot was unable to get the mapping list of LUNs for a specific host, when using the SVC CLI command.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19175E: IBM Storage Protect Snapshot adapter for the SVC Storage System, was not able to unlock *snapshot_name* snapshot. The following error message was generated by the SVC Storage System: *svc_errmsg*.

Explanation

IBM Storage Protect Snapshot failed when using the IBM SVC command-line interface (SVC CLI) command to unlock the snapshot.

Operator response

Evaluate the IBM SVC Storage System specific error message to resolve the problem.

FMM19176I: The *snap_name* snapshot is not found in the IBM SVC Storage System.

Explanation

The mount process cannot continue as the snapshot was not found in the IBM SVC Storage System.

Operator response

Using the IBM SVC Storage Management GUI or command-line interface (SVC CLI), verify that the snapshot still exists on the storage system.

FMM19177W: The *volume_name* volume cannot be unmounted because the volume cannot be found in the IBM SVC Storage System.

Explanation

The storage device adapter cannot unmap the specified volume because it does not exist. This volume was possibly deleted from the storage system externally.

Operator response

The unmount operation skips the specified volume that cannot be found and continues to process the next volume if applicable. No further action is required.

FMM19178W: The *volume_name* volume cannot be unmounted because it is not mapped to the *host_name* host.

Explanation

The storage device adapter cannot disassociate the specified volume because it is not mapped to the host that is indicated in the message. The volume mapping was possibly removed externally on the storage system.

Operator response

The operation omits the specified host and continues to process the next volume if applicable. No further action is required.

FMM19179E: IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System was not able to create the *vol_name* volume in the *pool_name* storage pool. The real size of the volume exceeds the available space in this pool by *missing_capacity* MB.

Explanation

The SVC CLI command to create a volume in the storage pool failed due to the real volume size that was requested.

Operator response

Using the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI), expand the free capacity on the requested storage pool. Alternatively, reduce the value for the SVC_TARGET_VOLUME_REAL_SIZE percentage attribute in the IBM Storage Protect Snapshot profile configuration file. This will reduce the requested real volume size.

FMM19180E: IBM Storage Protect Snapshot adapter for the the SAN Volume Controller Storage System was not able to create the *vol_name* volume in the *pool_name* storage pool.

Explanation

The SVC CLI command to create a volume in the storage pool failed.

Operator response

Evaluate the IBM SAN Volume Controller Storage System specific error message to resolve the problem.

FMM19181I: IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System was not able to execute an SVC CLI command because of too many concurrent SSH sessions. The adapter is now attempting the *cli_cmd* command again.

Explanation

Each SVC CLI command that failed because of too many concurrent SSH sessions will be retried 10 times, with a waiting time of 3 seconds between each attempt.

Operator response

No further action is required.

FMM19182E: IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System was not able to restore the snapshot because there is *missing_capacity* MB of free space required in the *pool_name* storage pool.

Explanation

The SVC CLI command for a restore failed due to not enough free capacity in the target storage pool.

Operator response

Using the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI), increase the available space on the requested storage pool. Alternatively, free up the missing capacity in the storage pool.

FMM19183E: IBM Storage Protect Snapshot adapter for the SAN Volume Controller storage system was not able to restore the snapshot because there is another restore operation in progress for source volume *src_volume*. The *fc_map* FlashCopy map was found on the storage system.

Explanation

The SVC CLI command for a restore failed due to an active FlashCopy Map for the same source volume.

Operator response

Using the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI), check whether the FlashCopy Map is still there. If not, retry the restore operation.

FMM19184E: The following source volumes are either not in a remote mirror relationship or are not the master volumes: *src_volume_list*.

Explanation

IBM Storage Protect Snapshot adapter for the SVC Storage System is configured to take the FlashCopy backup from the remote cluster. However, the volumes that are listed in this message are not in a remote mirror relationship or they are not the master volumes in a relation.

Operator response

For the source volumes identified in the message, use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to place the volumes in a remote mirror relationship or define the source volumes as the master volumes.

FMM19185E: The master volumes of the remote copy relationships are in multiple remote consistency groups (*consistgrp1* versus *consistgrp2*).

Explanation

The remote FlashCopy backup cannot start when the remote copy relationships are in multiple remote consistency groups.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Place the remote mirror relationships of the specific application instance involved in the backup operation in the same remote consistency group.

FMM19186E: The following remote mirror relationships are not assigned to a consistency group: *list_of_rc_rels*.

Explanation

IBM Storage Protect Snapshot is configured to take the FlashCopy backup from the remote cluster. However, the remote mirror relationships that are listed in this message are not assigned to a consistency group.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Add the remote mirror relationships that are identified in this message to the one unique consistency group that contains all the remote relationships.

FMM19187E: The state *rccg_state* of the Metro Mirror consistency group *rccg_name* is not valid for a consistent FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot requires the Metro Mirror consistency group to be in a consistent synchronized state.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. The consistency group that contains the Metro Mirror relationships, between the source and target volumes, must be started before the remote FlashCopy backup begins. In addition, the Metro Mirror consistency group must be in a consistent synchronized state.

FMM19188E: The target volumes of the following remote mirror relationships are not in the target SAN Volume Controller system *remote_svc_name: list_of_rc_rels*.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot requires the remote mirroring target volumes to be in the same SAN Volume Controller system.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Move the Metro Mirror or Global Mirror target volumes identified in this message to a unique target SAN Volume Controller system.

FMM19189E: The remote mirror relationship *rc_cg_name* is associated with the master cluster ID *master_cluster_id* and auxiliary cluster ID *auxiliary_cluster_id*. However, from your configuration the expected cluster IDs are *exp_cluster_id1* and *exp_cluster_id2*.

Explanation

Restoring a remote site snapshot backup assumes that the remote mirror relationship referring to the correct storage clusters as configured in the DEVICE_CLASS of the IBM Storage Protect Snapshot profile is correct. If a mismatch is detected, the operation is aborted to avoid potential data corruption.

Operator response

Verify the profile configuration as well as the referred remote relationship, and correct the discrepancy. Retry the operation.

FMM19190E: The attempt to restore a volume on the auxiliary site of an active remote mirror relationship is not allowed. The affected remote mirror consistency group is: *rc_cg_name*. The affected remote mirror relationship is: *rc_source_volume_colon_rc_target_volume*.

Explanation

IBM Storage Protect Snapshot prevents you from restoring a volume that represents the target volume of an active remote mirror relationship.

Operator response

If you intended to restore a volume on the auxiliary site of an active remote mirror relationship, you must first stop the relationship before attempting the restore operation.

FMM19191I: Stopping the remote mirror relationships for the consistency group: *rc_cg_name*.

Explanation

For a remote FlashCopy backup to be restored into the takeover host, IBM Storage Protect Snapshot must stop the remote mirror consistency groups. This operation stops the remote mirror relationships as well.

Operator response

No further action is required.

FMM19192E: The volumes of the remote copy relationships are in multiple remote consistency groups (*cosistgrp1* versus *consistgrp2*).

Explanation

The FlashCopy restore cannot start when the remote copy relationships are in multiple remote consistency groups.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Place the remote mirror relationships of the specific application instance involved in the restore operation in the same remote consistency group.

FMM19193E: The remote copy consistency group name is missing.

Explanation

During the partition phase of a remote copy backup operation, the SVC storage adapter figures out the name of the remote copy consistency group. Later in the flash phase, the adapter uses the name to inquire the state of the remote copy consistency group. However, before the FlashCopy process started, the name of the consistency group was found empty.

Operator response

Verify the configuration of the IBM Storage Protect Snapshot adapter for the SVC Storage System. Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to verify the storage configuration. Ensure that the remote mirror relationships of the specific application instance are all included in a dedicated remote copy consistency group.

FMM19194E: The copy type *rc_type* of the remote copy consistency group *rccg_name* is not valid for a remote FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot requires the copy type of the remote consistency group to be of type metro or global.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to verify the storage configuration.

FMM19195E: The cycling mode *cycling_mode* of the Global Mirror consistency group *rccg_name* is not valid for a remote FlashCopy backup.

Explanation

For a remote FlashCopy to be started, IBM Storage Protect Snapshot requires the use of the multi cycling mode if a Global Mirror consistency group is used.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to verify the storage configuration.

FMM19196E: The master volume *master_volname* of the remote mirror relationship does not have a change volume assigned.

Explanation

For a remote Global Mirror FlashCopy backup operation to be started, IBM Storage Protect Snapshot requires the remote mirroring master volumes to have a change volume assigned.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Assign a dedicated volume as the change volume of the master volume.

FMM19197E: The master volume *master_volname* of the remote mirror relationship has the *change_volname* change volume assigned, which does not exist.

Explanation

For a remote Global Mirror FlashCopy backup operation to be started, IBM Storage Protect Snapshot requires the remote mirroring master volumes to have a change volume assigned, which exists in the local SAN Volume Controller system.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Assign a dedicated volume as the change volume of the master volume.

FMM19198E: The auxiliary volume *aux_volname* of the remote mirror relationship does not have a change volume assigned.

Explanation

For a remote Global Mirror FlashCopy backup operation to be started, IBM Storage Protect Snapshot requires the remote mirroring auxiliary volumes to have a change volume assigned.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Assign a dedicated volume as the change volume of the auxiliary volume.

FMM19199E: The auxiliary volume *master_volname* of the remote mirror relationship has the *change_volname* change volume assigned, which does not exist.

Explanation

For a remote Global Mirror FlashCopy backup operation to be started, IBM Storage Protect Snapshot requires the remote mirroring auxiliary volumes to have a change volume assigned, which exists in the remote SAN Volume Controller system.

Operator response

Use the IBM SAN Volume Controller Storage Management GUI or command-line interface (SVC CLI) to fix the problem. Assign a dedicated volume as the change volume of the auxiliary volume.

FMM19200E: The VDISK copy for the volume *master_volname* has not been found.

Explanation

The volume must have at least one VDISK copy.

Operator response

Please contact your SVC administrator to fix the problem.

FMM19201E: The volume name has not been provided.

Explanation

The operation cannot be completed because the volume name is empty.

Operator response

Please contact IBM support for further investigation.

FMM19202E: IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System was not able to create the vdiskcopy in the *pool_name* storage pool for the *vol_name* volume.

Explanation

The SVC CLI command to create a vdiskcopy in the storage pool failed.

Operator response

Evaluate the IBM SAN Volume Controller Storage System specific error message to resolve the problem.

FMM19203E: The IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System was not able to get the storage mirror pool for the volume.

Explanation

An internal command to get the storage mirror pool failed.

Operator response

Please contact IBM Support for further investigation.

FMM19203W: The SVC CLI command: *SVCcommand* completed with a warning: *CapacityWarning*

Explanation

The SVC CLI command completed with a warning.

Operator response

Evaluate the IBM SAN Volume Controller Storage System specific message to resolve the warning.

FMM19204E: IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System detected that the *pool_name* storage pool and *io_group* ioGroup are on different sites.

Explanation

IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System could not continue the operation.

Operator response

The storage pool and ioGroup must be located on the same site.

FMM19205E: Incorrect storage configuration for HyperSwap operation. Not all source volumes are in a HyperSwap relationship.

Explanation

During the operation IBM Storage Protect Snapshot detects the existing HyperSwap relationships. The HyperSwap relationships are missing for some of the source volumes.

Operator response

Check the HyperSwap relationships for all disks that are part of the operation. They must be of copy_type 'activeactive'.

FMM19206I: Recreating the HyperSwap relationships.

Explanation

During the restore operation IBM Storage Protect Snapshot must stop and remove the HyperSwap relationships. This operation recreates the HyperSwap relationships during the restore operation.

Operator response

No further action is required.

FMM19207E: Not all volumes are on the same storage site.

Explanation

The IBM Storage Protect Snapshot should detect that all volumes are located on the same storage site. Otherwise it cannot continue the operation.

Operator response

All volumes must be located on the same storage site.

FMM19208E: Incorrect storage configuration for HyperSwap operation. Not all relationships have a valid copy_type and state.

Explanation

During the operation IBM Storage Protect Snapshot detects the existing HyperSwap relationships. The relationships are in an invalid state or type.

Operator response

Check the HyperSwap relationships for all disks that are part of the operation. They must be of copy_type 'activeactive' and in the state consistent_synchronized.

FMM19209W: The IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System created the script *script_path*

Explanation

The script contains the commands that will restore the HyperSwap relationships on the storage system.

Operator response

Execute the script manually.

FMM19210W: The IBM Storage Protect Snapshot adapter for the SAN Volume Controller Storage System could not create the script to restore HyperSwap relationships.

Explanation

During the restore operation IBM Storage Protect Snapshot should collect the existing HyperSwap relationships. Otherwise, it cannot generate the HyperSwap relationships restore script.

Operator response

Restore the HyperSwap relationships manually.

FMM19211E: IBM Storage Protect Snapshot adapter for the SVC Storage System was not able to retrieve the host mapping for the *vol_name* volume.

Explanation

IBM Storage Protect Snapshot adapter cannot find the host mapping for the specific volume.

Operator response

The volume must be mounted to the host where the restore operation is running.

FMM19212E: The IBM Storage Protect Snapshot adapter for the SVC Storage System does not support backup operations on the secondary site in HyperSwap systems.

Explanation

The IBM Storage Protect Snapshot adapter cannot continue the operation.

Operator response

The backup operation must be performed for the master site.

FMM19213E: The SVC_IIOGROUP or SVC_POOLNAME parameters are not specified or their values are empty in the profile. For operations in a HyperSwap system these parameters must be specified.

Explanation

The IBM Storage Protect Snapshot adapter cannot continue the operation because the SVC_IIOGROUP or SVC_POOLNAME parameters are not specified or their values are empty in the profile.

Operator response

The SVC_IOGROUP and SVC_POOLNAME parameters must be specified in the profile for HyperSwap operations.

FMF messages

Messages with prefix FMF are issued by the IBM Storage® Protect Snapshot for Windows™ Microsoft™ Management Console (MMC) Snap-in and Base System Services component. IBM Storage® Protect Snapshot FMF messages are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMF messages: An internal processing error has occurred.

FMF0003S: An internal processing error has occurred.

Explanation

An internal processing error has occurred.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMF0004E: An unknown error has been detected.

Explanation

An internal processing error has occurred that prevents the generation of a message for a return code.

System action

Processing continues.

User response

Retry the operation. If this error persists, contact your service representative.

FMF0005E: Out of memory. Stop other processes and try the operation again.

Explanation

The machine has run out of memory.

System action

Processing continues.

User response

Close unnecessary processes and try the operation again.

FMF0053E: License file (*licensefile*) could not be opened.

Explanation

An attempt to read from the license file failed.

System action

Processing ends.

User response

Install the product again. This ensures that the correct license file is installed.

FMF0054E: Read failure on license file (*licensefile*).

Explanation

An attempt was made to read from the license file. This attempt failed.

System action

Processing ends.

User response

Reinstall the product. This will ensure that the correct license file is installed.

FMF0055E: Write failure on license file (*licensefile*).

Explanation

An attempt to write to the license file failed.

System action

Processing ends.

User response

Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMF0056E: Data in the license file (*licensefile*) is not in a valid format.

Explanation

An attempt to read information from the license file failed.

System action

Processing ends.

User response

Install the product again.

FMF0057E: The checksum in the license file (*licensefile*) does not match the license string text.

Explanation

An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action

Processing ends.

User response

Reinstall the product.

FMF0058E: The 'Try and Buy' license has expired.

Explanation

This 'Try and Buy' license that was detected has expired.

System action

Processing ends.

User response

This product is no longer valid for use. A valid license must be obtained before running the product.

FMF0100E: Incomplete command:

Explanation

This message displays the incomplete command that was entered.

System action

Processing ends.

User response

Re-enter the complete command.

FMF0101E: Invalid argument:

Explanation

This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMF0102E: Invalid command:**Explanation**

This message displays the invalid command that was entered.

System action

Processing ends.

User response

Re-enter a valid command.

FMF0103E: Invalid option for the specified command:**Explanation**

This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMF0104E: Invalid option:**Explanation**

This message displays the command that was entered, up to and including the invalid option that was detected.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMF0105E: Missing argument:**Explanation**

This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMF0132W: Tracing could not be started. Processing will continue.**Explanation**

A problem prevented tracing from beginning.

System action

Processing will continue with the command entered.

User response

Refer to the other messages that display with this message to determine the problem.

FMF0133W: Could not locate installation directory. Attempting to continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client was installed. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMF0134W: Could not locate log directory. Processing will continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client log is located. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMF0150I: Operation canceled by user.

Explanation

The user has requested the application client end by entering ctrl-C.

System action

Processing ends.

User response

None

FMF0151E: Errors occurred while processing the request.

Explanation

Attempting to process the request entered, an error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMF0152I: Performance stats: *seconds* seconds spent in *apical* API calls

Explanation

The indicated number of seconds were spent making API calls for the indicated system.

System action

Processing continues.

User response

None

FMF0153I: Performance stats: *seconds* seconds spent in *function*

Explanation

The indicated number of seconds were spent the named function.

System action

Processing continues.

User response

None

FMF0154E: The IBM Storage Protect Snapshot application client cannot work with the version of the IBM Storage Protect Snapshot API you have installed. Please install version *version.release.level* or greater.

Explanation

The version of the IBM Storage Protect Snapshot API currently installed on the system is older than the version used to build the IBM Storage Protect Snapshot application client.

System action

Processing ends.

User response

Install a version of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Storage Protect Snapshot application client.

FMF0155E: The IBM Storage Protect Snapshot application client cannot work with the release of IBM Storage Protect Snapshot API you have installed. Please install release *version.release.level* or greater.

Explanation

The release of the IBM Storage Protect Snapshot API currently installed on the system is older than the release used to build the IBM Storage Protect Snapshot application client.

System action

Processing ends.

User response

Install a release of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Storage Protect Snapshot application client.

FMF0156E: Could not load the IBM Storage Protect Snapshot API.

Explanation

The IBM Storage Protect Snapshot API could not be loaded.

System action

Processing ends.

User response

Ensure the IBM Storage Protect Snapshot API is correctly installed. Run the IBM Storage Protect Snapshot application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the IBM Storage Protect Snapshot API, if this is the case.

FMF0160E: An authentication error occurred with your stored IBM Storage Protect Snapshot password.

Explanation

You were unable to log on to the IBM Storage Protect Snapshot server due an authentication error.

System action

Processing stops.

User response

The stored IBM Storage Protect Snapshot password may have become corrupted. Contact your IBM Storage Protect Snapshot server administrator.

FMF0161E: Authentication error. The password entered is not valid. You are not logged on to the IBM Storage Protect Snapshot server.

Explanation

An incorrect password was entered.

System action

Processing stops.

User response

Enter the correct IBM Storage Protect Snapshot password and try again.

FMF0162E: The passwords entered do not match. Please enter them again.

Explanation

An incorrect password was entered.

System action

Processing stops.

User response

Enter the passwords again.

FMF0163E: The directory path needs to be fully-qualified.

Explanation

The /intopath option was specified without a fully-qualified path.

System action

Processing stops.

User response

Enter the command again and specify a fully-qualified path in the /intopath option.

FMF0167E: The fully-qualified file name is too long.**Explanation**

An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMF0200E: File (*filename*) could not be opened for reading.**Explanation**

An attempt was made to open a file for reading. This attempt failed.

System action

Processing ends.

User response

None

FMF0201E: File (*filename*) could not be opened for writing.**Explanation**

An attempt was made to open a file for writing. This attempt failed.

System action

Processing ends.

User response

None

FMF0202E: Read failure on file (*filename*).**Explanation**

An attempt was made to read from a file. This attempt failed.

System action

Processing ends.

User response

None

FMF0203E: Write failure on file (*filename*).**Explanation**

An attempt was made to write to a file. This attempt failed.

System action

Processing ends.

User response

None

FMF0204E: File (*filename*) could not be closed.**Explanation**

An attempt was made to close a file. This attempt failed.

System action

Processing ends.

User response

None

FMF0205E: File (*filename*) statistics could not be obtained.**Explanation**

An attempt was made to obtain file statistics. This attempt failed.

System action

Processing ends.

User response

None

FMF0206E: Directory (*directory*) could not be created.**Explanation**

An attempt was made to create a directory. This attempt failed.

System action

Processing ends.

User response

None

FMF0207E: Directory path (*directorypath*) is too long.

Explanation

An attempt was made to use a directory path that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMF0208E: There is not enough disk space for the operation attempted.

Explanation

An attempted operation required more disk space than was available. The attempt failed.

System action

Processing ends.

User response

None

FMF0209E: The rename of file (*filename1*) to (*filename2*) failed.

Explanation

An attempt was made to rename a file. This attempt failed.

System action

Processing ends.

User response

None

FMF0210E: The IBM Storage Protect Snapshot high level qualifier is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot high level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMF0211E: The IBM Storage Protect Snapshot low level qualifier is too long.**Explanation**

An attempt was made to use a IBM Storage Protect Snapshot low level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMF0212E: The IBM Storage Protect Snapshot filespace name is too long.**Explanation**

An attempt was made to use a IBM Storage Protect Snapshot filespace name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMF0213E: The maximum number of objects allowed per IBM Storage Protect Snapshot transaction is too small.**Explanation**

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server in a single transaction. The IBM Storage Protect Snapshot server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the IBM Storage Protect Snapshot application client.

System action

Processing ends.

User response

Increase the maximum number of objects allowed per transaction on the IBM Storage Protect Snapshot server and retry the operation.

FMF0214E: The backup object's management class backup copy group does not exist.

Explanation

The IBM Storage Protect Snapshot server has indicated that the backup object's management class backup copy group does not exist.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMF0215E: All backup objects do not have the same management class backup copy destination.

Explanation

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMF0216E: Unable to obtain space information for volume (*volumentname*).

Explanation

An attempt was made to obtain space information for a volume. This attempt failed.

System action

Processing ends.

User response

None

FMF0217E: The IBM Storage Protect Snapshot filespace name is invalid.

Explanation

The filespace name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the filespace name length, characters, and directory delimiters are valid.

FMF0218E: The IBM Storage Protect Snapshot high level qualifier is invalid.**Explanation**

The high level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the high level qualifier name length, characters, and directory delimiters are valid.

FMF0219E: The IBM Storage Protect Snapshot low level qualifier is invalid.**Explanation**

The low level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the low level qualifier name length, characters, and directory delimiters are valid.

FMF0256E: The password in your IBM Storage Protect Snapshot options file has expired. Please change your password on the IBM Storage Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.**Explanation**

Your IBM Storage Protect Snapshot password has expired. You need to change your password.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot server; node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMF0257E: Your password has expired.

Explanation

Your IBM Storage Protect Snapshot password has expired. A new password needs to be obtained.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMF0258E: You did not enter a valid password. Processing ends.

Explanation

The password that was entered was not a valid password.

System action

Processing ends.

User response

Re-enter the command specifying a valid password.

FMF0259E: The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation

The password you entered for verification of your new password does not match the new password that was entered.

System action

Processing ends.

User response

Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMF0260I: Password successfully changed.

Explanation

The change password command completed successfully

System action

Processing ends.

User response

None

FMF0261I: There are no backups for the server named *servername*.

Explanation

There are no backups on the IBM Storage Protect Snapshot server for the specified server name.

System action

Processing ends.

User response

None

FMF0262E: Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation

While attempting to process a VSS operation, an unexpected error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the error by examining the IBM Storage Protect Snapshot for Windows log file, the client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the IBM Storage Protect Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMF0267E: The verify password entered does not match the new password entered.

Explanation

The verify password does not match the new password.

System action

Processing ends.

User response

Retry the command with a matching verify password.

FMF0292E: An unknown error has been detected. rc = *rc*

Explanation

An error occurred without an error message. The return code is displayed.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMF0300E: Invalid restore type.

Explanation

The type of restore requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid restore type.

FMF0301E: Invalid backup type.

Explanation

The type of backup requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid backup type.

FMF0351E: Invalid trace keyword - '*keyword*'

Explanation

A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action

Client program did not initialize or tracing was not enabled in the applet.

User response

Correct the value.

FMF0368E: Invalid trace file name (name too long).

Explanation

A TRACEFILE option in the preferences files used a file name that is too long.

System action

Client program did not initialize.

User response

Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMF0383E: Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation

Trace file '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response

Specify the trace file location with the 'tracefile' option.

FMF0384E: Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response

Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMF0385E: Unable to delete symbolic link '*link*'.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

Processing stops.

User response

Delete the symbolic link '*linkname*'.

FMF0476E: *program-name*: cannot open file *file-spec*: error.

Explanation

Cannot open the file. The reason is given in the message.

System action

Cannot complete the requested operation.

User response

Retry the operation. If the problem continues, check with your system administrator.

FMF0480I: Temp object renamed (Filespace: ", HL: ", and LL: ').

Explanation

After a legacy backup operation, it might be a temp object remains on TSM server but for SQL Server this backup is successful already. Rename this temp object to have consistent backup.

System action

User response

No action is required.

FMF0487E: Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation

Error log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response

Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMF0488E: Initialization functions cannot open the error log: *log-name*. *errno* = *errno-value*,

Explanation

The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location. If the reason is *errno* =

13, Permission denied, you have the following policy setting control enabled, User Account Control: Turn on Admin Approval Mode.

System action

Processing terminates.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current has write permission. If the reason is `errno = 13, Permission denied`, you should run the same operation in administrator mode.

FMF0495E: Failure writing to a IBM Storage Protect Snapshot log or log-related file: *file-name*, `errno = errno-value`, *reason*

Explanation

A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action

Processing terminates.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMF0496I: Converting the *log-file* from continuous (pruning) mode to wrapping mode. This process may take several minutes.

Explanation

The *log-file* was previously in continuous mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMF0497I: IBM Storage Protect Snapshot is converting the *log-file* from wrapping mode to continuous (pruning) mode. This process may take several minutes.

Explanation

The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMF0498I: *count* log records processed.**Explanation**

This is just a progress report to let you know the process is still ongoing.

System action

Transition processing continues.

User response

None.

FMF0501E: Invalid Proxy Configuration Detected: Target Node '*targetnode*' is not listed as a valid node to proxy to for Node Name '*nodename*'.**Explanation**

The proxy node configuration on the Storage Protect Snapshot Server is not correct to support this VSS operation.

System action

The VSS operation stops.

User response

Contact the Storage Protect Snapshot Server administrator to have the correct GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMF0515E: Invalid DSMAGENT Node configuration found for node '*dsmagentnode*'.**Explanation**

The DSMAGENT Node specified is not configured properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that the client acceptor is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMF0516I: The Windows console event handler received a '*event*' console event.

Explanation

A console event was received by one of the IBM Storage Protect Snapshot processes or programs. The following events can be received:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action

None.

User response

None.

FMF0517I: An unexpected error was encountered. function name : *function-name* function : *function-desc* return code : *TSM-rc* file : *file-name* (*line-number*)

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect Snapshot administrator with the information provided in this message.

FMF0518E: Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation

A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action

The VSS restore operation stops.

User response

Retry the VSS restore operation specifying one backup object at a time.

FMF0519E: The VSS operation failed with rc = *returncode*.

Explanation

There was a failure when Storage Protect Snapshot performed the VSS operation.

System action

The VSS operation stops.

User response

Verify that the client acceptor is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMF0520E: Failed to connect to Local DSMAGENT Node '*localdsmagentnode*' at address:port '*address:portnumber*'. Verify that the client acceptor is installed, configured, and running properly.

Explanation

An attempt was made to connect to the client acceptor running on the local machine. A communication error occurred when this connection was attempted.

System action

The operation stops.

User response

In order to perform VSS operations, you must have a client acceptor and a IBM Storage Protect Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the client acceptor must be running. Verify that the client acceptor is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

FMF0521E: Pruning functions cannot open the prune files: *log-name*. errno = *errno-value*,

Explanation

The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another IBM Storage Protect Snapshot process started by different user id is performing pruning at the same time.

System action

Pruning stops, processing continues.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMF0522E: DIAG:

Explanation

The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action

None.

User response

None.

FMF0524S: Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation

There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action

Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response

If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMF0555E: Invalid number of snapshots:

Explanation

System action

Policy was not created.

User response

Specify a number in the range: range: 1...9999 or NOLimit

FMF0556E: Invalid number of days:

Explanation

System action

The Policy was not created.

User response

Specify a number in the range: range: 0...9999 or NOLimit

FMF0571E: The specified policy was not found: '*policy*'**Explanation****System action****User response**

Please make sure that the specified policy exists.

FMF0572E: The specified policy already exists: '*policy*'**Explanation****System action**

Policy was not created.

User response

Enter a different name for the policy.

FMF0573E: The specified policy could not be updated: '*policy*'**Explanation**

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMF0574E: The specified policy could not be deleted: '*policy*'**Explanation**

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMF0575E: The specified policy could not be created: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMF0576I: There were no items found.

Explanation

The query completed successfully, but no results were found.

System action

None.

User response

Change the specified search criteria.

FMF0581E: One or more of the volume(s) *volume-list* could not be locked. See more details in the VSS Requester error log file (baclient\dsmmerror.log).

Explanation

The system call to lock the volume(s) failed.

System action

Processing stopped.

User response

Please verify that no other application is accessing the volume(s). During restore of an image exclusive use of the volume is required.

FMF0583E: Invalid name of policy specified. Valid input characters include alphanumeric characters and underscore.

Explanation

System action

Policy was not created.

User response

Please specify a valid name.

FMF0585E: Unable to connect to the client acceptor.

Explanation

Possible causes of this message include: The client acceptor is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Storage Protect Snapshot Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value.

System action

The VSS operation stops.

User response

Ensure that the client acceptor is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Storage Protect Snapshot Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the operation.

FMF0588E: The value for the BACKUPDESTination option is not allowed. IBM Storage Protect Snapshot is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

Explanation

The value for the configuration option is not allowed. The only allowed value is TSM. IBM Storage Protect Snapshot is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

System action

Processing ends.

User response

Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install IBM Storage Protect Snapshot.

FMF0589E: You are not allowed to set REMOTEDSMAGentnode option. IBM Storage Protect Snapshot is not licensed to perform offloaded VSS backups.

Explanation

The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMF0590E: A Data Protection communication error with the IBM Storage Protect Snapshot server has occurred.**Explanation**

Communications with the IBM Storage Protect Snapshot server has been lost.

System action

The operation stops.

User response

Correct the TCP/IP communications error with the IBM Storage Protect Snapshot server and retry the operation.

FMF0591I: Communications with the IBM Storage Protect Snapshot server recovered.**Explanation**

Communications with the IBM Storage Protect Snapshot server has been successfully recovered.

System action

None.

User response

Continue with normal operations.

FMF0592E: The TCP/IP session with the IBM Storage Protect Snapshot server was canceled.**Explanation**

The TCP/IP session with the IBM Storage Protect Snapshot server was cancelled.

System action

The operation stops.

User response

Correct the reason the IBM Storage Protect Snapshot server administrator cancelled the session and retry the operation.

FMF0593E: IBM Storage Protect Snapshot is not licensed to perform offloaded VSS backups.

Explanation

Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMF0594E: You cannot perform offloaded VSS backups in a standalone configuration.

Explanation

OFFLOAD option is not available in a standalone configuration.

System action

The operation stops.

User response

In order to perform offloaded VSS backups you have to configure IBM Storage Protect Snapshot to manage snapshot backups using a IBM Storage Protect Snapshot server. To do this, you can use the configuration wizard.

FMF0595E: The options file '*optfile*' does not exist. It is required for proper operation.

Explanation

The specified IBM Storage Protect API options file could not be found. It is required in order to complete the command.

System action

Processing ends.

User response

Make sure to complete IBM Storage Protect Snapshot configuration and try the operation again.

FMF0598E: The application cannot run in safe mode.

Explanation

The application requires either Services or Drivers that are not available when running in safe mode.

System action

The application processing stops.

User response

Restart the system using the normal startup. When the system is started, run the application.

FMF0599E: The application cannot establish a remote powershell connection.**Explanation**

The application attempted to establish a remote powershell connection. The operation failed.

System action

The application processing stops.

User response

Verify you are using the correct credentials. For more information, see the Microsoft [about_Remote_Troubleshooting Help](#) topic.

FMF0601E: There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.**Explanation**

This problem occurs when either the local or remote Powershell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action

Application processing stops.

User response

To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMF0602E: While attempting to communicate with the remote client, a version check reveals that the versions do not match.**Explanation**

During initialization between the local client and the remote client, version checking reveals that the versions do not match. This is usually the result of an upgrade of one client module without upgrading other client modules that are part of product solution.

System action

The calling procedure returns and control is passed back the user.

User response

Check the versions of all IBM Storage Protect Client products that communicate with each other and ensure that they are all at the same version, release, and level.

FMF0603S: File '*file-name*' could not be found, or it cannot be read.

Explanation

Common reasons for this error include:

- The default options file does not exist.
- The DSMI_CONFIG (or DSMI_CONFIG if you are using the IBM Storage Protect Snapshot API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Storage Protect Snapshot client, but the option file you provided does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Storage Protect Snapshot client, but the configuration file that you provided does not have appropriate read permissions for the user that is running the operation.
- You specified the CONFIGFILE option when starting the IBM Storage Protect Snapshot client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the IBM Storage Protect Snapshot client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action

IBM Storage Protect Snapshot client processing stops.

User response

Make sure that the file you want to use exists, it has the read rights set for the user that is running the operation, and it is in the standard file encoding of the system. For example, on Windows the expected file encoding is ANSI. Review the configuration information in the IBM Storage Protect Snapshot client manual specific to your operating system. If the problem persists, ask your IBM Storage Protect Snapshot administrator for further assistance.

FMF0604E: The Backup you are mounting is not located on a SVC volume.

Explanation

Mounting with Snap Of A Snap is only supported with SVC volumes.

System action

Processing stopped.

User response

You may mount backups located as Read Only or Read Write with Snap Of A Snap disabled.

FMF0605E: The SVC Hardware Provider is not installed.

Explanation

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider.

System action

Processing stopped.

User response

Install the SVC Hardware Provider. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0606E: The SVC Hardware Provider is not at minimum level.**Explanation**

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider version 4.12 or higher.

System action

Processing stopped.

User response

Install SVC Hardware Provider version 4.12 or higher. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0607E: The SVC VSS Hardware Provider has reported an error.**Explanation**

The SVC VSS Hardware Provider has reported an error.

System action

Processing stopped.

User response

See the SVC VSS Hardware Provider log for more details.

FMF0608E: The backup type is not a COPY backup type.**Explanation**

Only COPY or COPYFULL backup types maybe mounted read write when not useing the Snap Of A Snap feature

System action

Processing stopped.

User response

Enable the USESNAPOFASNAPTmount configuration option if you have a supported environemnt.

FMF0609E: The backup has been modified and cannot be restored.

Explanation

When you mount COPY or COPYFULL type backups as read/write, the backup data is modified. A backup with modified data cannot be used for restore operations.

System action

Processing stopped.

User response

Use an alternative backup, one that has not been modified, for your restore operations.

FMF0649E: The disk provider does not support the snap of a snap feature. See more details in the VSS Requester error log file (baclient\dserror.log).

Explanation

You can use the snap of a snap feature only on SVC and Storwize systems.

System action

Processing ends.

User response

Reset the USESNAPOFASNAPTOMOUNT option to No in the Data Protection configuration file and set MOUNTRW=Yes to mount the read/write backup.

FMF0650E: The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

Explanation

The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

System action

Processing ends.

User response

Provide an existing empty folder, or a drive letter in case you mount a file system backup.

FMF1225E: The *command_stream* command is not supported without an IBM Storage Protect Snapshot license.

Explanation

To issue the command, a license for IBM Storage Protect Snapshot is required. If an IBM Storage Protect Snapshot license does not exist, the command is not supported.

System action

None.

User response

Install an IBM Storage Protect Snapshot license, then issue the command again.

FMF1226E: The local backup or clone cannot be deleted from current machine. It must be deleted from the machine where its snapshot was created.

Explanation

Delete operation failed because the snapshot information for the local backup or clone cannot be found in local machine.

System action

The operation stops.

User response

Delete the local backup or clone from the machine where its snapshot was created.

FMF1227E: Node '*nodename*' does not connect or register properly with IBM Storage Protect Snapshot Server.

Explanation

DSMAgent node cannot be connected or register properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that SSL is config correctly. If the error persists, contact your service representative.

FMF5814E: Invalid command. IBM Storage Protect Snapshot for Windows does not support OFFLOAD with the combination specified for backup destination and version of Windows.

Explanation

The OFFLOAD option was specified with an unsupported backup destination. IBM Storage Protect Snapshot for Windows only supports offload with a backup destination of TSM, or if running on a Windows Server 2008 or later, backup destination TSM or BOTH.

System action

The backup operation is canceled.

User response

Retry the VSS offloaded backup operation specifying a valid backup destination.

FMF5815E: Invalid command. IBM Storage Protect Snapshot for Windows does not support INTO option with the specified backup destination of LOCAL.**Explanation**

The INTO option was specified with an unsupported backup destination. IBM Storage Protect Snapshot for Windows only supports INTO with a backup destination of TSM.

System action

The restore operation is canceled.

User response

Retry the VSS restore into operation specifying a valid backup destination.

FMF5816E: Invalid command. The INTO option only supports one restore component per command.**Explanation**

The INTO option was specified with multiple restore components. IBM Storage Protect Snapshot for Windows only supports INTO with a single restore component.

System action

The restore operation is canceled.

User response

Retry the VSS restore into operation specifying only one restore component.

FMF5817E: The volume/mount point specified in the INTO option is not valid.**Explanation**

The INTO option was specified with an invalid value.

System action

The restore operation is canceled.

User response

Retry the VSS restore INTO operation specifying a valid INTO value.

FMF5945E: The following mount point is used as a mapped network share for '*share-name*': '*drive-letter*'.

Explanation

When a backup is mounted over a mapped network drive letter, the files on the mounted snapshot cannot be accessed using that drive letter.

System action

The operation stops.

User response

Specify an unassigned drive letter or mount point directory.

FMF5956I: The *logfile* log file could not be pruned. Processing will continue.

Explanation

An attempt to prune the log was unsuccessful.

System action

Processing continues.

User response

The log file may not exist. If the log file exists, view the log for indications of possible problems.

FMF5957I: The *logfile* log file was pruned successfully.

Explanation

The log file mentioned pruned successfully.

System action

Processing continues.

User response

None.

FMF5970I: The operation was canceled by the user.

Explanation

The user has requested that the operation be canceled.

System action

Processing ends.

User response

None

FMF5976E: An error was encountered with IBM Storage Protect Snapshot API initialization, rc = *returncode*. Examine the dserror.log for more information or determine if the Storage Protect Snapshot API is installed properly.

Explanation

An attempt was made to run setup for the Storage Protect Snapshot API. However, errors were encountered.

System action

Processing continues.

User response

Examine the dserror.log file to determine the problem. If this file does not exist, it is possible that the Storage Protect Snapshot API is not installed properly. If this is the case, reinstall the Storage Protect Snapshot API and try running the command again.

FMF5989E: No components were found that match the criteria specified.

Explanation

None of the items specified match the components found on this machine.

System action

Processing ends.

User response

Correct the component specification and try the operation again.

FMF5990E: There were no backups found that match the criteria specified.

Explanation

There are no backups found on the IBM Storage Protect Snapshot server for the specified criteria.

System action

Processing ends.

User response

Correct the backup specification and try the operation again.

FMF6011E: The configuration file specified cannot be found.

Explanation

The file specified in the /configfile parameter cannot be found.

System action

Processing stops.

User response

Ensure the correct file name is specified.

FMF6012I: The configuration file specified cannot be found. Creating configuration file '*configfile*' with default settings.

Explanation

The file specified in the /configfile parameter cannot be found. The file specified gets created with default settings.

System action

Processing continues.

User response

None

FMF6013E: Mount backup command failed. The mount point and or backup specified is invalid. Please refer to dsmerror.log for further details.

Explanation

The mount backup command failed. The backup specified may already be mounted and or the drive to map to may already be in used

System action

Processing stops

User response

Check to make sure that the backup specified is not already mounted and that the drive to map to is available.

FMF6014E: Unmount backup command failed. Please refer to dsmerror.log for further details.

Explanation

The unmount backup command failed. The backup specified may not be mounted.

System action

Processing stops

User response

Check to make sure that the backup specified is mounted.

FMF6015E: Invalid component list. Qualified and non-qualified objects can not be specified on the same command.**Explanation**

A command was specified with a component list that contained qualified and non-qualified objects. This is not valid.

System action

The operation stops.

User response

Enter the command again with a component list that contains all qualified or all non-qualified objects.

FMF6016E: Conflicting arguments found. Point in Time options can not be specified on the same command as qualified objects.**Explanation**

A command was specified with the point in time option and a component list that contained one or more qualified objects. This is not valid.

System action

The operation stops.

User response

Correct the syntax and retry the operation.

FMF6017E: An invalid duplicate object, '*object*', was found in the component list. This is not valid on a RESTORE operation.**Explanation**

A command was specified with a component list that contained duplicate objects. RESTORE operations do not support this.

System action

The operation stops.

User response

Correct the syntax and retry the operation.

FMF6018E: IBM Storage Protect Snapshot was not able to obtain VSS component information.

Explanation

An error occurred when attempting to enumerate the VSS components for the operation. This could be the result of a VSS Requestor or VSS Writer error.

System action

The operation stops.

User response

Stop the IBM Storage Protect Remote Client Agent Windows service then stop and restart the IBM Storage Protect Client Acceptor Windows service. After that, retry the operation. If the problem persists, refer to the dsmserror.log file, the dsiererror.log file, and/or the Windows Event Log for further details on the error.

FMF6019E: In the component list that is specified, the following object is not valid: '*object*'.

Explanation

The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action

The operation stops.

User response

Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMF6020I: The configuration file cannot be read. Creating configuration file '*configfile*' with default settings.

Explanation

The file specified gets created with default settings.

System action

Processing continues.

User response

None

FMF6021E: The value for the *preference* preference is not valid. See the FCMCLI HELP UPDATE/INSERT output or the User's Guide for valid command parameters.

Explanation

The preference being set is not valid.

System action

Processing ends.

User response

You can either run the command "fcmcli help update" or view the User's Guide for valid UPDATE command parameters.

FMF6026E: PASSWORDACCESS is Generate. Either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.

Explanation

The PASSWORDACCESS option is set to generate in the client options file. However, no password is stored. An initial password needs to be stored.

System action

Processing ends.

User response

Invoke the command again using the -TSMPassword option. Any subsequent commands should now complete without specifying a password.

FMF6030E: The IBM Storage Protect Snapshot VSS Fast Restore operation failed to restore the volume. Examine the FCMFSFR.LOG file for more details on the failure.

Explanation

IBM Storage Protect Snapshot attempted to perform a file-level copy of all files from the snapshot backup to the original source volume. There was a failure during the file-level copy operation. This can be caused by locked files or files that are in use by the operating system.

System action

Processing ends.

User response

Examine the FCMFSFR.LOG file that is located in the IBM Storage Protect Snapshot installation directory for specific details on the error. If you are not able to perform the VSS Fast Restore operation successfully, access

the backup using the FCMCLI MOUNT command or the equivalent function in the MMC interface. After mounting the backup, use Windows Explorer or other operating system commands to copy the needed files.

FMF6031E: The option /BACKUPDESTINATION is invalid when performing data protection operations using a IBM Storage Protect Snapshot virtual server.

Explanation

Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a IBM Storage Protect Snapshot virtual server. No other value is supported for this option. As a result it is no longer necessary to specify this parameter. For compatibility with other products values for /BACKUPDESTINATION can be specified as long as this is set to its only valid value. This means that /BACKUPDESTINATION option can only be set to LOCAL value.

System action

The operation stops.

User response

Retry the command removing the /BACKUPDESTINATION option.

FMF6037W: The preference or preferences *preference list* that can be specified in the preference file *preference file name* are not valid for the current operation. Default values will be used instead.

Explanation

Some of the preference values specified in the configuration file are not valid for the current operation. Unless you specify valid corresponding options using the command line, default values will be used instead. Consult the Configuring or Reference information chapters of the FlashCopy Manager for Windows Installation and User's Guide for valid preference values.

System action

Processing continues.

User response

Check the configuration file and correct the preference values per those outlined in the Configuring or Reference information chapters of the FlashCopy Manager for Windows Installation and User's Guide.

FMF6038E: The backup destination BOTH is not valid for current operation.

Explanation

The value BOTH for the BACKUPDESTINATION preference is not valid for current operation.

System action

The operation stops.

User response

Retry the command specifying the /BACKUPDESTINATION option with value LOCAL or TSM.

FMX messages

Messages with prefix FMX are issued by the IBM Storage® Protect Snapshot for Microsoft™ Exchange Server. IBM Storage® Protect Snapshot FMX messages are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMX messages: An internal processing error has occurred.

FMX0003S: An internal processing error has occurred.

Explanation

An internal processing error has occurred.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMX0004E: An unknown error has been detected.

Explanation

An internal processing error has occurred that prevents the generation of a message for a return code.

System action

Processing continues.

User response

Retry the operation. If this error persists, contact your service representative.

FMX0005E: Out of memory. Stop other processes and try the operation again.

Explanation

The machine has run out of memory.

System action

Processing continues.

User response

Close unnecessary processes and try the operation again.

FMX0053E: License file (*licensefile*) could not be opened.

Explanation

An attempt to read from the license file failed.

System action

Processing ends.

User response

Install the product again. This ensures that the correct license file is installed.

FMX0054E: Read failure on license file (*licensefile*).

Explanation

An attempt was made to read from the license file. This attempt failed.

System action

Processing ends.

User response

Reinstall the product. This will ensure that the correct license file is installed.

FMX0055E: Write failure on license file (*licensefile*).

Explanation

An attempt to write to the license file failed.

System action

Processing ends.

User response

Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMX0056E: Data in the license file (*licensefile*) is not in a valid format.

Explanation

An attempt to read information from the license file failed.

System action

Processing ends.

User response

Install the product again.

FMX0057E: The checksum in the license file (*licensefile*) does not match the license string text.

Explanation

An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action

Processing ends.

User response

Reinstall the product.

FMX0058E: The 'Try and Buy' license has expired.

Explanation

This 'Try and Buy' license that was detected has expired.

System action

Processing ends.

User response

This product is no longer valid for use. A valid license must be obtained before running the product.

FMX0100E: Incomplete command:

Explanation

This message displays the incomplete command that was entered.

System action

Processing ends.

User response

Re-enter the complete command.

FMX0101E: Invalid argument:

Explanation

This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMX0102E: Invalid command:**Explanation**

This message displays the invalid command that was entered.

System action

Processing ends.

User response

Re-enter a valid command.

FMX0103E: Invalid option for the specified command:**Explanation**

This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMX0104E: Invalid option:**Explanation**

This message displays the command that was entered, up to and including the invalid option that was detected.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMX0105E: Missing argument:**Explanation**

This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMX0132W: Tracing could not be started. Processing will continue.**Explanation**

A problem prevented tracing from beginning.

System action

Processing will continue with the command entered.

User response

Refer to the other messages that display with this message to determine the problem.

FMX0133W: Could not locate installation directory. Attempting to continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client was installed. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMX0134W: Could not locate log directory. Processing will continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client log is located. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMX0150I: Operation canceled by user.

Explanation

The user has requested the application client end by entering ctrl-C.

System action

Processing ends.

User response

None

FMX0151E: Errors occurred while processing the request.

Explanation

Attempting to process the request entered, an error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMX0152I: Performance stats: *seconds* seconds spent in *apical1* API calls

Explanation

The indicated number of seconds were spent making API calls for the indicated system.

System action

Processing continues.

User response

None

FMX0153I: Performance stats: *seconds* seconds spent in *function*

Explanation

The indicated number of seconds were spent the named function.

System action

Processing continues.

User response

None

FMX0154E: The IBM Storage Protect Snapshot for Microsoft Exchange Server application client cannot work with the version of the IBM Storage Protect Snapshot API you have installed. Please install version *version.release.level* or greater.

Explanation

The version of the IBM Storage Protect Snapshot API currently installed on the system is older than the version used to build the IBM Storage Protect Snapshot for Microsoft Exchange Server application client.

System action

Processing ends.

User response

Install a version of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Storage Protect Snapshot for Microsoft Exchange Server application client.

FMX0155E: The IBM Storage Protect Snapshot for Microsoft Exchange Server application client cannot work with the release of IBM Storage Protect Snapshot API you have installed. Please install release *version.release.level* or greater.

Explanation

The release of the IBM Storage Protect Snapshot API currently installed on the system is older than the release used to build the IBM Storage Protect Snapshot for Microsoft Exchange Server application client.

System action

Processing ends.

User response

Install a release of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Storage Protect Snapshot for Microsoft Exchange Server application client.

FMX0156E: Could not load the IBM Storage Protect Snapshot API.

Explanation

The IBM Storage Protect Snapshot API could not be loaded.

System action

Processing ends.

User response

Ensure the IBM Storage Protect Snapshot API is correctly installed. Run the IBM Storage Protect Snapshot for Microsoft Exchange Server application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the IBM Storage Protect Snapshot API, if this is the case.

FMX0160E: An authentication error occurred with your stored IBM Storage Protect Snapshot password.**Explanation**

You were unable to log on to the IBM Storage Protect Snapshot server due an authentication error.

System action

Processing stops.

User response

The stored IBM Storage Protect Snapshot password may have become corrupted. Contact your IBM Storage Protect Snapshot server administrator.

FMX0161E: Authentication error. The password entered is not valid. You are not logged on to the IBM Storage Protect Snapshot server.**Explanation**

An incorrect password was entered.

System action

Processing stops.

User response

Enter the correct IBM Storage Protect Snapshot password and try again.

FMX0162E: The passwords entered do not match. Please enter them again.**Explanation**

An incorrect password was entered.

System action

Processing stops.

User response

Enter the passwords again.

FMX0163E: The directory path needs to be fully-qualified.

Explanation

The /intopath option was specified without a fully-qualified path.

System action

Processing stops.

User response

Enter the command again and specify a fully-qualified path in the /intopath option.

FMX0167E: The fully-qualified file name is too long.

Explanation

An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMX0200E: File (*filename*) could not be opened for reading.

Explanation

An attempt was made to open a file for reading. This attempt failed.

System action

Processing ends.

User response

None

FMX0201E: File (*filename*) could not be opened for writing.

Explanation

An attempt was made to open a file for writing. This attempt failed.

System action

Processing ends.

User response

None

FMX0202E: Read failure on file (*filename*).

Explanation

An attempt was made to read from a file. This attempt failed.

System action

Processing ends.

User response

None

FMX0203E: Write failure on file (*filename*).

Explanation

An attempt was made to write to a file. This attempt failed.

System action

Processing ends.

User response

None

FMX0204E: File (*filename*) could not be closed.

Explanation

An attempt was made to close a file. This attempt failed.

System action

Processing ends.

User response

None

FMX0205E: File (*filename*) statistics could not be obtained.

Explanation

An attempt was made to obtain file statistics. This attempt failed.

System action

Processing ends.

User response

None

FMX0206E: Directory (*directory*) could not be created.

Explanation

An attempt was made to create a directory. This attempt failed.

System action

Processing ends.

User response

None

FMX0207E: Directory path (*directorypath*) is too long.

Explanation

An attempt was made to use a directory path that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMX0208E: There is not enough disk space for the operation attempted.

Explanation

An attempted operation required more disk space than was available. The attempt failed.

System action

Processing ends.

User response

None

FMX0209E: The rename of file (*filename1*) to (*filename2*) failed.

Explanation

An attempt was made to rename a file. This attempt failed.

System action

Processing ends.

User response

None

FMX0210E: The IBM Storage Protect Snapshot high level qualifier is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot high level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMX0211E: The IBM Storage Protect Snapshot low level qualifier is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot low level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMX0212E: The IBM Storage Protect Snapshot filespace name is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot filespace name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMX0213E: The maximum number of objects allowed per IBM Storage Protect Snapshot transaction is too small.

Explanation

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server in a single transaction. The IBM Storage Protect Snapshot server has indicated that the

maximum number of objects allowed per transaction is less than the minimum required by the IBM Storage Protect Snapshot for Microsoft Exchange Server application client.

System action

Processing ends.

User response

Increase the maximum number of objects allowed per transaction on the IBM Storage Protect Snapshot server and retry the operation.

FMX0214E: The backup object's management class backup copy group does not exist.

Explanation

The IBM Storage Protect Snapshot server has indicated that the backup object's management class backup copy group does not exist.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMX0215E: All backup objects do not have the same management class backup copy destination.

Explanation

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMX0216E: Unable to obtain space information for volume (*volumentname*).

Explanation

An attempt was made to obtain space information for a volume. This attempt failed.

System action

Processing ends.

User response

None

FMX0217E: The IBM Storage Protect Snapshot filespace name is invalid.**Explanation**

The filespace name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the filespace name length, characters, and directory delimiters are valid.

FMX0218E: The IBM Storage Protect Snapshot high level qualifier is invalid.**Explanation**

The high level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the high level qualifier name length, characters, and directory delimiters are valid.

FMX0219E: The IBM Storage Protect Snapshot low level qualifier is invalid.**Explanation**

The low level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the low level qualifier name length, characters, and directory delimiters are valid.

FMX0256E: The password in your IBM Storage Protect Snapshot options file has expired. Please change your password on the IBM Storage Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.

Explanation

Your IBM Storage Protect Snapshot password has expired. You need to change your password.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot server; node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMX0257E: Your password has expired.

Explanation

Your IBM Storage Protect Snapshot password has expired. A new password needs to be obtained.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMX0258E: You did not enter a valid password. Processing ends.

Explanation

The password that was entered was not a valid password.

System action

Processing ends.

User response

Re-enter the command specifying a valid password.

FMX0259E: The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation

The password you entered for verification of your new password does not match the new password that was entered.

System action

Processing ends.

User response

Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMX0260I: Password successfully changed.

Explanation

The change password command completed successfully

System action

Processing ends.

User response

None

FMX0261I: There are no backups for the server named *servername*.

Explanation

There are no backups on the IBM Storage Protect Snapshot server for the specified server name.

System action

Processing ends.

User response

None

FMX0262E: Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation

While attempting to process a VSS operation, an unexpected error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the error by examining the IBM Storage Protect Snapshot for Exchange log file, the client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the IBM Storage Protect Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMX0267E: The verify password entered does not match the new password entered.**Explanation**

The verify password does not match the new password.

System action

Processing ends.

User response

Retry the command with a matching verify password.

FMX0292E: An unknown error has been detected. rc = rc**Explanation**

An error occurred without an error message. The return code is displayed.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMX0300E: Invalid restore type.**Explanation**

The type of restore requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid restore type.

FMX0301E: Invalid backup type.

Explanation

The type of backup requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid backup type.

FMX0351E: Invalid trace keyword - '*keyword*'

Explanation

A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action

Client program did not initialize or tracing was not enabled in the applet.

User response

Correct the value.

FMX0368E: Invalid trace file name (name too long).

Explanation

A TRACEFILE option in the preferences files used a file name that is too long.

System action

Client program did not initialize.

User response

Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMX0383E: Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation

Trace file '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response

Specify the trace file location with the 'tracefile' option.

FMX0384E: Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response

Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMX0385E: Unable to delete symbolic link '*link*'.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

Processing stops.

User response

Delete the symbolic link '*linkname*'.

FMX0476E: *program-name*: cannot open file *file-spec*: error.

Explanation

Cannot open the file. The reason is given in the message.

System action

Cannot complete the requested operation.

User response

Retry the operation. If the problem continues, check with your system administrator.

FMX0480I: Temp object renamed (Filespace: "", HL: "", and LL: ').

Explanation

After a legacy backup operation, it might be a temp object remains on TSM server but for SQL Server this backup is successful already. Rename this temp object to have consistent backup.

System action

User response

No action is required.

FMX0487E: Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation

Error log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response

Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the '*errorlogname*' option and '*DSM_LOG*' environmental variable.

FMX0488E: Initialization functions cannot open the error log: *log-name*. *errno = errno-value*,

Explanation

The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location. If the reason is *errno = 13*, Permission denied, you have the following policy setting control enabled, User Account Control: Turn on Admin Approval Mode.

System action

Processing terminates.

User response

Set the *DSM_LOG* (or *DSMI_LOG*) environment variable to a directory into which the current user can write. You may also use the *ERRORLOGNAME* option to specify a file to which the current has write permission. If the reason is *errno = 13*, Permission denied, you should run the same operation in administrator mode.

FMX0495E: Failure writing to a IBM Storage Protect Snapshot log or log-related file: *file-name*, *errno = errno-value*, *reason*

Explanation

A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action

Processing terminates.

User response

Set the *DSM_LOG* (or *DSMI_LOG*) environment variable to a directory with adequate space to write the log data.

FMX0496I: Converting the *log-file* from continuous (pruning) mode to wrapping mode. This process may take several minutes.

Explanation

The *log-file* was previously in continuous mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMX0497I: IBM Storage Protect Snapshot is converting the *log-file* from wrapping mode to continuous (pruning) mode. This process may take several minutes.

Explanation

The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMX0498I: *count* log records processed.

Explanation

This is just a progress report to let you know the process is still ongoing.

System action

Transition processing continues.

User response

None.

FMX0501E: Invalid Proxy Configuration Detected: Target Node '*targetnode*' is not listed as a valid node to proxy to for Node Name '*nodename*'.

Explanation

The proxy node configuration on the Storage Protect Snapshot Server is not correct to support this VSS operation.

System action

The VSS operation stops.

User response

Contact the Storage Protect Snapshot Server administrator to have the correct GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMX0515E: Invalid DSMAGENT Node configuration found for node '*dsmagentnode*'.

Explanation

The DSMAGENT Node specified is not configured properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that the client acceptor is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMX0516I: The Windows console event handler received a '*event*' console event.

Explanation

A console event was received by one of the IBM Storage Protect Snapshot for Microsoft Exchange Server processes or programs. The following events can be received:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action

None.

User response

None.

FMX0517I: An unexpected error was encountered. function name :
function-name **function :** *function-desc* **return code :** *TSM-rc* **file :**
file-name (line-number)

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect Snapshot administrator with the information provided in this message.

FMX0518E: Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation

A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action

The VSS restore operation stops.

User response

Retry the VSS restore operation specifying one backup object at a time.

FMX0519E: The VSS operation failed with rc = *returncode*.

Explanation

There was a failure when Storage Protect Snapshot performed the VSS operation.

System action

The VSS operation stops.

User response

Verify that the client acceptor is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

**FMX0520E: Failed to connect to Local DSMAGENT Node
'localdsmagentnode' at address:port 'address:portnumber'. Verify
that the client acceptor is installed, configured, and running properly.**

Explanation

An attempt was made to connect to the client acceptor running on the local machine. A communication error occurred when this connection was attempted.

System action

The operation stops.

User response

In order to perform VSS operations, you must have a client acceptor and a IBM Storage Protect Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the client acceptor must be running. Verify that the client acceptor is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

**FMX0521E: Pruning functions cannot open the prune files: *log-name*.
errno = *errno-value*,**

Explanation

The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another IBM Storage Protect Snapshot process started by different user id is performing pruning at the same time.

System action

Pruning stops, processing continues.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMX0522E: DIAG:

Explanation

The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action

None.

User response

None.

FMX0524S: Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation

There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action

Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response

If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMX0555E: Invalid number of snapshots:

Explanation

System action

Policy was not created.

User response

Specify a number in the range: range: 1...9999 or NOLimit

FMX0556E: Invalid number of days:

Explanation

System action

The Policy was not created.

User response

Specify a number in the range: range: 0...9999 or NOLimit

FMX0571E: The specified policy was not found: '*policy*'

Explanation

System action

User response

Please make sure that the specified policy exists.

FMX0572E: The specified policy already exists: '*policy*'

Explanation

System action

Policy was not created.

User response

Enter a different name for the policy.

FMX0573E: The specified policy could not be updated: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMX0574E: The specified policy could not be deleted: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMX0575E: The specified policy could not be created: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMX0576I: There were no items found.

Explanation

The query completed successfully, but no results were found.

System action

None.

User response

Change the specified search criteria.

FMX0581E: One or more of the volume(s) *volume-list* could not be locked. See more details in the VSS Requester error log file (baclient\dsmerror.log).

Explanation

The system call to lock the volume(s) failed.

System action

Processing stopped.

User response

Please verify that no other application is accessing the volume(s). During restore of an image exclusive use of the volume is required.

FMX0583E: Invalid name of policy specified. Valid input characters include alphanumeric characters and underscore.

Explanation

System action

Policy was not created.

User response

Please specify a valid name.

FMX0585E: Unable to connect to the client acceptor.

Explanation

Possible causes of this message include: The client acceptor is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Storage Protect Snapshot for Microsoft Exchange Server Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value.

System action

The VSS operation stops.

User response

Ensure that the client acceptor is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Storage Protect Snapshot for Microsoft Exchange Server Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the operation.

FMX0588E: The value for the BACKUPDESTination option is not allowed. IBM Storage Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

Explanation

The value for the configuration option is not allowed. The only allowed value is TSM. IBM Storage Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

System action

Processing ends.

User response

Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install IBM Storage Protect Snapshot.

FMX0589E: You are not allowed to set REMOTEDSMAGentnode option. IBM Storage Protect Snapshot for Microsoft Exchange Server is not licensed to perform offloaded VSS backups.

Explanation

The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMX0590E: A Data Protection communication error with the IBM Storage Protect Snapshot server has occurred.

Explanation

Communications with the IBM Storage Protect Snapshot server has been lost.

System action

The operation stops.

User response

Correct the TCP/IP communications error with the IBM Storage Protect Snapshot server and retry the operation.

FMX0591I: Communications with the IBM Storage Protect Snapshot server recovered.**Explanation**

Communications with the IBM Storage Protect Snapshot server has been successfully recovered.

System action

None.

User response

Continue with normal operations.

FMX0592E: The TCP/IP session with the IBM Storage Protect Snapshot server was canceled.**Explanation**

The TCP/IP session with the IBM Storage Protect Snapshot server was cancelled.

System action

The operation stops.

User response

Correct the reason the IBM Storage Protect Snapshot server administrator cancelled the session and retry the operation.

FMX0593E: IBM Storage Protect Snapshot for Microsoft Exchange Server is not licensed to perform offloaded VSS backups.**Explanation**

Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMX0594E: You cannot perform offloaded VSS backups in a standalone configuration.

Explanation

OFFLOAD option is not available in a standalone configuration.

System action

The operation stops.

User response

In order to perform offloaded VSS backups you have to configure IBM Storage Protect Snapshot to manage snapshot backups using a IBM Storage Protect Snapshot server. To do this, you can use the configuration wizard.

FMX0595E: The options file '*optfile*' does not exist. It is required for proper operation.

Explanation

The specified IBM Storage Protect API options file could not be found. It is required in order to complete the command.

System action

Processing ends.

User response

Make sure to complete IBM Storage Protect Snapshot configuration and try the operation again.

FMX0598E: The application cannot run in safe mode.

Explanation

The application requires either Services or Drivers that are not available when running in safe mode.

System action

The application processing stops.

User response

Restart the system using the normal startup. When the system is started, run the application.

FMX0599E: The application cannot establish a remote powershell connection.

Explanation

The application attempted to establish a remote powershell connection. The operation failed.

System action

The application processing stops.

User response

Verify you are using the correct credentials. For more information, see the Microsoft [about_Remote_Troubleshooting](#) Help topic.

FMX0601E: There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.

Explanation

This problem occurs when either the local or remote Powershell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action

Application processing stops.

User response

To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMX0602E: While attempting to communicate with the remote client, a version check reveals that the versions do not match.

Explanation

During initialization between the local client and the remote client, version checking reveals that the versions do not match. This is usually the result of an upgrade of one client module without upgrading other client modules that are part of product solution.

System action

The calling procedure returns and control is passed back the user.

User response

Check the versions of all IBM Storage Protect Client products that communicate with each other and ensure that they are all at the same version, release, and level.

FMX0603S: File '*file-name*' could not be found, or it cannot be read.

Explanation

Common reasons for this error include:

- The default options file does not exist.
- The DSM_CONFIG (or DSMI_CONFIG if you are using the IBM Storage Protect Snapshot for Microsoft Exchange Server API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Storage Protect Snapshot for Microsoft Exchange Server client, but the option file you provided does not exist.

- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Storage Protect Snapshot for Microsoft Exchange Server client, but the configuration file that you provided does not have appropriate read permissions for the user that is running the operation.
- You specified the CONFIGFILE option when starting the IBM Storage Protect Snapshot for Microsoft Exchange Server client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the IBM Storage Protect Snapshot for Microsoft Exchange Server client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action

IBM Storage Protect Snapshot for Microsoft Exchange Server client processing stops.

User response

Make sure that the file you want to use exists, it has the read rights set for the user that is running the operation, and it is in the standard file encoding of the system. For example, on Windows the expected file encoding is ANSI. Review the configuration information in the IBM Storage Protect Snapshot for Microsoft Exchange Server client manual specific to your operating system. If the problem persists, ask your IBM Storage Protect Snapshot for Microsoft Exchange Server administrator for further assistance.

FMF0604E: The Backup you are mounting is not located on an SVC volume.

Explanation

Mounting with Snap Of A Snap is only supported with SVC volumes.

System action

Processing stopped.

User response

You may mount backups located as Read Only or Read Write with Snap Of A Snap disabled.

FMF0605E: The SVC Hardware Provider is not installed.

Explanation

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider.

System action

Processing stopped.

User response

Install the SVC Hardware Provider. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0606E: The SVC Hardware Provider is not at minimum level.

Explanation

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider version 4.12 or higher.

System action

Processing stopped.

User response

Install SVC Hardware Provider version 4.12 or higher. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0607E: The SVC VSS Hardware Provider has reported an error.**Explanation**

The SVC VSS Hardware Provider has reported an error.

System action

Processing stopped.

User response

See the SVC VSS Hardware Provider log for more details.

FMF0608E: The backup type is not a COPY backup type.**Explanation**

Only COPY or COPYFULL backup types maybe mounted read write when not useing the Snap Of A Snap feature

System action

Processing stopped.

User response

Enable the USESNAPOFASNAPTmount configuration option if you have a supported environemnt.

FMF0609E: The backup has been modified and cannot be restored.**Explanation**

When you mount COPY or COPYFULL type backups as read/write, the backup data is modified. A backup with modified data cannot be used for restore operations.

System action

Processing stopped.

User response

Use an alternative backup, one that has not been modified, for your restore operations.

FMX0649E: The disk provider does not support the snap of a snap feature. See more details in the VSS Requester error log file (baclient\dsmerror.log).

Explanation

You can use the snap of a snap feature only on SVC and Storwize systems.

System action

Processing ends.

User response

Reset the USESNAPOFASNAPTOMOUNT option to No in the Data Protection configuration file and set MOUNTRW=Yes to mount the read/write backup.

FMX0650E: The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

Explanation

The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

System action

Processing ends.

User response

Provide an existing empty folder, or a drive letter in case you mount a file system backup.

FMX1225E: The *command_stream* command is not supported without an IBM Storage Protect Snapshot license.

Explanation

To issue the command, a license for IBM Storage Protect Snapshot is required. If an IBM Storage Protect Snapshot license does not exist, the command is not supported.

System action

None.

User response

Install an IBM Storage Protect Snapshot license, then issue the command again.

FMX1226E: The local backup or clone cannot be deleted from current machine. It must be deleted from the machine where its snapshot was created.

Explanation

Delete operation failed because the snapshot information for the local backup or clone cannot be found in local machine.

System action

The operation stops.

User response

Delete the local backup or clone from the machine where its snapshot was created.

FMX1227E: Node '*nodename*' does not connect or register properly with IBM Storage Protect Snapshot Server.

Explanation

DSMAgent node cannot be connected or register properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that SSL is config correctly. If the error persists, contact your service representative.

FMX3528E: IBM Storage Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to back up or to restore using locally managed snapshots.

Explanation

Currently installed license allows to create and restore only TSM VSS backups. In order to create backups and to restore local VSS backups, IBM Storage Protect Snapshot for Exchange verifies that the Exchange Server supports VSS backup (that is, it is at least Exchange Server 2003), and that a valid fully-featured license for IBM Storage Protect Snapshot is installed.

System action

The operation stops.

User response

In order to create and restore local VSS backups it is required to purchase and install a fully-featured valid license for IBM Storage Protect Snapshot.

FMX5050I: A new configuration file has been created.

Explanation

The /configfile value specified a file name that does not exist. A new file has been created.

System action

Processing continues.

User response

None.

FMX5051I: The configuration file cannot be found, using default settings.

Explanation

The /configfile value specified a file that cannot be found. Default settings will be used.

System action

Processing continues using default settings.

User response

Ensure that the configuration file exists, and enter the command again.

FMX5052E: An error occurred trying to set the *preference* preference.

Explanation

An error occurred while writing to the preferences file.

System action

Processing ends.

User response

View any other messages that were displayed. Fix any of the problems indicated and enter the command again.

FMX5053E: The value for the *preference* preference is not valid. See the TDPEXCC HELP SET output or the User's Guide for valid SET command parameters.

Explanation

The preference being set is not valid.

System action

Processing ends.

User response

Run the "tdpexcc help set" command or see the User's Guide for valid SET command parameters.

FMX5054I: The preference has been set successfully.**Explanation**

The preference was set successfully.

System action

Processing ends.

User response

None

FMX5055E: The Microsoft Exchange API could not be loaded.**Explanation**

If running on Microsoft Exchange 5.5, the dll that is attempting to load is edbbcli.dll. If running on a later version of Microsoft Exchange, the dll that is attempting to load is esebcli2.dll.

System action

Processing ends.

User response

Ensure that the Microsoft Exchange Server has been correctly installed.

FMX5056I: The *logfile* log file could not be pruned. Processing will continue.**Explanation**

An attempt to prune the log was unsuccessful.

System action

Processing continues.

User response

Ensure that the log file name is valid and that the log file exists. If a valid log file name was specified, view the log for indications of what the problem may be.

FMX5057I: The *logfile* log file has been pruned successfully.**Explanation**

The specified log file was pruned successfully.

System action

Processing continues.

User response

None.

FMX5058W: The length of the log file name is greater than the maximum allowed. Processing will continue using a log file name of *logfile* in the current directory.

Explanation

The log file name entered was not fully qualified. When the fully qualified log file name was created, it was longer than the maximum allowed length for a log file name.

System action

Processing continues creating and using a log file in the current directory.

User response

Update the log file name using a fully qualified path.

FMX5059W: The *logfile* log file cannot be opened for writing. There will be no logging of events.

Explanation

The specified log file could not be opened for append and logging of events will not occur. The log file may be read-only or the log file name is not valid.

System action

Processing continues without logging.

User response

Determine why the log could not be opened. You may need to ensure that the log file is not read-only, or ensure that a valid drive or partition is specified in the log file name.

FMX5060E: A IBM Storage Protect Snapshot API error has occurred. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation

A IBM Storage Protect Snapshot API api error has occurred.

System action

Processing ends.

User response

Try the operation again. If the error persists, contact your service representative.

FMX5061E: A Microsoft Exchange api error has occurred.**Explanation**

A Microsoft Exchange api error has occurred.

System action

Processing ends.

User response

Try the operation again. If the error persists, contact your service representative.

FMX5062E: The version of Microsoft Exchange that is running is not a supported version for IBM Storage Protect Snapshot for Mail.**Explanation**

IBM Storage Protect Snapshot for Mail has detected a version of Microsoft Exchange Server that is not supported.

System action

Processing ends.

User response

Refer to the software requirements section of the product documentation to view a list of the supported versions of Microsoft Exchange Server. If the version of Microsoft Exchange Server running is a supported version, try the operation again. If the error persists, contact your service representative.

FMX5063E: An error occurred trying to get the Microsoft Exchange version information. It could be a problem with the registry. Or, a Microsoft Exchange Server is not installed on this machine.**Explanation**

An attempt was made to read the registry to determine the level of Microsoft Exchange that is currently running. This attempt failed.

System action

Processing ends.

User response

Determine if the registry has been corrupted. Also, ensure that the Microsoft Exchange Server is installed on this machine.

FMX5067E: The specified databases do not exist or have not been dismounted.

Explanation

The mailbox databases that were entered either do not exist on the Microsoft Exchange Server or have not been dismounted.

System action

Processing ends.

User response

Verify that the mailbox databases exist and that the databases have been dismounted before starting the restore.

FMX5068W: The database <database> does not exist in the storage group <storagegroup>.

Explanation

The database that was entered does not exist in the storage group that was entered.

System action

Processing ends.

User response

Enter the command again specifying a valid database name that exists in a valid storage group.

FMX5069W: The database <database> in the storage group <storage group> is not dismounted.

Explanation

While examining the list of databases to restore, it was determined that not all of the databases within the specified storage groups were dismounted.

System action

Processing continues skipping over the listed databases and storage groups.

User response

Ensure that the databases are dismounted and enter the command again.

FMX5070W: The Directory Service is not running. The Directory will not be backed up.

Explanation

A request was made to backup the Directory service. However, the Directory service needs to be running in order to do the backup.

System action

Processing ends.

User response

Start the Directory service and enter the backup command again.

FMX5072W: Database <component name> is dismounted -- skipping.**Explanation**

A request was made to back up a set of databases. However, some databases are not mounted. The databases need to be mounted for the backup to proceed.

System action

Processing continues, but the dismounted databases are skipped.

User response

Ensure that the database you want to back up is mounted.

FMX5073E: None of the databases are backed up.**Explanation**

The request to back up a set of databases could not be completed because at least one of the following conditions is true: 1) all of the databases are dismounted 2) a backup is in progress on another replica 3) a backup has been made more recently than specified by the /MINimumbackupinterval parameter

System action

Processing stops.

User response

Ensure that the database you want to back up is mounted, or another backup is not in progress, or change the /MINimumbackupinterval parameter.

FMX5074E: The databases entered do not exist, or were entered with the wrong capitalization.**Explanation**

A request was made to back up a set of databases that do not exist, or the database names might not have been entered using the correct capitalization.

System action

Processing stops.

User response

Check the capitalization and spelling of the databases and enter the backup command again.

FMX5087E: The PASSWORDACCESS parameter is set to GENERATE, but either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.

Explanation

The client options file has the PASSWORDACCESS option set to GENERATE. Currently, there is no password stored. An initial password must be stored.

System action

Processing stops.

User response

Enter the command again using the -TSMPassword option. After doing so, subsequent commands will not require a password.

FMX5140I: Database <database> does not exist - skipping.

Explanation

The database that was specified by the user is not found on this Exchange server.

System action

This database is skipped.

User response

Ensure that the database name is spelled correctly and enter the command again.

FMX5142E: The requested database was not found.

Explanation

The databases could not be found on this Microsoft Exchange server.

System action

Processing stops.

User response

Ensure that the database names are spelled correctly and enter the command again.

FMX5151W: The folder '*foldername*' cannot be deleted automatically from the '*mailboxname*' mailbox. The folder needs to be deleted manually. If the folder is not deleted, it will continue to consume storage space.

Explanation

The folder that needs to be deleted manually holds the temporary mailbox contents. The temporary mailbox has no size limit so the space usage varies.

System action

The mailbox is restored, but the temporary mailbox is not removed.

User response

You can delete the folder by using either the Outlook mail client or Outlook Web Access.

FMX5209I: There were no backups found that match the criteria specified.

Explanation

There are no database backups on the IBM Storage Protect Snapshot server for the specified server name. Some operations, such as mountRW operations, are only supported with local backups.

System action

Processing stops.

User response

None if there are no backups; otherwise, check your spelling and try again.

FMX5228I: The LOCALDSMAgentnode preference is not set correctly.

Explanation

IBM Storage Protect Snapshot for Exchange has not been configured to perform VSS operations. The LOCALDSMAgentnode preference is not set correctly.

System action

Processing stops.

User response

Ensure that the LOCALDSMAgentnode preference is set correctly. This preference can be set by running the configuration wizard.

FMX5229E: An error occurred while obtaining VSS information from the following Local DSMAgent Node: '*localdsmagentnode*'.

Explanation

IBM Storage Protect Snapshot for Exchange attempted to obtain VSS information through the specified LOCALDSMAgentnode, but failed. The specific error message encountered is also displayed.

System action

VSS information is not displayed.

User response

Refer to the error message displayed along with this message.

FMX5237E: Unable to communicate with the Microsoft Exchange Server.

Explanation

An attempt was made to communicate the with the Microsoft Exchange Server that was entered. This connection attempt failed.

System action

Processing stops.

User response

Ensure that the name of the Microsoft Exchange Server that was entered is valid. Also, ensure that the Microsoft Exchange Server is running and that the Exchange services are started.

FMX5239E: Unable to retrieve the component information.

Explanation

An attempt was made to retrieve the storage group or mailbox database information for the Microsoft Exchange Server. This attempt failed.

System action

Processing ends.

User response

Ensure that the Microsoft Exchange Server is running properly.

FMX5240E: Unable to retrieve database information.

Explanation

IBM Storage Protect Snapshot for Exchange tried to retrieve database information from Microsoft Exchange Server, but this attempt failed.

System action

Processing stops.

User response

Ensure that Microsoft Exchange Server is running properly.

FMX5241E: The Microsoft Exchange Information Store is currently not running.**Explanation**

IBM Storage Protect Snapshot for Exchange tried to retrieve information about the Microsoft Exchange Server Information Store, but this attempt failed.

System action

Processing stops.

User response

To retrieve the Microsoft Exchange Server information, the Microsoft Exchange Information Store must be running. Start or restart this service to get the requested information.

FMX5304E: Unable to open a Microsoft Exchange service to determine if it is running.**Explanation**

An attempt to open a service failed.

System action

Processing stops.

User response

Check your Microsoft Exchange services and ensure that they are running properly.

FMX5305E: Unable to query service information.**Explanation**

An attempt to query specific service information failed.

System action

Processing stops.

User response

Check your Microsoft Exchange services and ensure that they are running properly.

FMX5350E: An unknown Exchange error has occurred.**Explanation**

An Exchange error has occurred. The Windows Event Log may contain more information.

System action

Processing stops.

User response

If the Windows Event Log does not help resolve the problem, verify the Exchange Server installation and retry the operation.

FMX5351E: The Exchange server application is not registered for backup.**Explanation**

The Exchange server application must be registered for backup with the Windows Server. The Windows NT event log may contain more information.

System action

Processing ends.

User response

If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5352E: The Exchange server application is not registered for offline restore.**Explanation**

The Exchange server application must be registered for offline restore with the Windows Server. The Windows NT event log may contain more information.

System action

Processing ends.

User response

If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5353E: The Exchange server application is not registered for online restore.**Explanation**

The Exchange server application must be registered for online restore with the Windows Server. The Windows NT event log may contain more information.

System action

Processing ends.

User response

If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5354E: The database was not found.**Explanation**

The specified database name was not found.

System action

Processing ends.

User response

Verify the command input and retry the operation. If the error persists, contact your service representative.

FMX5355E: The database was not found. Ensure that the database exists and is spelled correctly with proper capitalization.**Explanation**

The specified database name was not found.

System action

Processing stops.

User response

Ensure that the database exists and is spelled correctly with proper capitalization, and retry the operation.

FMX5356E: The database file name is undefined.**Explanation**

Every Microsoft Exchange database must specify a database file name.

System action

Processing stops.

User response

Verify the database properties and retry the operation.

FMX5357W: The truncation of the transaction log failed.**Explanation**

The truncation of the transaction log failed.

System action

Processing continues.

User response

Refer to other messages that are displayed to determine the problem.

FMX5358E: A Microsoft Exchange API protocol error has occurred.**Explanation**

An unrecoverable Microsoft Exchange API protocol error has occurred.

System action

Processing ends.

User response

Contact your service representative.

FMX5359E: Unable to get the TEMP environment variable. Ensure that the environment variable is set and retry the operation.**Explanation**

An attempt was made to get the TEMP environment variable for this system. This attempt failed.

System action

Processing stops.

User response

Ensure that the environment variable is set and retry the operation.

FMX5360E: The /RECOVer=APPLYRESToredlogs option is not allowed during a partial restore.**Explanation**

A partial restore was requested with the /RECOVer=APPLYRESToredlogs option. The /RECOVer=APPLYRESToredlogs option is not allowed during a partial restore.

System action

Processing ends.

User response

Enter the command to restore the entire component or enter the command without the /RECOVer=APPLYRESToredlogs option.

FMX5361E: It is invalid to have an '*' within a database name.

Explanation

An attempt was made to backup a database that contains an '*'. It is invalid to have an '*' in a database name.

System action

Processing continues, but this database will not be backed up.

User response

Rename the database, otherwise this database cannot be backed up.

FMX5362W: The filespace <filespace> in an invalid filespace name.

Explanation

The filespace displayed in the message exists, but is an invalid filespace.

System action

Processing continues, but this filespace will not be used.

User response

Ensure that the database name does not contain invalid characters. Refer to the Microsoft Exchange documentation for the list of invalid characters.

FMX5363W: Storage Protect Snapshot Recovery Agent is either at an earlier level or not found. The VM backup data query or restore is not issued.

Explanation

Warning: To issue the VM backup data query or restore, update the software. Please upgrade it to support this feature.

System action

The command is ignored and processing continues.

User response

FMX5364W: The license for the Recovery Agent, part of the IBM Storage Protect for Virtual Environments, is either not valid or not found.

Explanation

Warning: Without a valid license for the Recovery Agent, you cannot use parts of Data Protection for Microsoft Exchange Server to recover Microsoft Exchange data from a VM backup.

System action

The software continues to run, but you cannot use Data Protection for Microsoft Exchange Server to recover Microsoft Exchange data from a VM backup.

User response

Verify that the correct license file is in the correct directory. If you use the installation wizard, the license file should be saved to the correct directory.

FMX5365W: Restoring from the VM backup is disabled. Restore actions are usually disabled because of license issues or code incompatibility issues.

Explanation

Warning: Until the problem is resolved, you can restore from the backups taken with IBM Storage Protect Snapshot for Exchange.

System action

Until the root cause is identified and the problem is resolved, the restore action is unavailable. After you fix the problem, a restart is not required.

User response

To identify the root cause, verify that the .lic file is in the correct path. If the .lic file is not the problem, check the versions of the code. If the recovery agent (client) code is not at the same level as the Data Protection for VMware and IBM Storage Protect Snapshot for Exchange software, the restore action is disabled. You can upgrade the recovery agent and retry the restore.

FMX5500E: The MultiByteToWideChar() function failed.

Explanation

An internal error occurred.

System action

Processing stops.

User response

Retry the operation.

FMX5501E: The WideCharToMultiByte() function failed.

Explanation

An internal error occurred.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMX5502E: The restore destination directory path needs to be fully-qualified. Enter the command again and specify a fully-qualified path for the /INTO option.

Explanation

The /INTO option was specified without a fully-qualified path.

System action

Processing stops.

User response

Enter the command again and specify a fully-qualified path for the /INTO option.

FMX5705W: An error was encountered with IBM Storage Protect Snapshot API initialization, rc = *returncode*. Examine the dserror.log for more information or determine if the Storage Protect Snapshot Client is installed properly.

Explanation

An attempt was made to run setup for the IBM Storage Protect Snapshot API. However, errors were encountered. The API is a component of the backup-archive client, which is also known as the VSS Requestor.

System action

Processing continues.

User response

Examine the dserror.log file to find out more information about the problem. If this file does not exist, it is possible that the Storage Protect Snapshot API is not installed properly. If this is the case, uninstall the Storage Protect Snapshot Client and re-run the configuration wizard.

FMX5706I: The *logfile_name* log file did not need pruning.

Explanation

The log file specified did not exceed the maximum log size and did not need to be pruned.

System action

The log file is not changed.

User response

The log file will automatically be pruned at a later date. If the log file is too large now, lower the number of days the log entries are retained.

FMX5798E: MS Exchange API *api name* failed with HRESULT: *api retcode*. Check the Windows Application Event log for more details.

Explanation

A Microsoft Exchange API error occurred during an operation. The specific API function that failed, along with the HRESULT code of the failure and possible message associated with that error, is displayed.

System action

Processing stops.

User response

If the Windows Event Log does not help to resolve the problem, stop and restart the Exchange Information Store and retry the operation.

FMX5800E: The backup is corrupt. See log file for additional information.

Explanation

When attempting to process an Exchange backup on the IBM Storage Protect Snapshot Server, not all required objects were present. The operation cannot proceed. The specific backup affected is logged.

System action

Processing stops.

User response

Retry the operation with a different backup.

FMX5805E: The restore failed. The file already exists. Delete the existing files or specify a different restore (/INTO) path.

Explanation

The specified file already exists in the restore (/INTO) path. The RESTOREFILES command is designed not to overwrite existing files.

System action

The restore operation fails and processing ends.

User response

If you want to restore the specified file, you must first delete the file that exists in the restore (/INTO) path and retry the operation or specify a different restore (/INTO) path and retry the operation.

FMX5811E: Invalid command. IBM Storage Protect Snapshot for Exchange invalid backup type for a VSS backup request. Supported types are full, copy, diff, and incr.

Explanation

An invalid backup type was specified on the VSS backup request. Refer to your IBM Storage Protect Snapshot for Exchange User's Guide for supported backup types.

System action

The backup operation is canceled.

User response

Retry the backup operation specifying a supported VSS backup type. Supported types are full, copy, diff, and incr.

FMX5814E: Invalid command. IBM Storage Protect Snapshot for Exchange does not support OFFLOAD with the combination specified for backup destination and version of Windows.

Explanation

The OFFLOAD option was specified with an unsupported backup destination. IBM Storage Protect Snapshot for Exchange only supports offload with a backup destination of TSM or if running on a Windows System 2008 or later, backup destination LOCAL, TSM or BOTH.

System action

The backup operation is canceled.

User response

Retry the VSS offloaded backup operation specifying a backup destination of TSM.

FMX5815E: The VSS operation failed with rc = *returncode*. Check the dsmerror.log file and the Windows Event log for more details. The VSS Provider logs might also contain more information.

Explanation

There was a failure when IBM Storage Protect Snapshot for Exchange performed the VSS operation.

System action

The VSS operation stops.

User response

Check the dsmerror.log file and the Windows Event log for more details. The VSS Provider logs might also contain more information. If problems persist, verify that the client acceptor is installed, configured, and running properly on the machine. If necessary, uninstall the Storage Protect Snapshot Client and re-run the configuration wizard to reinstall the client acceptor.

FMX5816E: IBM Storage Protect Snapshot for Exchange is not able to run VSS operations. You must be running Exchange Server 2010 or later.

Explanation

In order to perform VSS operations, IBM Storage Protect Snapshot for Exchange verifies that the Exchange Server level is at least Exchange Server 2010.

System action

The operation stops.

User response

Verify that the prerequisites identified above are met and retry the operation.

FMX5817E: Missing, blank, or invalid Local DSMAGENT Node Name is not allowed.

Explanation

To run VSS operations, IBM Storage Protect Snapshot for Exchange verifies that the Local DSMAGENT Node Name is specified and valid. This error indicates that the Local DSMAGENT Node Name is missing, blank, or invalid.

System action

Processing stops.

User response

Set the Local DSMAGENT Node Name to a valid value and retry the operation.

FMX5818E: Invalid command. IBM Storage Protect Snapshot for Exchange only supports restoring VSS backup types of full, copy, diff, and incr.

Explanation

An invalid backup type was specified on the VSS restore request. IBM Storage Protect Snapshot for Exchange supports restoring backups of type full, copy, diff, and incr.

System action

The restore operation is canceled.

User response

Retry the restore operation specifying a supported VSS backup type.

FMX5819E: Multiple backup objects were found for the specified components and backup destination. Use the /OBJECT= and /

BACKUPDESTINATION= options to identify which specific backup object to restore.

Explanation

The backup object specified for the VSS restore operation was not specific enough to be unique. More information is required to restore the correct backup object.

System action

The restore operation is canceled.

User response

Retry the restore operation specifying the /OBJECT= and /BACKUPDESTINATION= parameters.

FMX5820E: There were no Exchange backups found on the IBM Storage Protect Snapshot server matching the specified criteria.

Explanation

A query was issued to the IBM Storage Protect Snapshot server to find the IBM Storage Protect Snapshot for Exchange backups that match the specified search criteria. No backups were found.

System action

None.

User response

Retry the operation using different criteria.

FMX5821E: The command is not valid. IBM Storage Protect Snapshot for Exchange supports restoring the VMVSS FULL backup type.

Explanation

When the VMVSS restore request is entered, an invalid backup type is specified. The FULL backup type is supported with IBM Storage Protect Snapshot for Exchange restore backups.

System action

The restore operation is canceled.

User response

Start the restore operation after you specify a supported VMVSS backup type.

FMX5839E: Alternate or recovery database you are restoring to does not exist.

Explanation

The alternate or recovery database that was specified does not exist on the Microsoft Exchange Server.

System action

Processing stops.

User response

Verify that the target database exists and the database has been dismounted before retrying the restore.

FMX5843I: No backups were found for the database *<database>* that match the specifications entered. Check that the database name, backup destination, and OBJECT parameters are correct.

Explanation

No backups found for the specified database that match specified backup destination or OBJECT (if any).

System action

This database is skipped.

User response

Ensure that the database name is spelled correctly, backup destination and OBJECT (if any) are specified correctly and enter the command again.

FMX5901E: *mapi32.dll* does not exist. If necessary, reinstall the Microsoft MAPICDO download.

Explanation

The Messaging Application Programming Interface (MAPI) library *mapi32.dll* is required for mailbox restore operations.

System action

The mailbox restore operation fails.

User response

Verify that the *mapi32.dll* file is installed on the system. Run the command again.

FMX5902E: *mapi32.dll* has version *version.release*. Expected *expected version.expected release* or higher. Download and install the latest Microsoft MAPICDO download and retry the operation.

Explanation

The correct version of Messaging Application Programming Interface (MAPI) library *mapi32.dll* is required for mailbox restore operations.

System action

The mailbox restore operation has failed.

User response

Verify that the correct version of mapi32.dll is installed on the system. Run the command again.

FMX5906E: Loading the MAPI dynamic load library has failed. If necessary, reinstall the Microsoft MAPICDO download.**Explanation**

The mapi32.dll is required for mailbox restore operations.

System action

The mailbox restore operation fails.

User response

Verify that the mapi32.dll is installed on the system. Run the command again.

FMX5907E: Initializing the MAPI subsystem failed. Verify that the mapi32.dll is installed on the system and that MAPI is enabled for your mailboxes.**Explanation**

The MAPI subsystem is necessary for mailbox restore operations.

System action

Processing stops.

User response

Verify that the mapi32.dll is installed on the system and that MAPI is enabled for your mailboxes. Run the command again.

FMX5908E: Creating the MAPI profile has failed. Ensure that you have Organization Management privileges, and that you have an active mailbox.**Explanation**

MAPI requires a user with an active Exchange mailbox and Organization Management privileges to perform mailbox restore operations.

System action

Processing stops.

User response

Either log on as a user with Organization Management privileges, or add an active mailbox for the current user.

FMX5909E: The MAPI subsystem logon has failed. Check that you have an active mailbox and Organization Management privileges for this operation.

Explanation

Mailbox restore operations require a user with Organization Management privileges, and an active Exchange mailbox.

System action

Processing stops.

User response

Either log on as a user with Organization Management privileges, or add an active mailbox for the current user.

FMX5910E: Opening a MAPI mailbox has failed.

Explanation

IBM Storage Protect Snapshot for Exchange attempted to open a mailbox using MAPI, but the operation failed. The MAPI mailbox was not opened.

System action

Processing stops.

User response

The following causes are some of the more common causes of this error:

Mailbox does not exist Resolution: Create the necessary mailbox.

Mailbox has never been sent to or logged in to Resolution: Ensure that the mailbox is active by logging in to it or by sending at least one message to the mailbox.

Mailbox database is not mounted Resolution: Verify that the mailbox is mounted, and mount it if it isn't already mounted.

Insufficient privilege to access mailbox Resolution: Ensure that the administrative ID that you are using to restore data has the correct privileges, and has an active mailbox on the system. Microsoft Exchange 2003 requires Exchange Administrators and Local Administrators permissions, and Microsoft Exchange 2007 requires Exchange Organization Administrators, Local Administrators. Microsoft Exchange 2010 requires Organization Management and Local Administrators permissions to resolve this issue.

Exchange server where mailbox database is located is not available or down Resolution: Verify that access to Exchange Server using Exchange Management Console (Exchange 2007) or Exchange System Manager (Exchange 2003).

Microsoft Information Store service is not running Resolution: Verify that Microsoft Exchange Information Store service is running through computer management Services. Start the service if it is not running.

Microsoft Exchange System Attendant service is not running Resolution: Verify that Microsoft Exchange System Attendant service is running through computer management Services. Start the service if it is not running.

FMX5911E: The MAPI subsystem has experienced a network failure. Verify that you are accessing the correct Exchange server, and that the Exchange server has the Client Access Role installed. Also check that the /CLIENTACCESSSERVER parameter is correct.

Explanation

IBM Storage Protect Snapshot for Exchange tried to connect to Exchange, but experienced a network failure.

System action

Processing stops.

User response

Verify that you are accessing the correct Exchange server, and that the Exchange server has the Client Access Role installed. Also check that the /CLIENTACCESSSERVER parameter is correct.

FMX5912E: The MAPI subsystem has experienced a failure.

Explanation

The MAPI subsystem has experienced an unknown error.

System action

Processing stops.

User response

The problem is most likely a problem with the configuration of the recovery user's mailbox or the MAPI configuration on your system. Verify that both meet the requirements specified in your user documentation.

FMX5915W: Unable to obtain the Microsoft Exchange Server version running on your system. Microsoft Exchange 2013 is being assumed. Unexpected results may occur.

Explanation

An attempt was made to determine the level of Microsoft Exchange Server running on the current system. This attempt failed.

System action

Processing continues. However, unexpected results may occur.

User response

If the operation fails or produces unexpected results, verify that Microsoft Exchange Server is correctly installed on the system, and retry the operation.

FMX5917I: The mailbox history has been successfully updated on the Storage Protect Snapshot Server.

Explanation

The mailbox location history stored on the Storage Protect Snapshot Server was compared to the current mailbox location information in the Active Directory and updated accordingly. This operation is performed to help facilitate individual mailbox restore operations.

System action

None

User response

None

FMX5918W: The mailbox history did not update successfully on the Storage Protect Snapshot Server.

Explanation

An attempt was made to update the mailbox location history stored on the Storage Protect Snapshot Server. This operation is performed to help facilitate individual mailbox restore operations. Problems were encountered during the update attempt.

System action

The mailbox history is not updated, but processing continues.

User response

Verify the following:

- the Active Directory configuration
- the IBM Storage Protect Snapshot for Exchange node username and password
- the proxynode configuration on the Storage Protect Snapshot Server

FMX5921E: IBM Storage Protect Snapshot for Exchange requires a user with Organization Management privileges. For mailbox restores, the user must also have an active mailbox.

Explanation

Mailbox restore operations requires a user with Organization Management privileges, and an active Exchange mailbox.

System action

Processing stops. No mailboxes are restored.

User response

Either log on as a user with a mailbox that has Organization Management privileges, or add an active mailbox for the current user.

FMX5922E: The mailbox '*mailboxname*' was not found.

Explanation

The mailbox specified for the mailbox restore operation or the destination mailbox was not found in the Active Directory or in the mailbox history information stored on the Storage Protect Snapshot Server.

System action

The specified mailbox is not restored.

User response

Verify that the specified mailbox name is correct. Make sure that you are using the mailbox alias when specifying the mailbox name. After correcting the mailbox name, retry the mailbox restore operation. If this mailbox restore is for a deleted or moved mailbox, you might retry the mailbox restore operation using the 'MAILBOXOriglocation' option. Also, make sure that the database is restored into the recovery database properly.

FMX5923E: An unknown mailbox name was specified or the mailbox backup was not found in the recovery database. Verify that the mailbox name is correct. If the specified mailbox name is correct, verify that it has been successfully backed up.

Explanation

The mailboxes specified for the mailbox restore operation were not found in the Active Directory or in the mailbox history information stored on the Storage Protect Snapshot Server. If the specified mailboxes exist in Active Directory, then the database backup was not found.

System action

The specified mailboxes are not restored.

User response

Verify that the specified mailbox names are correct. Make sure that you are using the mailbox alias when specifying the mailbox names. After correcting the mailbox names, retry the mailbox restore operation. If this mailbox restore is for a deleted or moved mailbox, you might retry the mailbox restore operation using the 'MAILBOXOriglocation' option. Also, make sure that the database is restored into the recovery database properly. If specified mailbox name is correct, verify that it has been successfully backed up.

FMX5924E: There were no usable backups found.

Explanation

The mailbox restore operation failed because no usable backups were found.

System action

No mailboxes are restored.

User response

Verify that you have specified the correct TCPServeraddress and node name, and retry the operation.

FMX5929E: The Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is not installed. Download and install the latest Microsoft MAPICDO from the Microsoft website before running mailbox restore operations.

Explanation

Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is required for mailbox restore operations.

System action

The specified mailboxes are not restored.

User response

Verify that the Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is installed.

FMX5930E: The requested MAPI message service was not found.

Explanation

The MAPI message service was not found. This is most likely due to the service not being defined in your local MAPISVC.INF file.

System action

The mailbox restore operation has failed.

User response

Verify that the requested MAPI message service is defined in your local MAPISVC.INF file. If this error resulted from trying to restore to a Personal Folders (.pst) file, look for the section "MSPST MS" in this file. If it is not defined, add the message service to your MAPISVC.INF file and run the command again.

FMX5932E: The recovery database cannot be created because the TEMP environment variable is set to an invalid directory.

Explanation

The TEMP environment variable is set to an invalid directory.

System action

Processing stops.

User response

Verify that the TEMP environment variable points to valid and accessible directory and try again.

FMX5935W: The mailbox restore operation completed successfully; however not all of the mailbox items were restored. Run the mailbox

restore operation again on the mailboxes that reported partial completion, or use mailbox filters to restore a smaller subset of messages.

Explanation

The mailbox restore operation has only partially completed. The messages that were restored were restored correctly, but some items were not restored. This failure might be because there were too many items to restore in one operation.

System action

Processing stops.

User response

Run the mailbox restore operation again on the mailboxes that reported partial completion, or use mailbox filters to restore a smaller subset of messages.

FMX5948E: An attempt to query detailed managed capacity failed.

Explanation

System action

User response

FMX5972T: TDPEXCC RESTOREMailbox mailbox-name[,mailbox-name2,mailbox-name3,...] where mailbox-name can be: an alias or display name [/CLIENTACcessserver=client-access-server-name] (default: local Client Access Server) [/CONFIGfile=tdpexc.cfg|filename] (default: tdpexc.cfg) [/DAGNODE=nodename] [/EXCLUDEDUMPster] (default: No) [/FCMOPTFile=dsm.opt|filename] (default: dsm.opt) [/FROMArchive] [/KEEPRdb=Yes|No] (default: No) [/LOGFile=tdpexc.log|logfilefilename] (default: tdpexc.log) [/LOGPrune=60|n|No] (default: 60)

FMX5975E: A valid IBM Storage Protect Snapshot license file could not be located. Data protection operations to a IBM Storage Protect Snapshot virtual server are not allowed.

Explanation

To perform data protection operations to a IBM Storage Protect Snapshot virtual server, a valid license must be installed in the IBM Storage Protect Snapshot installation directory. This license file is named fcmclient.lic.

System action

Processing stops.

User response

Verify that the fcmclient.lic file is installed and retry the operation.

FMX5976E: A valid IBM Storage Protect Snapshot for Exchange license file could not be located. IBM Storage Protect Snapshot for Exchange is not licensed to run data protection operations to the IBM Storage Protect server. With the current licenses only data protection operations to a IBM Storage Protect Snapshot stand-alone server can be run. Use the configuration wizard to install or locate the proper license.

Explanation

To perform data protection operations to the IBM Storage Protect server, a valid license for IBM Storage Protect Snapshot for Exchange (called excclient.lic) must be installed. The license should be installed in the IBM Storage Protect Snapshot for Exchange installation directory.

System action

Processing stops.

User response

Use the configuration wizard to install or locate the proper license.

FMX5977E: The /BACKUPDESTINATION parameter cannot be 'TSM' when performing data protection operations using a IBM Storage Protect Snapshot stand-alone server.

Explanation

Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a IBM Storage Protect Snapshot stand-alone server. IBM Storage Protect Snapshot supports no other values for these parameters. It is not necessary to specify this parameter.

System action

Processing stops.

User response

Retry the command removing the /BACKUPDESTINATION parameter.

FMX5979I: Non-Unicode .pst files are not supported with this version of Microsoft Exchange. Instead, the mailbox is restored to a Unicode .pst file.

Explanation

Non-Unicode .pst files are not supported with version 2016 of Microsoft Exchange. The mailbox is automatically restored to a .pst Unicode file instead.

System action

Processing continues.

User response

No action is required.

FMX5980E: The mailbox filter options specified for the mailbox restore are not supported with this version of Microsoft Exchange.

Explanation

When restoring mailbox content, only the Folder Name mailbox filter option is supported with version 2016 of Microsoft Exchange.

System action

Processing stops.

User response

Specify a folder name as the mailbox filter and run the mailbox restore operation again.

FMX5981I: The mailbox was restored successfully. Removal of the temporary folder is in progress.

Explanation

After the mailbox is restored successfully, the temporary mailbox folder is automatically removed.

System action

Processing continues.

User response

No action is required.

FMX5982W: The mailbox was restored successfully. However, automatic removal of the temporary folder failed. You must remove the temporary folder located at '*location*' manually.

Explanation

Automatic removal of the temporary mailbox folder failed.

System action

Processing continues.

User response

Go to your temporary mailbox and remove the temporary folder manually.

FMX5983E: The MAPI subsystem has experienced a failure. There are not enough system resources to complete the selected operation.

Explanation

There are not enough system resources to complete the selected operation. The Windows Application Event log may contain more information.

System action

Processing stops.

User response

Ensure there are sufficient system resources and run the command again.

FMX5986I: Database <component> has circular logging enabled. Cannot perform incremental or differential backup - skipping.

Explanation

The database that was specified by the user has circular logging enabled. Incremental or differential backup is not possible.

System action

This database is skipped.

User response

Ensure that the database specified does not have circular logging enabled and run the command again if you want to perform incremental or differential backups.

FMX5987E: The TSMRDB recovery failed to return database to a consistent state because of the following error:<Error message>

Explanation

The recovery database is not in a clean shutdown state because of a file access error.

System action

The restore operation is stopped. Resolve the file access error before retrying the restore operation.

User response

When resolving this problem, do not delete or change any files or directories created by IBM Storage Protect software. Attempt to access the files and directories referred to in this message. Check the setting for the TSM MOUNT environment variable. If you update the value to correct a problem, restart the system to ensure that all IBM Storage Protect services are accessing the updated setting.

FMX5988W: The recovery agent CLI cannot dismount the VMVSS mount point:<Mount point>

Explanation

To debug the problem that caused the dismount failure, see the DSMERROR.LOG file. The product documentation also provides details that can help resolve the problem.

System action

The restore operation continues, but the VMVSS mount point remains on the system. Until the mount point is deleted, the subsequent recovery attempts will fail.

User response

Use one of the following recovery agent CLI commands to manually dismount the VMVSS mount point. Before you enter one of these commands, close any open files or directories on the mounted VMVSS mount point. If the recovery database TSMRDB exists, dismount and remove the database manually. (You can use the Exchange management shell commands to complete this task.) Sample recovery agent CLI commands to manually dismount the VMVSS mount point: RecoveryAgentShell.exe -c mount del -target everything
RecoveryAgentShell.exe -c mount del -target 'your_mount_point'

FMX5994E: IBM Storage Protect Snapshot for Exchange is only licensed to run data protection operations to the IBM Storage Protect server. It is not licensed to back up using locally managed snapshots.

Explanation

To back up using locally managed snapshots, a valid IBM Storage Protect Snapshot license is required.

System action

Processing stops.

User response

Change the backup destination to backup to the IBM Storage Protect server or obtain the products or licenses necessary to enable this feature

FMX6012W: The *database*; database has not been found on the Exchange Server. The database files will be restored. After the restore completes, you can recreate the database on the Exchange Server from the restored files.

Explanation

The database has not been found on the Exchange Server. The restore will continue to allow VSS writer to restore the database files.

System action

The restore operation continues, but only the files are restored.

User response

After the restore completes, you can recreate the database on the Exchange Server from the restored files.

FMX6027E: *mapi32.dll* has build version *build version*. Expected *expected build version* or higher.

Explanation

The correct build version of Messaging Application Programming Interface library mapi32.dll is required for mailbox restore operations.

System action

The mailbox restore operation has failed.

User response

Verify that the correct build version of mapi32.dll is installed on the system. Run the command again.

FMX6028W: *<database name>* is a DAG passive database not in Healthy state -- skipping.

Explanation

A request was made to back up a Database Availability Group (DAG) passive database. The DAG passive database is not in a Healthy state. In order to back up a DAG passive database, it must be in a Healthy state.

System action

Processing continues, but the specified database is skipped.

User response

Ensure that the DAG passive database is in a Healthy state and retry the backup operation.

FMX6029W: At least one item that has passive database copies was specified for restore. When restoring this type of database, care must be taken in handling the database copies. Consult the IBM Storage Protect Snapshot for Exchange documentation for details.

Explanation

When restoring a Database Availability Group (DAG) database, additional steps must be taken in order to suspend the database copy and update the database copy prior to bringing it online.

System action

None.

User response

Consult the IBM Storage Protect Snapshot for Exchange or Microsoft documentation for details.

FMX6030W: At least one item that has passive database copies was specified for restore. When restoring this type of database, care must be taken in handling the database copies. If you have not prepared the passive database copies for restore or are unsure of the necessary steps, please consult the IBM Storage Protect Snapshot for Exchange documentation for details. Do you want to continue with the restore operation?

Explanation

When restoring a Database Availability Group (DAG) database, additional steps must be taken in order to suspend the database copy and update the database copy prior to bringing it online.

System action

None.

User response

Consult the IBM Storage Protect Snapshot for Exchange or Microsoft documentation for details.

FMX6031I: Excluding <databaseType> database <databaseName> from backup list because of option <optionName>-- skipping.

Explanation

A backup command has been issued where the option /EXCLUDENONDAGDbs, /EXCLUDEDAGACTive, /EXCLUDEDAGPASSive, /MINimumbackupinterval or /PREFERDAGPASSive has been specified. The database has met the exclude option criteria and is skipped from backup.

System action

Processing continues, but the specified database is skipped.

User response

None.

FMX6032E: Cannot create the recovery database because there is an existing recovery database *recovery database name* on the Exchange Server.

Explanation

IBM Storage Protect Snapshot for Exchange cannot create the recovery database because there already is an existing recovery database on the Exchange Server.

System action

Processing stops.

User response

Remove the existing recovery database from the Exchange Server. Run the command again.

FMX6033E: The option /MOUNTDatabases=yes was specified without /RECOVer option.

Explanation

A restore command has been issued where the option /MOUNTDatabases=yes but the option /RECOVer was not specified. This is an invalid combination.

System action

Processing Stops

User response

Issue a restore command without /MOUNTDatabases=yes if you do not intent to apply logs.

FMX6038I: Excluding storage group <databaseName> from backup list -- skipping.

Explanation

A backup command has been issued where the option /EXCLUDESG has been specified. The storage group has met the exclude option criteria and will be skipped from backup.

System action

Processing continues, but the specified storage group is skipped.

User response

None.

FMX6039E: An error has occurred while mounting or dismounting a database.

Explanation

An error was detected while mounting or dismounting a database.

System action

Errors were detected while mounting or dismounting a database.

User response

Please check the Windows Event Log for any Exchange errors. If this was a mount problem during a restore, please verify the correct /RECOVer option value was used, and the correct sequence of the Exchange transaction logs. Please resolve any problems, and retry the operation. If the errors persist, contact your service representative.

FMX6040W: Component *<component>* requires a full backup. IBM Storage Protect Snapshot for Exchange can not perform an incremental or differential backup - skipping.

Explanation

The component that was specified by the user requires a full backup. An incremental or differential backup is not allowed until a full backup is performed. This situation can occur if a new storage group or database has been added and a full backup has not yet been performed.

System action

This component is skipped.

User response

Perform a full backup on the specified component as soon as possible.

FMX6041I: Skip LOCAL backups that are stored on remote servers.

Explanation

LOCAL type backups cannot be used for restore if they are stored on remote servers.

System action

Processing stops.

User response

Use the /OBJECT= and /BACKUPDESTINATION= options to identify another backup to restore.

FMX6046E: The *command_stream* command is not supported without an IBM Storage Protect Snapshot license.

Explanation

To issue the command, a license for IBM Storage Protect Snapshot is required. If an IBM Storage Protect Snapshot license does not exist, the command is not supported.

System action

None.

User response

Install an IBM Storage Protect Snapshot license, then issue the command again.

FMX6055W: Excluded item *<databaseName>* is not valid. It will be ignored.

Explanation

A backup command was issued with either the /EXCLUDESG or /EXCLUDEDB option. An item specified in the exclude statement is not a valid item. It will be ignored.

System action

A warning is displayed and processing continues.

User response

Correct the invalid item specified on the exclude option for future operations.

FMX6065E: The mount backup command failed. Verify that a valid mount point and backup is specified. For more information, see the dsmerror.log file.

Explanation

The mount backup command failed. The backup specified might be mounted. In addition, the drive to map to might be in use. The directory to contain the mount point directories for all snapshots needs to be an empty NTFS directory that does not contain hidden system files or directories.

System action

Processing stops.

User response

Check to make sure that the backup specified is not mounted and that the drive to map to is available. Repeat the command using an empty NTFS directory as the snapshots mount points directory.

FMX6066E: The UNMOUNT BACKup command failed. The specified backup might not be mounted. For more information, see the dsmerror.log file.

Explanation

The UNMOUNT BACKup command failed. The specified backup might not be mounted, or there may be a different error.

System action

Processing stops.

User response

Check to make sure that the backup specified is mounted. If so, see the dsmerror.log file and take the appropriate action.

FMX6067E: In the component list that is specified, the following object is not valid: '*object*'. Verify the volume and mount point names are correctly identified and spelled correctly.

Explanation

The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this

message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action

Processing stops.

User response

Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMX6068I: <databaseName> is being backed up by a different server -- skipping.

Explanation

A Database Availability Group (DAG) database is skipped from backup if another copy of the same database is being backed up by a different server.

System action

Processing continues, but the specified database is skipped.

User response

Check whether the database is being backed up by a different server. Also check that there is not another instance of tdpexcc.exe or other backup running.

FMX6076I: <databaseName> cannot be backed up because its 'BackupInProgress' flag is set to 'True'. Check whether the database is being backed up by a different server -- skipping.

Explanation

A Database Availability Group (DAG) database is skipped from backup if its 'BackupInProgress' flag is set to "True" by Exchange server.

System action

Processing continues, but the specified database is skipped.

User response

Check whether the database is being backed up by a different server. Also check that there is not another instance of tdpexcc.exe or other backup running.

FMX6080E: Conflict option:

Explanation

This message displays the command that was entered, up to and including the conflict option that was detected.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMX6081E: Missing, blank, or invalid REMOTEDSMAGENTnode is not allowed. Set the REMOTEDSMAGENTnode option to a valid value and retry the operation.

Explanation

In order to run VSS operations, IBM Storage Protect Snapshot for Exchange verifies that the Remote DSMAGENT Node Name is specified and valid. This error indicates that the Remote DSMAGENT Node Name is missing or blank. Also, the Remote DSMAGENT Node Name cannot be the same as the Local DSM Agent Node Name.

System action

Processing stops.

User response

Set the REMOTEDSMAGENTnode to a valid value and retry the operation.

FMX6082I: The following options are deprecated and will be ignored:
deprecatedOption

Explanation

The option you entered is deprecated. IBM Storage Protect Snapshot for Exchange ignores the option and processing continues.

System action

IBM Storage Protect Snapshot for Exchange ignores the option and processing continues.

User response

If appropriate, update your scripts to remove references to any deprecated options.

FMX6083W: Database <component name> is a recovery database -- skipping.

Explanation

A request was made to back up a set of databases. However, some databases are recovery databases. Recovery databases cannot be backed up.

System action

Processing continues, but the recovery databases are skipped.

User response

Do not specify recovery databases to be backed up.

FMX6086W: The following values for the mailboxfilter option are not supported and the options are ignored: *unsupportedfilter*

Explanation

The mailboxfilter option entered is not supported. IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

System action

IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

User response

Provide supported value for mailboxfilter option

FMX6087E: The mailbox '*mailboxname*' is ambiguous, multiple mailboxes were found.

Explanation

Multiple mailboxes are found for the specified display name or alias.

System action

Processing ends.

User response

Specify mailbox GUID for restore and try the operation again.

FMX6088W: IBM Storage Protect Snapshot attempted to delete the temporary folder '*foldername*' from temporary mailbox, but the operation was only partially successful. The remaining folder contents must be deleted manually.

Explanation

IBM Storage Protect Snapshot uses a temporary mail folder to perform some mailbox restore operations. After the operation completed, IBM Storage Protect Snapshot attempted to delete the temporary folder, but the operation only partially completed. This partial failure may be due to the size of the mailbox. The MAPI operation deleteFolder returned MAPI_W_PARTIAL_COMPLETION.

System action

The temporary folder is partially removed, and processing continues.

User response

Manually delete the temporary folder.

FMX6091W: The mailbox '*mailboxname*' was not found in the existing recovery database

Explanation

The parameter USEExistingrdb is set to YES, but the mailboxes that were specified for the mailbox restore operation are not found in the existing recovery database.

System action

The specified mailbox is not restored.

User response

Verify that the specified mailbox name is in existing recovery database.

FMX6092W: An mailbox name which was not found in the existing recovery database. Verify that the mailbox name is correct. If the specified mailbox name is correct, verify that it has been in existing recovery database.

Explanation

The mailboxes specified for the mailbox restore operation were not found in existing recovery database.

System action

The specified mailboxes are not restored.

User response

Verify that the specified mailbox name is in existing recovery database.

FMX6093T: Recovery database *recovery database name* exists on the Exchange Server...

Explanation

The /USEEXISTINGRDB value is YES. Restore the mailbox using the existing recovery database .

System action

Processing continues.

User response

no action needed.

FMX6094E: The option KEEPRdb is set to Yes, but the mailboxes are not in the same database.

Explanation

The option KEEPRdb is set to Yes, but the mailboxes are not in the same database.

System action

Processing ends.

User response

View any other messages that were displayed. Fix any of the problems indicated and enter the command again.

FMX6095T: There is no existing recovery database found...**Explanation**

The /USEEXISTINGRDB value is YES, but no existing recovery database found.

System action

Processing continues.

User response

no action needed.

FMX6096T: Existing recovery database *recovery database name* is being removed...**Explanation**

The /USEEXISTINGRDB value is NO. Remove the existing recovery database .

System action

Processing continues.

User response

no action needed.

FMX6098E: The restore destination is not valid for the public folder mailbox *mailboxname*. The mailbox is bypassed during restore processing.**Explanation**

The public folder mailbox must be restored to a public folder mailbox that is online on the Exchange Server. The public folder must be restored to an existing online public folder. And the online public folder must have the same folder path as the public folder to be restored. If you specify the MAILBOXRESTOREDESTination option when you restore a public folder mailbox, you must specify an online public folder mailbox as the target mailbox name, and do not specify a target folder name.

System action

Restore processing continues, but the mailbox is bypassed.

User response

Set the MAILBOXRESTOREDESTination to a valid value and retry the operation.

FMX6099W: The value for the mailboxfilter option is not supported for the public folder mailbox and the option is ignored: *unsupportedfilter*

Explanation

The mailboxfilter option that you entered is not supported for the public folder mailbox. IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

System action

IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

User response

Provide a supported value for the mailboxfilter option

FMX6100E: The archive mailbox '*mailboxname*' was not found.

Explanation

The archive mailbox specified for the mailbox restore operation was not found in the Active Directory or in the mailbox history information stored on the Storage Protect Snapshot Server.

System action

The specified archive mailbox is not restored.

User response

Verify that the specified mailbox name is correct. Make sure that you are using the mailbox alias when specifying the mailbox name. After correcting the mailbox name, retry the mailbox restore operation. Also, make sure that the database is restored into the recovery database properly.

FMX6101W: The value for the mailboxfilter option is not supported for the archive mailbox and the option is ignored: *unsupportedfilter*

Explanation

The mailboxfilter option that you entered is not supported for the archive mailbox. IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

System action

IBM Storage Protect Snapshot for Exchange ignores the filter and processing continues.

User response

Provide a supported value for the mailboxfilter option

FMX6102E: Archive mailbox GUID '*mailboxname*' is not valid as input if /FROMArchive is specified, or as mailbox restore destination.

Explanation

Archive mailbox GUID is not valid as input if /FROMArchive is specified, or as mailbox restore destination.

System action

The specified mailbox is not restored.

User response

Specify the primary mailbox GUID as input.

FMX6103W: A mailbox was not found in the recovery database. Verify that mailbox is valid and logon at least once.

Explanation

The mailboxes specified for the mailbox restore operation were not found in recovery database.

System action

The specified mailboxes are not restored.

User response

Verify that the specified mailbox name is valid and logon at least once.

FMX6104E: The option USEExistingrdb is set to Yes, but the existing recovery database is offline and cannot be mounted.

Explanation

The option USEExistingrdb is set to Yes, but the existing recovery database is offline and cannot be mounted.

System action

Processing ends.

User response

Check the integrity of the Recovery Database and try mounting it manually.

ANS6105E: The backup does not support restore the mailbox with /mountrw.

Explanation

The backup does not support restore the mailbox with /mountrw.

System action

The operation fails. Please restore the mailbox without the mountrw option.

User response

Please use normal restore method.

ANS6106I: The mount point is still existing on local machine, use this command to remove it manually TDPEXCC UNMOUNT BACKup *Remove-Mount-Command*

ANS6107E: The database "*db-name*" cannot be restored because the selected snapshot backup can only be used for mailbox restore operations.

Explanation

The selected snapshot backup is a Mailbox Restore Only type backup. It does not support database restore operations. A snapshot backup becomes a Mailbox Restore Only type backup after the backup is mounted using the /MOUNTRW=YES and /USESNAPOFASNAPTOMOUNT=NO options. During such mount operation, the snapshot backup is mounted with read-write access and the backup data is modified. A backup with modified data does not support database restore operations.

System action

Processing continues, but the database restore operation specified as a Mailbox Restore Only type backup is skipped.

User response

To restore the database, use an alternative backup that supports database restore operations.

ANS6108E: The mailbox restore operation failed. The local COPY backup is already mounted.

Explanation

The restore operation cannot overwrite an already-mounted backup.

System action

The restore operation fails and processing ends.

User response

To restore the mailbox with the /MOUNTRW option, unmount the already-mounted COPY backup, then run the mailbox restore command with the /MOUNTRW option again.

ANS6109E: The directory path specified for mounting the local COPY backup is not valid. Enter a valid directory path.

Explanation

The directory path specified as the mount point for the local COPY backup is not valid.

System action

The restore operation fails and processing ends.

User response

To restore the mailbox with the /MOUNTRW option, enter a valid directory path as the mount point for the local COPY backup, then run the mailbox restore command with the /MOUNTRW option again.

FMX6110W: IBM Storage Protect Snapshot for Exchange cannot unmount the backup on mount point:<Mount point>

Explanation

To debug the problem that caused the unmount failure, see the DSMERROR.LOG file.

System action

The restore operation continues, but the mount point remains on the system. Until the mount point is deleted, the subsequent restore attempts might fail.

User response

Check if the backup is mounted on the mount point. If so, unmount the mount point manually by running the UNMOUNT BACKup command.

FMX6111I: The /MOUNTRW option is ignored because the USEExistingRDB option is set to True and an existing Recovery Database (RDB) is found. Therefore, the existing RDB will be used for the mailbox restore.

FMX6112W: IBM Storage Protect Snapshot for Exchange cannot delete the directory path: <path> because the path is locked by another process. You must delete the path manually.

Explanation

The specified directory path is locked by another process, such as Microsoft Exchange Search Host Controller and cannot be deleted. To use a directory as a mount point, the directory must be empty and not locked by another process or the restore mailbox operation will fail.

System action

The current restore operation continues and the directory path remains on the system. However, until the path is deleted, subsequent mailbox restore operations will fail if you try to use the same mount point directory again.

User response

Delete the directory path manually before running any further mailbox restore operations.

FMX6113W: You have selected a read-write Mount operation. This operation will modify the contents of your original backup. The backup will be marked as Mailbox Restore Only and database restore operations will no longer be supported.

Explanation

A snapshot backup becomes a Mailbox Restore Only type backup after the backup is mounted using options /MOUNTRW=YES and /USESNAPOFASNAPTOMOUNT=NO. During such a mount operation, the snapshot backup is mounted with read-write access and the original backup data is modified. A backup with modified data does not support database restore operations

System action

The backup will be marked as a Mailbox Restore Only backup.

User response

Do not use the Mailbox Restore Only backup to perform database restore operations.

FMX6114W: The preference or preferences *preference list* that can be specified in the preference file *preference file name* are not valid for the current operation. Default values will be used instead.

Explanation

Some of the preference values specified in the configuration file are not valid for the current operation. Unless you specify valid corresponding options using the command line, default values will be used instead. Consult the Configuring or Reference information chapters of the Data Protection for Microsoft Exchange Server Installation and User's Guide for valid preference values.

System action

Processing continues.

User response

Check the configuration file and correct the preference values per those outlined in the Configuring or Reference information chapters of the Data Protection for Microsoft Exchange Server Installation and User's Guide.

FMY messages

Messages with prefix FMY are issued by the IBM Storage® Protect Snapshot for Microsoft™ SQL Server. IBM Storage® Protect Snapshot FMY messages are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMY messages: An internal processing error has occurred.

FMY0003S: An internal processing error has occurred.

Explanation

An internal processing error has occurred.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMY0004E: An unknown error has been detected.

Explanation

An internal processing error has occurred that prevents the generation of a message for a return code.

System action

Processing continues.

User response

Retry the operation. If this error persists, contact your service representative.

FMY0005E: Out of memory. Stop other processes and try the operation again.

Explanation

The machine has run out of memory.

System action

Processing continues.

User response

Close unnecessary processes and try the operation again.

FMY0053E: License file (*licensefile*) could not be opened.

Explanation

An attempt to read from the license file failed.

System action

Processing ends.

User response

Install the product again. This ensures that the correct license file is installed.

FMY0054E: Read failure on license file (*licensefile*).

Explanation

An attempt was made to read from the license file. This attempt failed.

System action

Processing ends.

User response

Reinstall the product. This will ensure that the correct license file is installed.

FMY0055E: Write failure on license file (*licensefile*).

Explanation

An attempt to write to the license file failed.

System action

Processing ends.

User response

Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMY0056E: Data in the license file (*licensefile*) is not in a valid format.

Explanation

An attempt to read information from the license file failed.

System action

Processing ends.

User response

Install the product again.

FMY0057E: The checksum in the license file (*licensefile*) does not match the license string text.

Explanation

An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action

Processing ends.

User response

Reinstall the product.

FMY0058E: The 'Try and Buy' license has expired.

Explanation

This 'Try and Buy' license that was detected has expired.

System action

Processing ends.

User response

This product is no longer valid for use. A valid license must be obtained before running the product.

FMY0100E: Incomplete command:

Explanation

This message displays the incomplete command that was entered.

System action

Processing ends.

User response

Re-enter the complete command.

FMY0101E: Invalid argument:

Explanation

This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMY0102E: Invalid command:**Explanation**

This message displays the invalid command that was entered.

System action

Processing ends.

User response

Re-enter a valid command.

FMY0103E: Invalid option for the specified command:**Explanation**

This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMY0104E: Invalid option:**Explanation**

This message displays the command that was entered, up to and including the invalid option that was detected.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMY0105E: Missing argument:**Explanation**

This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action

Processing ends.

User response

Re-enter the command specifying a valid argument for the command or option.

FMY0132W: Tracing could not be started. Processing will continue.**Explanation**

A problem prevented tracing from beginning.

System action

Processing will continue with the command entered.

User response

Refer to the other messages that display with this message to determine the problem.

FMY0133W: Could not locate installation directory. Attempting to continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client was installed. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMY0134W: Could not locate log directory. Processing will continue...**Explanation**

An attempt was made to read the registry to determine where the Data Protection application client log is located. This attempt failed.

System action

Processing will continue with the command entered.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMY0150I: Operation canceled by user.

Explanation

The user has requested the application client end by entering ctrl-C.

System action

Processing ends.

User response

None

FMY0151E: Errors occurred while processing the request.

Explanation

Attempting to process the request entered, an error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMY0152I: Performance stats: *seconds* seconds spent in *apicall* API calls

Explanation

The indicated number of seconds were spent making API calls for the indicated system.

System action

Processing continues.

User response

None

FMY0153I: Performance stats: *seconds* seconds spent in *function*

Explanation

The indicated number of seconds were spent the named function.

System action

Processing continues.

User response

None

FMY0154E: The Data Protection for Microsoft SQL Server application client cannot work with the version of the IBM Storage Protect Snapshot API you have installed. Please install version *version.release.level* or greater.

Explanation

The version of the IBM Storage Protect Snapshot API currently installed on the system is older than the version used to build the Data Protection for Microsoft SQL Server application client.

System action

Processing ends.

User response

Install a version of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

FMY0155E: The Data Protection for Microsoft SQL Server application client cannot work with the release of IBM Storage Protect Snapshot API you have installed. Please install release *version.release.level* or greater.

Explanation

The release of the IBM Storage Protect Snapshot API currently installed on the system is older than the release used to build the Data Protection for Microsoft SQL Server application client.

System action

Processing ends.

User response

Install a release of the IBM Storage Protect Snapshot API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

FMY0156E: Could not load the IBM Storage Protect Snapshot API.

Explanation

The IBM Storage Protect Snapshot API could not be loaded.

System action

Processing ends.

User response

Ensure the IBM Storage Protect Snapshot API is correctly installed. Run the Data Protection for Microsoft SQL Server application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the IBM Storage Protect Snapshot API, if this is the case.

FMY0160E: An authentication error occurred with your stored IBM Storage Protect Snapshot password.**Explanation**

You were unable to log on to the IBM Storage Protect Snapshot server due an authentication error.

System action

Processing stops.

User response

The stored IBM Storage Protect Snapshot password may have become corrupted. Contact your IBM Storage Protect Snapshot server administrator.

FMY0161E: Authentication error. The password entered is not valid. You are not logged on to the IBM Storage Protect Snapshot server.**Explanation**

An incorrect password was entered.

System action

Processing stops.

User response

Enter the correct IBM Storage Protect Snapshot password and try again.

FMY0162E: The passwords entered do not match. Please enter them again.**Explanation**

An incorrect password was entered.

System action

Processing stops.

User response

Enter the passwords again.

FMY0163E: The directory path needs to be fully-qualified.

Explanation

The /intopath option was specified without a fully-qualified path.

System action

Processing stops.

User response

Enter the command again and specify a fully-qualified path in the /intopath option.

FMY0167E: The fully-qualified file name is too long.

Explanation

An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMY0200E: File (*filename*) could not be opened for reading.

Explanation

An attempt was made to open a file for reading. This attempt failed.

System action

Processing ends.

User response

None

FMY0201E: File (*filename*) could not be opened for writing.

Explanation

An attempt was made to open a file for writing. This attempt failed.

System action

Processing ends.

User response

None

FMY0202E: Read failure on file (*filename*).

Explanation

An attempt was made to read from a file. This attempt failed.

System action

Processing ends.

User response

None

FMY0203E: Write failure on file (*filename*).

Explanation

An attempt was made to write to a file. This attempt failed.

System action

Processing ends.

User response

None

FMY0204E: File (*filename*) could not be closed.

Explanation

An attempt was made to close a file. This attempt failed.

System action

Processing ends.

User response

None

FMY0205E: File (*filename*) statistics could not be obtained.

Explanation

An attempt was made to obtain file statistics. This attempt failed.

System action

Processing ends.

User response

None

FMY0206E: Directory (*directory*) could not be created.

Explanation

An attempt was made to create a directory. This attempt failed.

System action

Processing ends.

User response

None

FMY0207E: Directory path (*directorypath*) is too long.

Explanation

An attempt was made to use a directory path that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMY0208E: There is not enough disk space for the operation attempted.

Explanation

An attempted operation required more disk space than was available. The attempt failed.

System action

Processing ends.

User response

None

FMY0209E: The rename of file (*filename1*) to (*filename2*) failed.

Explanation

An attempt was made to rename a file. This attempt failed.

System action

Processing ends.

User response

None

FMY0210E: The IBM Storage Protect Snapshot high level qualifier is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot high level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMY0211E: The IBM Storage Protect Snapshot low level qualifier is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot low level qualifier that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMY0212E: The IBM Storage Protect Snapshot filespace name is too long.

Explanation

An attempt was made to use a IBM Storage Protect Snapshot filespace name that was too long. This attempt failed.

System action

Processing ends.

User response

None

FMY0213E: The maximum number of objects allowed per IBM Storage Protect Snapshot transaction is too small.

Explanation

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server in a single transaction. The IBM Storage Protect Snapshot server has indicated that the

maximum number of objects allowed per transaction is less than the minimum required by the Data Protection for Microsoft SQL Server application client.

System action

Processing ends.

User response

Increase the maximum number of objects allowed per transaction on the IBM Storage Protect Snapshot server and retry the operation.

FMY0214E: The backup object's management class backup copy group does not exist.

Explanation

The IBM Storage Protect Snapshot server has indicated that the backup object's management class backup copy group does not exist.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMY0215E: All backup objects do not have the same management class backup copy destination.

Explanation

In order to maintain backup data integrity, multiple backup objects are sent to the IBM Storage Protect Snapshot server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action

Processing ends.

User response

Contact your IBM Storage Protect Snapshot server administrator.

FMY0216E: Unable to obtain space information for volume (*volumentname*).

Explanation

An attempt was made to obtain space information for a volume. This attempt failed.

System action

Processing ends.

User response

None

FMY0217E: The IBM Storage Protect Snapshot filespace name is invalid.**Explanation**

The filespace name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the filespace name length, characters, and directory delimiters are valid.

FMY0218E: The IBM Storage Protect Snapshot high level qualifier is invalid.**Explanation**

The high level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the high level qualifier name length, characters, and directory delimiters are valid.

FMY0219E: The IBM Storage Protect Snapshot low level qualifier is invalid.**Explanation**

The low level qualifier name or directory delimiter is invalid.

System action

Processing ends.

User response

Check that the low level qualifier name length, characters, and directory delimiters are valid.

FMY0256E: The password in your IBM Storage Protect Snapshot options file has expired. Please change your password on the IBM Storage Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.

Explanation

Your IBM Storage Protect Snapshot password has expired. You need to change your password.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot server; node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMY0257E: Your password has expired.

Explanation

Your IBM Storage Protect Snapshot password has expired. A new password needs to be obtained.

System action

Processing ends.

User response

Obtain a new password for your IBM Storage Protect Snapshot node using the change password command or by asking your IBM Storage Protect Snapshot administrator to change your password.

FMY0258E: You did not enter a valid password. Processing ends.

Explanation

The password that was entered was not a valid password.

System action

Processing ends.

User response

Re-enter the command specifying a valid password.

FMY0259E: The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation

The password you entered for verification of your new password does not match the new password that was entered.

System action

Processing ends.

User response

Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMY0260I: Password successfully changed.

Explanation

The change password command completed successfully

System action

Processing ends.

User response

None

FMY0261I: There are no backups for the server named *servername*.

Explanation

There are no backups on the IBM Storage Protect Snapshot server for the specified server name.

System action

Processing ends.

User response

None

FMY0262E: Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation

While attempting to process a VSS operation, an unexpected error occurred.

System action

Processing ends.

User response

Attempt to determine the source of the error by examining the IBM Storage Protect Snapshot for SQL Server log file, the client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the IBM Storage Protect Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMY0267E: The verify password entered does not match the new password entered.**Explanation**

The verify password does not match the new password.

System action

Processing ends.

User response

Retry the command with a matching verify password.

FMY0292E: An unknown error has been detected. rc = rc**Explanation**

An error occurred without an error message. The return code is displayed.

System action

Processing ends.

User response

Retry the operation. If this error persists, contact your service representative.

FMY0300E: Invalid restore type.**Explanation**

The type of restore requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid restore type.

FMY0301E: Invalid backup type.

Explanation

The type of backup requested is invalid.

System action

Processing ends.

User response

Re-enter the command specifying a valid backup type.

FMY0351E: Invalid trace keyword - '*keyword*'

Explanation

A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action

Client program did not initialize or tracing was not enabled in the applet.

User response

Correct the value.

FMY0368E: Invalid trace file name (name too long).

Explanation

A TRACEFILE option in the preferences files used a file name that is too long.

System action

Client program did not initialize.

User response

Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMY0383E: Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation

Trace file '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response

Specify the trace file location with the 'tracefile' option.

FMY0384E: Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response

Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMY0385E: Unable to delete symbolic link '*link*'.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

Processing stops.

User response

Delete the symbolic link '*linkname*'.

FMY0476E: *program-name*: cannot open file *file-spec*: error.

Explanation

Cannot open the file. The reason is given in the message.

System action

Cannot complete the requested operation.

User response

Retry the operation. If the problem continues, check with your system administrator.

FMY0480I: Temp object renamed (Filespace: "", HL: "", and LL: ').

Explanation

After a legacy backup operation, it might be a temp object remains on TSM server but for SQL Server this backup is successful already. Rename this temp object to have consistent backup.

System action

User response

No action is required.

FMY0487E: Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation

Error log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response

Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the '*errorlogname*' option and '*DSM_LOG*' environmental variable.

FMY0488E: Initialization functions cannot open the error log: *log-name*. *errno = errno-value*,

Explanation

The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location. If the reason is *errno = 13*, Permission denied, you have the following policy setting control enabled, User Account Control: Turn on Admin Approval Mode.

System action

Processing terminates.

User response

Set the *DSM_LOG* (or *DSMI_LOG*) environment variable to a directory into which the current user can write. You may also use the *ERRORLOGNAME* option to specify a file to which the current has write permission. If the reason is *errno = 13*, Permission denied, you should run the same operation in administrator mode.

FMY0495E: Failure writing to a IBM Storage Protect Snapshot log or log-related file: *file-name*, *errno = errno-value*, *reason*

Explanation

A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action

Processing terminates.

User response

Set the *DSM_LOG* (or *DSMI_LOG*) environment variable to a directory with adequate space to write the log data.

FMY0496I: Converting the *log-file* from continuous (pruning) mode to wrapping mode. This process may take several minutes.

Explanation

The *log-file* was previously in continuous mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMY0497I: IBM Storage Protect is converting the *log-file* from wrapping mode to continuous (pruning) mode. This process may take several minutes.

Explanation

The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMY0498I: *count* log records processed.

Explanation

This is just a progress report to let you know the process is still ongoing.

System action

Transition processing continues.

User response

None.

FMY0501E: Invalid Proxy Configuration Detected: Target Node '*targetnode*' is not listed as a valid node to proxy to for Node Name '*nodename*'.

Explanation

The proxy node configuration on the Storage Protect Snapshot Server is not correct to support this VSS operation.

System action

The VSS operation stops.

User response

Contact the Storage Protect Snapshot Server administrator to have the correct GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMY0515E: Invalid DSMAGENT Node configuration found for node '*dsmagentnode*'.

Explanation

The DSMAGENT Node specified is not configured properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that the client acceptor is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMY0516I: The Windows console event handler received a '*event*' console event.

Explanation

A console event was received by one of the Data Protection for Microsoft SQL Server processes or programs. The following events can be received:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action

None.

User response

None.

FMY0517I: An unexpected error was encountered. function name :
function-name **function :** *function-desc* **return code :** *TSM-rc* **file :**
file-name (line-number)

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMY0518E: Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation

A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action

The VSS restore operation stops.

User response

Retry the VSS restore operation specifying one backup object at a time.

FMY0519E: The VSS operation failed with rc = *returncode*.

Explanation

There was a failure when Storage Protect Snapshot performed the VSS operation.

System action

The VSS operation stops.

User response

Verify that the client acceptor is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

**FMY0520E: Failed to connect to Local DSMAGENT Node
'localdsmagentnode' at address:port 'address:portnumber'. Verify
that the client acceptor is installed, configured, and running properly.**

Explanation

An attempt was made to connect to the client acceptor running on the local machine. A communication error occurred when this connection was attempted.

System action

The operation stops.

User response

In order to perform VSS operations, you must have a client acceptor and a IBM Storage Protect Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the client acceptor must be running. Verify that the client acceptor is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

**FMY0521E: Pruning functions cannot open the prune files: *log-name*.
errno = *errno-value*,**

Explanation

The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another IBM Storage Protect Snapshot process started by different user id is performing pruning at the same time.

System action

Pruning stops, processing continues.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMY0522E: DIAG:

Explanation

The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action

None.

User response

None.

FMY0524S: Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation

There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action

Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response

If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMY0555E: Invalid number of snapshots:

Explanation

System action

Policy was not created.

User response

Specify a number in the range: range: 1...9999 or NOLimit

FMY0556E: Invalid number of days:

Explanation

System action

The Policy was not created.

User response

Specify a number in the range: range: 0...9999 or NOLimit

FMY0571E: The specified policy was not found: '*policy*'

Explanation

System action

User response

Please make sure that the specified policy exists.

FMY0572E: The specified policy already exists: '*policy*'

Explanation

System action

Policy was not created.

User response

Enter a different name for the policy.

FMY0573E: The specified policy could not be updated: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMY0574E: The specified policy could not be deleted: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMY0575E: The specified policy could not be created: '*policy*'

Explanation

This is due to a problem in virtual server database.

System action

Processing stops.

User response

Make sure that IBM Storage Protect Snapshot is configured correctly.

FMY0576I: There were no items found.

Explanation

The query completed successfully, but no results were found.

System action

None.

User response

Change the specified search criteria.

FMY0581E: One or more of the volume(s) *volume-list* could not be locked. See more details in the VSS Requester error log file (baclient\dsmerror.log).

Explanation

The system call to lock the volume(s) failed.

System action

Processing stopped.

User response

Please verify that no other application is accessing the volume(s). During restore of an image exclusive use of the volume is required.

FMY0583E: Invalid name of policy specified. Valid input characters include alphanumeric characters and underscore.

Explanation

System action

Policy was not created.

User response

Please specify a valid name.

FMY0585E: Unable to connect to the client acceptor.

Explanation

Possible causes of this message include: The client acceptor is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft SQL Server Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value.

System action

The VSS operation stops.

User response

Ensure that the client acceptor is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft SQL Server Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the operation.

FMY0588E: The value for the BACKUPDESTination option is not allowed. Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

Explanation

The value for the configuration option is not allowed. The only allowed value is TSM. Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a IBM Storage Protect Snapshot server. It is not licensed to backup or to restore locally managed snapshots.

System action

Processing ends.

User response

Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install IBM Storage Protect Snapshot.

FMY0589E: You are not allowed to set REMOTEDSMAGentnode option. Data Protection for Microsoft SQL Server is not licensed to perform offloaded VSS backups.

Explanation

The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMY0590E: A Data Protection communication error with the IBM Storage Protect Snapshot server has occurred.

Explanation

Communications with the IBM Storage Protect Snapshot server has been lost.

System action

The operation stops.

User response

Correct the TCP/IP communications error with the IBM Storage Protect Snapshot server and retry the operation.

FMY0591I: Communications with the IBM Storage Protect Snapshot server recovered.**Explanation**

Communications with the IBM Storage Protect Snapshot server has been successfully recovered.

System action

None.

User response

Continue with normal operations.

FMY0592E: The TCP/IP session with the IBM Storage Protect Snapshot server was canceled.**Explanation**

The TCP/IP session with the IBM Storage Protect Snapshot server was cancelled.

System action

The operation stops.

User response

Correct the reason the IBM Storage Protect Snapshot server administrator cancelled the session and retry the operation.

FMY0593E: Data Protection for Microsoft SQL Server is not licensed to perform offloaded VSS backups.**Explanation**

Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action

The operation stops.

User response

In order to perform offloaded VSS backups install a valid fully-featured license.

FMY0594E: You cannot perform offloaded VSS backups in a standalone configuration.

Explanation

OFFLOAD option is not available in a standalone configuration.

System action

The operation stops.

User response

In order to perform offloaded VSS backups you have to configure IBM Storage Protect Snapshot to manage snapshot backups using a IBM Storage Protect Snapshot server. To do this, you can use the configuration wizard.

FMY0595E: The options file '*optfile*' does not exist. It is required for proper operation.

Explanation

The specified IBM Storage Protect API options file could not be found. It is required in order to complete the command.

System action

Processing ends.

User response

Make sure to complete IBM Storage Protect Snapshot configuration and try the operation again.

FMY0598E: The application cannot run in safe mode.

Explanation

The application requires either Services or Drivers that are not available when running in safe mode.

System action

The application processing stops.

User response

Restart the system using the normal startup. When the system is started, run the application.

FMY0599E: The application cannot establish a remote PowerShell connection.

Explanation

The application attempted to establish a remote PowerShell connection. The operation failed.

System action

The application processing stops.

User response

Verify you are using the correct credentials. For more information, see the Microsoft [about_Remote_Troubleshooting](#) Help topic.

FMY0601E: There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.

Explanation

This problem occurs when either the local or remote PowerShell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action

Application processing stops.

User response

To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMY0602E: While attempting to communicate with the remote client, a version check reveals that the versions do not match.

Explanation

During initialization between the local client and the remote client, version checking reveals that the versions do not match. This is usually the result of an upgrade of one client module without upgrading other client modules that are part of product solution.

System action

The calling procedure returns and control is passed back the user.

User response

Check the versions of all IBM Storage Protect Client products that communicate with each other and ensure that they are all at the same version, release, and level.

FMY0603S: File '*file-name*' could not be found, or it cannot be read.

Explanation

Common reasons for this error include:

- The default options file does not exist.
- The DSMI_CONFIG (or DSMI_CONFIG if you are using the Data Protection for Microsoft SQL Server API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the Data Protection for Microsoft SQL Server client, but the option file you provided does not exist.

- You specified the TSMOPTFILE or FCMOPTFILE option when starting the Data Protection for Microsoft SQL Server client, but the configuration file that you provided does not have appropriate read permissions for the user that is running the operation.
- You specified the CONFIGFILE option when starting the Data Protection for Microsoft SQL Server client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the Data Protection for Microsoft SQL Server client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action

Data Protection for Microsoft SQL Server client processing stops.

User response

Make sure that the file you want to use exists, it has the read rights set for the user that is running the operation, and it is in the standard file encoding of the system. For example, on Windows the expected file encoding is ANSI. Review the configuration information in the Data Protection for Microsoft SQL Server client manual specific to your operating system. If the problem persists, ask your Data Protection for Microsoft SQL Server administrator for further assistance.

FMF0604E: The Backup you are mounting is not located on a SVC volume.

Explanation

Mounting with Snap Of A Snap is only supported with SVC volumes.

System action

Processing stopped.

User response

You may mount backups located as Read Only or Read Write with Snap Of A Snap disabled.

FMF0605E: The SVC Hardware Provider is not installed.

Explanation

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider.

System action

Processing stopped.

User response

Install the SVC Hardware Provider. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0606E: The SVC Hardware Provider is not at minimum level.

Explanation

Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider version 4.12 or higher.

System action

Processing stopped.

User response

Install SVC Hardware Provider version 4.12 or higher. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0607E: The SVC VSS Hardware Provider has reported an error.**Explanation**

The SVC VSS Hardware Provider has reported an error.

System action

Processing stopped.

User response

See the SVC VSS Hardware Provider log for more details.

FMF0608E: The backup type is not a COPY backup type.**Explanation**

Only COPY or COPYFULL backup types maybe mounted read write when not using the Snap Of A Snap feature

System action

Processing stopped.

User response

Enable the USESNAPOFASNAPTmount configuration option if you have a supported environment.

FMF0609E: The backup has been modified and cannot be restored.**Explanation**

When you mount COPY or COPYFULL type backups as read/write, the backup data is modified. A backup with modified data cannot be used for restore operations.

System action

Processing stopped.

User response

Use an alternative backup, one that has not been modified, for your restore operations.

FMY0649E: The disk provider does not support the snap of a snap feature. See more details in the VSS Requester error log file (baclient\dsmerror.log).

Explanation

You can use the snap of a snap feature only on SVC and Storwize systems.

System action

Processing ends.

User response

Reset the USESNAPOFASNAPTOMOUNT option to No in the Data Protection configuration file and set MOUNTRW=Yes to mount the read/write backup.

FMY0650E: The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

Explanation

The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

System action

Processing ends.

User response

Provide an existing empty folder, or a drive letter in case you mount a file system backup.

FMY1225E: The *command_stream* command is not supported without an IBM Storage Protect Snapshot license.

Explanation

To issue the command, a license for IBM Storage Protect Snapshot is required. If an IBM Storage Protect Snapshot license does not exist, the command is not supported.

System action

None.

User response

Install an IBM Storage Protect Snapshot license, then issue the command again.

FMY1226E: The local backup or clone cannot be deleted from current machine. It must be deleted from the machine where its snapshot was created.

Explanation

Delete operation failed because the snapshot information for the local backup or clone cannot be found in local machine.

System action

The operation stops.

User response

Delete the local backup or clone from the machine where its snapshot was created.

FMY1227E: Node '*nodename*' does not connect or register properly with IBM Storage Protect Snapshot Server.

Explanation

DSMAgent node cannot be connected or register properly.

System action

The VSS operation stops.

User response

Verify that the DSMAGENT Node specified is correct and that SSL is config correctly. If the error persists, contact your service representative.

FMY3000I: IBM Storage Protect Snapshot for SQL Server: Starting *backup type* backup of database *database name* from server *server name*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a backup is started.

System action

None

User response

None Centrally logged

FMY3001I: IBM Storage Protect Snapshot for SQL Server: *backup type* backup of database *database name* from server *server name* completed successfully.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a database backup completes successfully.

System action

None

User response

None Centrally logged

FMY3002E: IBM Storage Protect Snapshot for SQL Server: *backup type* backup of database *database name* from server *server name* failed, rc = *return code*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a database restore fails.

System action

None

User response

None Centrally logged

FMY3003I: IBM Storage Protect Snapshot for SQL Server: Starting *restore type* restore of backup object *object name* to database *database name* on server *server name*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a restore is started.

System action

None

User response

None Centrally logged

FMY3004I: IBM Storage Protect Snapshot for SQL Server: *restore type* restore of backup object *object name* to database *database name* on server *server name* completed successfully.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a database restore completes successfully.

System action

None

User response

None Centrally logged

FMY3005E: IBM Storage Protect Snapshot for SQL Server: *restore type* restore of backup object *object name* to database *database name* on server *server name* failed.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a database restore fails.

System action

None

User response

None Centrally logged

FMY3006I: IBM Storage Protect Snapshot for SQL Server: Starting backup for server *server name*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the start of a backup.

System action

None

User response

None Centrally logged

FMY3007I: IBM Storage Protect Snapshot for SQL Server: Backup of server *servername* is complete. Total SQL backups selected: *number selected* Total SQL backups attempted: *number attempted* Total SQL

backups completed: *number completed* Total SQL backups excluded: *number excluded* Throughput rate: *rate* Kb/Sec Total bytes transferred: *bytes* Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the end of a backup request.

System action

None

User response

None Centrally logged

FMY3008I: IBM Storage Protect Snapshot for SQL Server: Backup of server *servername* is complete. Total SQL backups selected: *number selected* Total SQL backups attempted: *number attempted* Total SQL backups completed: *number completed* Total SQL backups excluded: *number excluded* Total SQL backups inactivated: *number inactivated* Throughput rate: *rate* Kb/Sec Total bytes transferred: *bytes* Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the end of a backup request.

System action

None

User response

None Centrally logged

FMY3009I: IBM Storage Protect Snapshot for SQL Server: *backup type* backup of database *database name* from server *server name* canceled by user.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating that a backup request was canceled by the user.

System action

None

User response

None Centrally logged

FMY3010I: IBM Storage Protect Snapshot for SQL Server: Starting restore for server *servername*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the start of a restore.

System action

None

User response

None Centrally logged

FMY3011I: IBM Storage Protect Snapshot for SQL Server: Restore from server *server name* to server *server name* is complete. Total database backups inspected: *number inspected* Total database backups requested for restore: *number requested* Total database backups restored: *number restored* Total database skipped: *number skipped* Throughput rate: *rate* Kb/Sec Total bytes transferred: *bytes* Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the end of a restore.

System action

None

User response

None Centrally logged

FMY3012I: IBM Storage Protect Snapshot for SQL Server: *restore type* restore of backup object *object name* to database *database name* from server *server name* canceled by user.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating that a backup request was canceled by the user.

System action

None

User response

None Centrally logged

FMY3013I: IBM Storage Protect Snapshot for SQL Server: Starting Inactivate processing for backup objects from server *servername*

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when an inactivate process begins.

System action

None

User response

None Centrally logged

FMY3014I: IBM Storage Protect Snapshot for SQL Server: Inactivate processing complete Total database backups inspected: *number inspected* Total database backups requested for inactivation: *number requested* Total database backups inactivated: *number inactivated* Total database skipped: *number skipped* Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Server activity log to indicate the end of an inactivate command.

System action

None

User response

None

FMY3015I: IBM Storage Protect Snapshot for SQL Server: Inactivating *backup type backup backup object*.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when an inactivation of a backup object is started.

System action

None

User response

None Centrally logged

FMY3016I: IBM Storage Protect Snapshot for SQL Server: Database *database name* from server *server name* is excluded from *backup type* backup because it has a Simple Recovery model or it is a system master database.

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log when a Simple Recovery model database or a system master database is automatically excluded from a IBM Storage Protect Snapshot for SQL Server backup.

System action

None

User response

None Centrally logged

FMY3528E: Data Protection for Microsoft SQL Server is only licensed to run data protection operations to the IBM Storage Protect server. It is not licensed to backup or to restore using locally managed snapshots.

Explanation

Currently installed license allows to create and restore only VSS backups from TSM backup destination. In order to create backups and to restore local VSS backups, IBM Storage Protect Snapshot for SQL Server requires that a valid fully-featured license for IBM Storage Protect Snapshot is installed.

System action

The operation stops.

User response

In order to create and restore local VSS backups it is required to purchase and install a fully-featured valid license for IBM Storage Protect Snapshot.

FMY3532E: The restore destination directory path needs to be fully-qualified.

Explanation

The /relocatedir option was specified without a fully-qualified path.

System action

Processing stops.

User response

Enter the command again and specify a fully-qualified path in the /relocatedir option.

FMY4354E: SQL clone backup is not supported for the VSS System Provider snapshots.**Explanation**

Data Protection for Microsoft SQL Server cannot create a SQL clone backup because it requires a VSS hardware provider that can create transportable snapshots. This is because either the production database are stored on local volumes that use the system VSS provider, or, because the vssusesystemprovider option specifies to use the Windows system provider. The Data Protection for Microsoft SQL Server error log and Windows event log can contain additional information about this error.

System action

Data Protection for Microsoft SQL Server stops the operation.

User response

Move the production database on volumes that use a VSS hardware provider, and try the operation again.

FMY5050I: A new configuration file was created.**Explanation**

The file specified in the /configfile parameter does not exist. A new file was created.

System action

Processing continues.

User response

None.

FMY5051I: The configuration file cannot be found, using default settings.**Explanation**

The file specified in the /configfile parameter cannot be found.

System action

Processing continues.

User response

Ensure the correct file name is specified.

FMY5052E: An error occurred trying to set the requested configuration option.

Explanation

An error occurred while writing to the configuration file.

System action

Processing ends.

User response

View any other messages that were displayed. After reviewing the messages and performing necessary actions, run the command again.

FMY5053E: The value for the *option* option is not valid. See the TDPSQLC Help Set output or the User's Guide for valid Set command parameters.

Explanation

The configuration option being set is not valid.

System action

Processing ends.

User response

Run "TDPSQLC Help Set" or refer to the User's Guide for valid Set command parameters.

FMY5054I: The configuration option was set successfully.

Explanation

The configuration option specified on the Set command was set successfully.

System action

Processing ends.

User response

None

FMY5056I: The *logfile* log file could not be pruned. Processing will continue.

Explanation

An attempt to prune the log was unsuccessful.

System action

Processing continues.

User response

The log file may not exist. If the log file exists, view the log for indications of possible problems.

FMY5057I: The *logfile* log file was pruned successfully.**Explanation**

The log file mentioned pruned successfully.

System action

Processing continues.

User response

None.

FMY5058W: The logfile name is greater than the maximum allowed. Processing will continue using a logfile name of *logfile* in the current directory.**Explanation**

The logfile name entered was not fully qualified. When the fully qualified log file name was created, it was longer than the possible length of a log file.

System action

Processing continues by creating and using a log file in the current directory.

User response

Consider updating the log file name using a fully qualified path.

FMY5059W: The *logfile* log file cannot be opened for writing. There will be no logging of events.**Explanation**

The log mentioned could not be opened for appends. Therefore, no logging is performed.

System action

Processing continues without logging.

User response

Determine why the log file could not be opened. The log file may refer to a non-existent drive or partition, or the log file is marked read-only.

FMY5060E: A IBM Storage Protect Snapshot API error has occurred.

Explanation

A IBM Storage Protect Snapshot API error has occurred.

System action

Processing ends.

User response

Retry the operation. If the error persists, contact your service representative.

FMY5061E: A Microsoft SQL API error has occurred.

Explanation

A Microsoft SQL API error occurred.

System action

Processing ends.

User response

Retry the operation. If the error persists, contact your service representative.

FMY5063I: The *logfile_name* log file did not need pruning.

Explanation

The log file specified did not need to be pruned.

System action

Processing continues.

User response

The log file will automatically be pruned at a later date. If the log file is currently too large, decrease the number of days the log entries are retained.

FMY5064W: The *logfile_name* log file could not be opened for writing. The log was not pruned and there will be no logging of events.

Explanation

The log mentioned could not be opened for appends. Therefore, no logging or pruning is performed.

System action

Processing continues without logging and without pruning.

User response

Determine why the log file could not be opened. The log file may refer to a non-existent drive or partition, or the log file is marked read-only.

FMY5065E: The value specified for the /SQLUser option does not match the registry entry.

Explanation

A Backup, Restore or Query Sql command was issued with both the /SQLAUTHentication=SQLUserid and the /SQLUser option specified. An attempt was made to obtain the sqlpassword value from the registry but the user ID in the registry does not match the user ID specified with the /sqluser option.

System action

Processing ends.

User response

Issue the command and either specify the /sqluser value which matches the registry entry or specify the desired values for both the /sqluser and /sqlpassword options on the command.

FMY5091E: PASSWORDACCESS is Generate. Either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.

Explanation

The PASSWORDACCESS option is set to generate in the client options file. However, no password is stored. An initial password needs to be stored.

System action

Processing ends.

User response

Invoke the command again using the -TSMPassword option. Any subsequent commands should now complete without specifying a password.

FMY5097I: IBM Storage Protect Snapshot for SQL Server is not configured for VSS operations.

Explanation

IBM Storage Protect Snapshot for SQL Server has not been configured to perform VSS operations.

System action

None.

User response

In order to perform VSS operations, there must be a valid license installed for IBM Storage Protect Snapshot for SQL Server, and the IBM Storage Protect Snapshot for SQL Server LOCALDSMAGENTNODE preference must be correctly set. Refer to the IBM Storage Protect Snapshot for SQL Server User's Guide for details on configuring the client for VSS operations.

FMY5098E: Error obtaining VSS information from Local DSMAgent Node: 'localdsmagentnode'.

Explanation

IBM Storage Protect Snapshot for SQL Server attempted to obtain VSS information through the specified LOCALDSMAGENTNODE but failed. The error message encountered is also displayed.

System action

VSS information is not displayed.

User response

Refer to the error message displayed along with this message.

FMY5124E: Invalid command. IBM Storage Protect Snapshot for SQL Server only supports VSS backup type of FULL.

Explanation

An invalid backup type was specified on the VSS backup request. IBM Storage Protect Snapshot for SQL Server supports backup types of FULL when using the VSS backup method.

System action

The backup operation is canceled.

User response

Retry the backup operation specifying a supported VSS backup type.

FMY5125E: Invalid command. IBM Storage Protect Snapshot for SQL Server does not support OFFLOAD with the Legacy backup method.

Explanation

The OFFLOAD option was specified when using the Legacy backup method. IBM Storage Protect Snapshot for SQL Server does not support offload with the Legacy backup method. IBM Storage Protect Snapshot for SQL Server supports offload with the VSS backup method only.

System action

The backup operation is canceled.

User response

Retry the backup operation without specifying the offload option or by specifying the VSS backup method.

FMY5126E: Invalid command. IBM Storage Protect Snapshot for SQL Server only supports Legacy backups with a backup destination of TSM.

Explanation

An invalid backup destination was specified with the Legacy backup method. IBM Storage Protect Snapshot for SQL Server only supports a backup destination of TSM when using the Legacy backup method.

System action

The backup operation is canceled.

User response

Retry the backup operation specifying a backup destination of TSM.

FMY5127E: Invalid command. IBM Storage Protect Snapshot for SQL Server does not support OFFLOAD with the combination specified for backup destination and version of Windows.

Explanation

The OFFLOAD option was specified with an unsupported backup destination. IBM Storage Protect Snapshot for SQL Server only supports offload if the backup destination is TSM or BOTH.

System action

The backup operation is canceled.

User response

Retry the VSS offloaded backup operation specifying a backup destination of TSM or BOTH.

FMY5128E: The VSS operation failed with rc = *returncode*.

Explanation

There was a failure when IBM Storage Protect Snapshot for SQL Server performed the VSS operation.

System action

The VSS operation stops.

User response

Verify that the client acceptor is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMY5129E: IBM Storage Protect Snapshot for SQL Server is unable to run VSS operations. A valid license file for IBM Storage Protect Snapshot (fcmclient.lic) could not be located.

Explanation

In order to perform VSS operations, it is required that a valid license file for IBM Storage Protect Snapshot is installed in the IBM Storage Protect Snapshot installation directory.

System action

The operation stops.

User response

Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5170E: Missing, blank, or invalid Local DSMAGENT Node Name is not allowed.

Explanation

In order to run VSS operations, IBM Storage Protect Snapshot for SQL Server verifies that the Local DSMAGENT Node Name is specified and valid. This error indicates that the Local DSMAGENT Node Name is missing, blank, or invalid.

System action

The operation stops.

User response

Set the Local DSMAGENT Node Name to a valid value and retry the operation.

FMY5171E: Invalid command. IBM Storage Protect Snapshot for SQL Server only supports restoring VSS backup types of FULL and COPY.

Explanation

An invalid backup type was specified on the VSS restore request. IBM Storage Protect Snapshot for SQL Server supports restoring backups of type FULL and COPY.

System action

The restore operation is canceled.

User response

Retry the restore operation specifying a supported VSS backup type.

FMY5172E: Invalid command. IBM Storage Protect Snapshot for SQL Server VSS restore does not support RESTOREDATE and RESTORETIME options.

Explanation

An invalid option was specified on the VSS restore request. IBM Storage Protect Snapshot for SQL Server RESTOREDATE and RESTORETIME options are not supported for VSS restore.

System action

The restore operation is canceled.

User response

Retry the restore operation without specifying RESTOREDATE and RESTORETIME options.

FMY5186E: The VSS writer didn't return any selectable backup components for the specified database(s). Ensure that the SQL Server VSS writer service has been started.

Explanation

The SQL Server VSS writer service didn't return any selectable backup components for the specified database(s).

System action

Backup fails, processing ends.

User response

Ensure that the SQL Server VSS writer service has been started and that service start type is set to automatic.

FMY5188E: BOTH may not be specified for /BACKUPDESTINATION, only TSM or LOCAL are valid.

Explanation

The restore command only allows specifying backup destinations of TSM or LOCAL for identifying database(s) to restore.

System action

The restore operation is canceled.

User response

Retry the restore operation specifying TSM or LOCAL with /BACKUPDESTINATION parameters.

FMY5195I: IBM Storage Protect Snapshot for SQL Server: Backup of server *servername* enhanced statistics. Total SQL backups deduplicated: *number deduplicated* Throughput rate: *rate* Kb/Sec Total bytes

inspected: *bytes inspected* Total bytes transferred: *bytes* Total
LanFree bytes transferred: *lanfree bytes* Total bytes before
deduplication: *prededup bytes* Total bytes after deduplication:
postdedup bytes Data compressed by: *compression ratio%%*
Deduplication reduction: *deduplication ratio%%* Total data
reduction ratio: *reduction ratio%%* Elapsed processing time: *time*
Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log displaying additional statistics at the end of a backup request.

System action

None

User response

None Centrally logged

FMY5196I: IBM Storage Protect Snapshot for SQL Server: Backup of
server *servername* is complete. Total SQL backups selected: *number*
selected Total SQL backups attempted: *number attempted* Total SQL
backups completed: *number completed* Total SQL backups excluded:
number excluded Total SQL backups deduplicated: *number*
deduplicated Throughput rate: *rate* Kb/Sec Total bytes inspected:
bytes inspected Total bytes transferred: *bytes* Total LanFree bytes
transferred: *lanfree bytes* Total bytes before deduplication: *prededup*
bytes Total bytes after deduplication: *postdedup bytes* Data
compressed by: *compression ratio%%* Deduplication reduction:
deduplication ratio%% Total data reduction ratio: *reduction*
ratio%% Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the end of a backup request.

System action

None

User response

None Centrally logged

FMY5197I: IBM Storage Protect Snapshot for SQL Server: Restore from server *server name* to server *server name* is complete. Total database backups inspected: *number inspected* Total database backups requested for restore: *number requested* Total database backups restored: *number restored* Total database skipped: *number skipped* Throughput rate: *rate* Kb/Sec Total bytes transferred: *bytes* Total LanFree bytes transferred: *lanfree bytes* Elapsed processing time: *time* Secs

Explanation

This is an informational message written to the IBM Storage Protect Snapshot Server activity log indicating the end of a restore.

System action

None

User response

None Centrally logged

FMY5198W: WARNING: The LOG backup of the '*database*' database failed, however, the log may have been truncated. You should perform a FULL backup of the database.

Explanation

The LOG backup of the database failed, however, the log may have been truncated. You should perform a FULL backup of the database.

System action

Processing continues.

User response

You should perform a FULL backup of the database.

FMY5204E: None of the specified databases exist, or are available for backup.

Explanation

A request was made to backup databases which do not exist, or are not available.

System action

Processing ends.

User response

Ensure that all of the databases exist and are available, and restart the backup.

FMY5205E: The command is not valid. IBM Storage Protect Snapshot for SQL Server supports restoring the VMVSS FULL backup type.

Explanation

When the VMVSS restore request is entered, an invalid backup type is specified. The FULL backup type is supported with IBM Storage Protect Snapshot for SQL Server restore backups.

System action

The restore operation is canceled.

User response

Start the restore operation after you specify a supported VMVSS backup type.

FMY5400E: The Virtual Device Interface is not registered with the Common Object Model.

Explanation

The virtual device interface could not be created because it is not registered with the common object model. The SQL server may not be installed properly.

System action

Processing ends.

User response

Verify that the SQL server is installed properly and retry the operation. Contact your service representative if the error persists.

FMY5401E: The Virtual Device Interface could not be created.

Explanation

The Virtual Device Interface could not be created. The SQL Server Virtual Device Interface (VDI) log or Windows event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5402E: The Virtual Device Set could not be created.

Explanation

The Virtual Device Set could not be created. The SQL Server Virtual Device Interface (VDI) log or Windows event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5403E: The configuration of the Virtual Device Set could not be obtained.**Explanation**

The configuration of the Virtual Device Set could not be obtained. The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not help resolve the problem retry the operation. If the error persists, contact your service representative.

FMY5404E: The Virtual Device Set could not open a virtual device.**Explanation**

The Virtual Device Set could not open a virtual device. The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5405E: An unknown virtual device error has been detected.**Explanation**

A virtual device returned an unknown return code.\n" The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5406E: The SQL Server closed a virtual device prematurely.

Explanation

The SQL Server aborted the operation on the selected database. The SQL Server Virtual Device Interface (VDI) log, SQL server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5407E: The SQL Server aborted the operation.

Explanation

The SQL Server aborted the operation on the selected database. The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5421E: Received the following from the MS COM component: *SQL message*

Explanation

A SQL error has occurred.

System action

Processing for this operation ends.

User response

If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5422E: Received the following from the MS SQL server: *SQL message*

Explanation

A SQL error has occurred.

System action

Processing for this operation ends.

User response

If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5423E: The following string is too long: *string***Explanation**

A SQL error has occurred.

System action

Processing for this operation ends.

User response

If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5424E: Could not connect to SQL server; SQL server returned: *SQL message***Explanation**

A SQL error has occurred.

System action

Processing for this operation ends.

User response

If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5425E: The SQL server is not running: *SQL message***Explanation**

A SQL error has occurred.

System action

Processing for this operation ends.

User response

Start the SQL server and retry the operation.

FMY5426E: The SQL log on does not have the Sysadmin role: *SQL message*

Explanation

An attempt was made to logon to the SQL server but the specified logon name does not have the Sysadmin role.

System action

Processing for this operation ends.

User response

Try the operation again and specify either a log on name with the Sysadmin role or change the specified log on name to have the Sysadmin role.

FMY5428E: The SQL server is not on the local machine: *SQL message*

Explanation

An attempt was made to use the application client specifying a SQL server that was not on the local machine.

System action

Processing for this operation ends.

User response

Retry the operation on the machine where the SQL server resides.

FMY5429E: Could not obtain an event from SQL server: *SQL message*

Explanation

A SQL error has occurred.

System action

Processing for this operation ends.

User response

If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5430E: The SQL Server Name is blank or NULL.

Explanation

In the query to obtain the SQL Server Name, the system returned a blank name. A valid SQL Server Name is necessary to continue the operation.

System action

Processing for the current operation ends.

User response

Check the SQL Server Name by using the "select @@servername" command from the SQL Query Analyzer. If that returns NULL, use the "sp_addserver" stored procedure to set the SQL Server Name to the correct value. After setting the SQL Server Name, retry the operation. Contact your service representative if the error persists.

FMY5431E: Multiple dbnames are not allowed.

Explanation

An invalid RESTORE command was issued. It is not valid to specify multiple database names in the <dbname> parameter list when using the /STANDBY, /RELOCATE, or /INTO options.

System action

Processing ends.

User response

Enter the command again with a valid value in the positional parameter or option.

FMY5432E: Equal numbers of the /RELOCATE and /TO options must be specified.

Explanation

Unequal numbers of the /RELOCATE and /TO options were specified on a RESTORE command.

System action

Processing ends.

User response

Re-enter the command specifying the same number of /RELOCATE and /TO options.

FMY5433E: Wildcards are not allowed as part of the following parameters/options:

Explanation

This message displays the positional parameters and/or options that were specified incorrectly.

System action

Processing ends.

User response

Re-enter the command specifying the correct parameters and/or options.

FMY5434E: The following options cannot be specified together:

Explanation

This message displays the conflicting command options that were entered.

System action

Processing ends.

User response

Re-enter the command specifying valid command options.

FMY5435E: This command requires one of the following options:**Explanation**

This message displays the options that were missing from the command entered.

System action

Processing ends.

User response

Re-enter the command specifying one of the command options required by the command.

FMY5436E: A failure occurred on stripe number (*stripe number*), rc = *return code***Explanation**

A failure occurred on the numbered stripe.

System action

Processing ends.

User response

There should be other messages along with this one. Refer to the other messages to determine the problem.

FMY5450E: The specified number of stripes (*number of stripes*) is invalid. Processing will continue with the maximum number of stripes (*maximum number of stripes*).**Explanation**

An invalid number of stripes was specified.

System action

Processing continues utilizing the allowed maximum number of stripes.

User response

None

FMY5452E: Unable to delete temporary object: (*filesystem name*) (*high level qualifier*) (*low level qualifier*)

Explanation

When a backup fails, the IBM Storage Protect agent attempts to delete all temporary backup data objects from the Storage Protect Snapshot server. This message indicates that the specified temporary backup data object could not be deleted from the Storage Protect Snapshot server. This error is usually caused by the loss of all Storage Protect Snapshot server sessions.

System action

Processing continues.

User response

None. A backup of the database should detect the temporary backup data object and delete it from the Storage Protect Snapshot server.

FMY5453E: The number of Storage Protect Snapshot sessions (*number of sessions*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with the number of Storage Protect Snapshot sessions (*number of sessions*) as the number of stripes.

Explanation

An invalid number of Storage Protect Snapshot sessions was detected for the specified number of stripes. This message is caused by the circumvention of an internal error.

System action

Processing continues utilizing the number of Storage Protect Snapshot sessions as the number of stripes.

User response

Try the operation again. Contact your service representative if this error persists.

FMY5454E: The maximum number of objects allowed per Storage Protect Snapshot transaction (*number*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with *number* stripes.

Explanation

The maximum number of objects allowed per Storage Protect Snapshot transaction is invalid for the specified number of stripes for at least one of the Storage Protect Snapshot sessions. All Storage Protect Snapshot sessions must allow at least one more object per Storage Protect Snapshot transaction than the number of stripes

System action

Processing continues utilizing the new number of stripes.

User response

Reduce the number of stripes. You can also update the Storage Protect Snapshot server to increase the maximum number of logical files that a client can send to the server in a single transaction (TxnGrpMax).

FMY5455E: The backup is corrupt and can not be restored.

Explanation

The backup being restored is corrupt because the data object or objects found do not correspond to the metadata.

System action

Processing ends.

User response

Try the operation again. Contact your service representative if the error persists.

FMY5456W: The backup is corrupt and is not fully restorable. Processing will continue.

Explanation

The backup being restored is corrupt because the data object or objects found do not correspond to the metadata. Depending on the restore command and the backup type, a partial restore may be possible.

System action

Processing continues.

User response

Try the operation again. Contact your service representative if the error persists.

FMY5457E: An unknown SQL API error has occurred.

Explanation

A SQL API error has occurred but the associated error message could not be found. The SQL Server activity log, SQL Server error log, or Windows application event log may contain more information.

System action

Processing ends.

User response

If the SQL Server messages do not resolve the problem, try the operation again. Contact your service representative if the error persists.

FMY5458W: The Storage Protect Snapshot Server 'backup delete' setting for node (*server node name*) is set to NO. It should be set to YES for proper operation. Processing continues.

Explanation

The Storage Protect Snapshot Server setting that allows Storage Protect Snapshot clients to delete their own backups is set to NO for the specified node name. The backup delete value must be set to YES in order for cleanup operations to complete successfully. A NO value means that unusable residual data might be stored on the Storage Protect Snapshot Server.

System action

Processing continues.

User response

Make sure the 'backup delete' setting for the specified node name is set to YES on the Storage Protect Snapshot Server. Your Storage Protect Snapshot Server administrator can change this setting for your node. The setting can only be changed on the Storage Protect Snapshot Server.

FMY5459W: Database *object name* excluded from backup.

Explanation

The specified database was excluded from backup by the /EXCLUDEDB setting.

System action

Database isn't backed up.

User response

None.

FMY5460W: Database object *object name* doesn't exist or isn't valid.

Explanation

The specified backup object doesn't exist or isn't valid.

System action

Processing for this backup object ends.

User response

Make sure the specified backup object exists.

FMY5500E: The MultiByteToWideChar() function failed.

Explanation

This is an internal error that indicates corrupted storage.

System action

Processing for this database ends.

User response

Try the operation again. Contact your service representative if this error persists.

FMY5501E: The Common Object Model (COM) library failed to initialize.**Explanation**

The unsuccessful call was CoInitializeEx(NULL, COINIT_MULTITHREADED). OLE32.dll or another COM DLL may be missing, down-level, or corrupted.

System action

Processing for this database ends.

User response

Verify your Windows installation is complete and try the operation again. Contact your service representative if this error persists.

FMY5550I: There are no backups matching the filespec *directorypathfilename* and the server name *servername*.**Explanation**

There are no database backups on the IBM Storage Protect Snapshot server for the specified server name.

System action

Processing ends.

User response

None

FMY5551I: There are no backups matching the criteria specified for server name *servername*.**Explanation**

There are no database backups on the IBM Storage Protect Snapshot server matching the query criteria for the specified server name.

System action

Processing ends.

User response

Specify a broader range of search criteria when issuing this query.

FMY5552I: No matches were found for the criteria specified.

Explanation

The SQL Server was searched for databases that matched the specified criteria.

System action

Processing ends.

User response

Check the specified search criteria (database name, group name, logical filename). Enter the command again.

FMY5616W: Database cannot be backed up because its name contains '\', '?', '*', or ':' character(s).

Explanation

Databases whose names contain directory or volume separator cannot be backed up or restored.

System action

Database was excluded from backup.

User response

Rename the database and restart backup.

FMY5617I: Database was excluded from backup because database name contains '\', '?', ':' or '*' character(s).

Explanation

Databases whose names contain directory or volume separator cannot be backed up or restored.

System action

Database was excluded from backup.

User response

Rename the database and restart backup.

FMY5629E: No Backups have been selected for restore.

Explanation

The Restore button was pressed but nothing was selected in the tree or list view.

System action

Processing stops.

User response

Make a selection in the tree or list view and press the Restore button again.

FMY5630E: Backups from multiple Server instances have been selected for restore.**Explanation**

The Restore button was pressed and the user has selected backups from multiple server instances.

System action

Processing stops.

User response

Make a selection in the tree for backups belonging to the same server instance only

FMY5631E: Restoring full Legacy backups and full VSS backups in the same restore operation is not supported. Retry the restores in separate operations.**Explanation**

At least one VSS backup object and one Legacy backup object were selected for a restore in the same operation. This is not supported.

System action

The restore operation is canceled.

User response

Retry the restores specifying the Legacy backups and VSS backups in separate operations.

FMY5715E: Error writing *option_name* preference to the configuration file.**Explanation**

Could not write the specified preference to the configuration file.

System action

Preferences processing ends.

User response

Make sure you have a valid configuration file, then try to update the preference again.

FMY5716W: An error was encountered with IBM Storage Protect Snapshot API initialization, rc = *returncode*. Examine the dserror.log for

more information or determine if the Storage Protect Snapshot API is installed properly.

Explanation

Errors were encountered during an attempt to run setup for the IBM Storage Protect Snapshot API.

System action

Processing continues.

User response

Examine the dserror.log file to determine the problem. If this file does not exist, the Storage Protect Snapshot API may not be installed properly. If the Storage Protect Snapshot API is not installed properly, install the Storage Protect Snapshot API and run the command again.

FMY5717E: Unable to log on to the SQL server.

Explanation

An error occurred while trying to log on to the SQL server.

System action

If running the client from the command line, the client ends. If running the client from the GUI, a prompt is displayed to enter the SQL user ID and password, or to choose Windows authentication.

User response

Make sure the SQL server is running.

FMY5718I: When the view is refreshed all selections will be lost and an attempt will be made to expand the new tree to the currently highlighted item. Do you want to continue?

Explanation

The refresh toolbar button or pulldown menu item has been selected.

System action

Processing continues.

User response

Select Yes to refresh the view or select No to leave the current view unchanged.

FMY5719I: There are currently no backups on the Storage Protect Snapshot server.

Explanation

The SQL server name expansion button was pressed on the Inactivate page.

System action

Processing stops.

User response

Either nothing was backed up to a Storage Protect Snapshot server or all active backups were inactivated.

FMY5720I: No databases have been selected for backup.**Explanation**

The Backup button was pressed on the GUI but no databases were selected from the tree or list.

System action

Processing stops.

User response

Select a database and press the Backup button again.

FMY5721I: No backups have been selected for restore.**Explanation**

The restore button was pressed on the GUI but no backup objects were selected from the tree or list.

System action

Processing stops.

User response

Select a backup object and press the Restore button again.

FMY5722I: No backups have been selected for inactivate.**Explanation**

The Inactivate button was pressed on the GUI but no backup objects were selected from the tree or list.

System action

Processing stops.

User response

Select a backup object and press the Inactivate button again.

FMY5723E: A named mark must be specified.**Explanation**

The "Stop At Mark" or "Stop Before Mark" option was chosen but the named mark was not specified.

System action

Processing stops.

User response

Enter a named mark or choose the "Stop At" option.

FMY5770E: Cannot read the SQL Server version from Windows registry.**Explanation**

An attempt was made to read the SQL Server version for the provided server instance from the Windows registry. This attempt failed because the server name is not found in the registry.

System action

Processing for this operation ends.

User response

Provide an existing valid SQL Server instance.

FMY5784E: A log must be selected to use point in time.**Explanation**

A log must be selected before setting point in time parameters.

System action

Processing stops.

User response

Select at least one log for restore before specifying a point in time.

FMY5804I: Unable to get information. If data is backed up to tape check the "Wait for Tape Mounts for File Information" checkbox.**Explanation**

Processing stops.

System action

None

User response

Try checking the box specified in the message.

FMY5915E: An attempt to query detailed managed capacity failed.**Explanation**

System action

User response

FMY5958W: The selected database <> is offline -- skipping.

Explanation

A request was made to backup a database which is offline.

System action

Processing continues, but offline databases are skipped.

User response

Ensure that the selected databases are online and retry the backup.

FMY5959E: Unable to run data protection operations to a IBM Storage Protect Snapshot virtual server. A valid IBM Storage Protect Snapshot license file could not be located.

Explanation

In order to perform data protection operations to a IBM Storage Protect Snapshot virtual server, a valid license for IBM Storage Protect Snapshot must be installed in the IBM Storage Protect Snapshot installation directory. This license file is named fcmclient.lic.

System action

The operation stops.

User response

Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5960E: This product is not licensed to run data protection operations to the IBM Storage Protect Server. A valid license file for Data Protection for Microsoft SQL Server could not be located. With the current licenses only data protection operations to the IBM Storage Protect Snapshot virtual server can be run.

Explanation

In order to perform data protection operations to the IBM Storage Protect server, a valid license for Data Protection for Microsoft SQL Server (called sqlclient.lic) must be installed. The license file for Data Protection for Microsoft SQL Server should be installed in the installation directory of Data Protection for Microsoft SQL Server.

System action

The operation stops.

User response

Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5961E: The parameters /BACKUPMETHOD or /BACKUPDESTINATION or both are invalid when performing data protection operations using a IBM Storage Protect Snapshot virtual server.

Explanation

Data protection commands default to /BACKUPMETHOD=VSS and /BACKUPDESTINATION=LOCAL when performed against a IBM Storage Protect Snapshot virtual server. The IBM Storage Protect Snapshot supports no other values for these parameters. As a result it is no longer necessary to specify these parameters. For compatibility with other products values for /BACKUPMETHOD and /BACKUPDESTINATION can be specified as long as they are set to their only valid values. This means that /BACKUPMETHOD can only be set to VSS and /BACKUPDESTINATION can only be set to LOCAL.

System action

The operation stops.

User response

Retry the command removing the /BACKUPDESTINATION and /BACKUPMETHOD parameters.

FMY5965E: Database state does not allow log backup with TRUNCATE=YES.

Explanation

Database status is not Normal. Log has to be backed up with truncation turned off.

System action

The backup operation failed.

User response

Back up log with TRUNCATE=NO.

FMY5966E: Logical name was not found in the database.

Explanation

The logical name specified during relocation was not found in the database.

System action

Processing for this operation ends.

User response

Specify the correct logical name and retry the operation.

FMY5969E: Database state does not allow backup log tail.

Explanation

Database status is not Normal. By now we only support backup the tail of the log when database is not offline or damaged.

System action

The backup operation failed.

User response

Back up the tail of the log when database status is normal.

FMY6060I: No matched backup is found according to the Query conditions.

Explanation

Information: No matched backup is found in IBM Storage Protect Server according to the Query conditions.

System action

Processing continues.

User response

FMY6065E: Mount backup command failed. The mount point and / or backup specified is invalid. Please refer to dsmerror.log for further details.

Explanation

The mount backup command failed. The backup specified may already be mounted and or the drive to map to may already be in used. Check if the provided directory to contain the mount point directories for all snapshots is an empty NTFS directory without hidden or system files and / or directories.

System action

Processing stops.

User response

Check to make sure that the backup specified is not already mounted and that the drive to map to is available. Repeat the command using an empty NTFS directory as the snapshots mount points directory.

FMY6066E: Unmount backup command failed. Please refer to dsmerror.log for further details.

Explanation

The unmount backup command failed. The backup specified may not be mounted.

System action

Processing stops.

User response

Check to make sure that the backup specified is mounted.

FMY6067E: In the component list that is specified, the following object is not valid: '*object*'.

Explanation

The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action

The operation stops.

User response

Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMY6101I: Backup of database '*database name*' is bypassed because it is a secondary replica in an AlwaysOn Availability Group that is using Microsoft SQL Server Standard Edition.

Explanation

Backup processing bypasses the database on a secondary replica in an AlwaysOn Availability Group that is using Microsoft SQL Server Standard Edition.

System action

Backup processing continues but the database on a secondary replica in AAG that is using Microsoft SQL Server Standard Edition is skipped.

User response

Install SQL Server Enterprise Edition and retry the backup.

FMY6103I: AlwaysOnPriority is skipping the backup of *availability database name* because it is not on the preferred replica.

Explanation

When the AlwaysOnPriority option is specified SQL Server is queried to see if the current availability replica is the preferred replica. The backup of the availability database will only be performed on the preferred replica. The backup is skipped on all replicas that are not the primary replica.

System action

Processing for this backup object ends.

User response

No response is needed.

FMY6104I: Backup Type backup for database *database name* is not supported from none-readable secondary replica.

Explanation

Database on none-readable secondary replica only supports full backup and copyonly backup.

System action

Run the same backup from primary replica or readable secondary replica.

User response

Run the same backup from primary replica or readable secondary replica.

FMY6105I: Differential backup database *database name* from secondary replica is not supported. Exclude it for backup.

Explanation

Differential backup databases from secondary replica is not supported.

System action

Run the same backup from primary replica.

User response

Run the same backup from primary replica.

FMY6110W: Backup of database '*database name*' is bypassed because it is offline. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the offline database.

System action

Backup processing continues but the offline database is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6111I: Backup of database '*database name*' is bypassed because it is a database snapshot. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the database snapshot.

System action

Backup processing continues but the database snapshot is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6112W: Backup of database '*database name*' is bypassed because it is in restoring status. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the database with restoring status database.

System action

Backup processing continues but the database with restoring status database is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6113I: Backup of database '*database name*' is bypassed because it is a mirrored database. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the mirrored database.

System action

Backup processing continues but the mirrored database is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6114W: Backup bypassed some databases because of their status.

Explanation

Backup processing bypasses the offline, snapshot, mirrored, or with restoring state database.

System action

Backup processing continues but some databases are skipped.

User response

Ensure that the skipped databases are online, and retry the backup.

FMY6115I: Backup of database '*database name*' is bypassed because it is offline. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the offline database.

System action

Backup processing continues but the offline database is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6116I: Backup of database '*database name*' is bypassed because it is in restoring status. Database attributes are *database attributes*.

Explanation

Backup processing bypasses the database with restoring status database.

System action

Backup processing continues but the database with restoring status database is skipped.

User response

Ensure that the selected database is online or normal database and retry the backup.

FMY6117I: Actions were taken to fix the error messages FMY5436E and FMV0328E.

Explanation

This is an informational message to let you know that the merge error was fixed.

System action

None

User response

None

FMY6200W: The data center node is not correctly configured. To correct the problem, re-run the configuration wizard and set the datacenter node field with the node that was used to perform the VM backups.

Explanation

Warning: Because the data center node is not configured to match the query and restore conditions, this warning is reported.

System action

Processing continues, but the data center node configuration problem persists until you update the configuration.

User response

Run the IBM Storage Protect configuration wizard. If the status of the Configuring Recovery Agent rule does not indicate Passed, there is a configuration problem.

FMY6201W: The license for the Recovery Agent, part of the IBM Storage Protect for Virtual Environments, is either not valid or not found.

Explanation

Warning: Without a valid license for the Recovery Agent, you cannot use parts of Data Protection for Microsoft SQL Server to recover Microsoft SQL databases from a VM backup.

System action

The software continues to run, but you cannot use Data Protection for Microsoft SQL Server to recover Microsoft SQL databases from a VM backup.

User response

Verify that the correct license file is in the correct directory. If you use the installation wizard, the license file should be saved to the correct directory.

FMY6202W: Storage Protect Snapshot Recovery Agent is either at an earlier level or not found. The VM backup data query or restore is not issued.

Explanation

Warning: To issue the VM backup data query or restore, update the software. Please upgrade it to support this feature.

System action

The command is ignored and processing continues.

User response

FMY6203I: The tail-log backup of the database from the secondary replica is not supported. *databases name* is excluded from the backup process.

Explanation

Tail-log backups of databases from the secondary replica are not supported.

System action

The database backup operation is canceled.

User response

Run the backup from the primary replica.

FMY6204I: The tail-log backup of the *database name* database from the primary server removes the databases from the AAG. Do you want to continue? Enter 'Y' for Continue or 'N' to cancel.

Explanation

The tail-log backup of databases from the primary server removes databases from the AAG.

System action

If the database is not removed from the AAG, the SQL Server reports an error when completing the backup.

User response

To continue with the tail-log backup and remove database from the AAG, enter Y. To cancel, enter N.

FMY6205E: The *tdpsqlc* command that was entered exceeds the maximum length limit. The length limit of each option is 1790 characters.

Explanation

The length of *tdpsqlc* command is too long. It is invalid. When the length limit is exceeded, the command is ignored. There is no truncation.

System action

tdpsqlc command will fail with error. An error message is displayed. The command is not processed.

User response

Check the length of *tdpsqlc* options, especially check the length of multiple databases name. If possible, enter abbreviated parameters and options. If multiple database names are entered, the length of the database names can cause this error.

FMY6206W: Database " was excluded from backup because the database name contains special string ".

Explanation

There are certain characters and strings that conflict with IBM Storage Protect Snapshot for SQL Server backup operations. A database name that contained one of the special characters or strings was encountered during a backup operation. Therefore, it was excluded from the backup.

System action

The database was excluded from backup.

User response

Rename the database and retry the backup.

FMY6209W: Database *database name* is being backed up on non-readable secondary replica. A restore operation with the database files relocation is not possible for this backup.

Explanation

The information about database files cannot be retrieved on non-readable secondary replica, and is not available for the restore process. A restore operation with the database files relocation cannot be run for these backups.

System action

Processing continues.

User response

To restore database files with a new location, the backup must be taken on the primary or readable secondary replica.

FMY6210W: The backup for database *database name* does not contain information about database files. A restore operation is not possible for this backup.

Explanation

The information about database files cannot be retrieved from the backup.

System action

Processing continues.

User response

Check if the backup was taken on a non-readable secondary replica. If the restore operation with relocation fails, try restoring from a backup that was taken on a readable replica.

FMY6211E: The file cannot be restored. The directory paths specified as the target locations do not exist or are invalid.

Explanation

The file cannot be restored to a target location that is non-existent or invalid. The target directory paths specified for the /relocatedir parameter must exist on the server and be valid.

System action

Processing stops.

User response

Verify that the target directory paths specified for the /relocatedir parameter exist on the server and are specified correctly.

FMY6212I: Invalid objects (Filespace: ", HL: ", and LL: ') have been deactivated or not been found on the IBM Storage Protect Snapshot server.

Explanation

During the full backup operation, the system found invalid objects on the IBM Storage Protect Snapshot server as a result of a previous unsuccessful backup operation. When the full backup is complete, Data Protection for Microsoft SQL Server operations deactivate the invalid objects automatically.

System action

Data Protection for Microsoft SQL Server operations deactivate the invalid objects on the IBM Storage Protect Snapshot server automatically.

User response

No action is required.

FMY6213E: The version of the installed SQL Server instance is not supported.

Explanation

The version of the installed SQL Server is not supported.

System action

Processing for this operation ends.

User response

Upgrade SQL Server to a supported level. If you proceed without upgrading, then the SQL Server is not supported.

FMY6214W: The preference or preferences *preference list* that can be specified in the preference file *preference file name* are not valid for the current operation. Default values will be used instead.

Explanation

Some of the preference values specified in the configuration file are not valid for the current operation. Unless you specify valid corresponding options using the command line, default values will be used instead. Consult the Configuring or Reference information chapters of the Data Protection for Microsoft SQL Server Installation and User's Guide for valid preference values.

System action

Processing continues.

User response

Check the configuration file and correct the preference values per those outlined in the Configuring or Reference information chapters of the Data Protection for Microsoft SQL Server Installation and User's Guide.

FMY6215E: A RELOCATEDir option must be specified when restoring to an alternate SQL instance.

Explanation

A RELOCATEDir option must be specified. Restore to original location is not supported when restoring to an alternate SQL instance.

System action

Processing ends.

User response

Specify a RELOCATEDir value, then try the operation again.

FMV messages

Messages with prefix FMV are issued by the IBM Storage® Protect Snapshot Volume Shadow Copy Service (VSS) Requester. IBM Storage® Protect Snapshot FMV messages are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMV messages: Unable to open English message repository *file name*.

FMV0101E: Unable to open English message repository *file name*.

Explanation

The default English message repository file cannot be opened. Either the file access permissions prevent reading the file or the file is not present in the expected location.

System action

IBM Storage Protect is unable to complete the requested operation. Processing is terminated.

User response

Make sure the file in your DSM_DIR is set up properly. If the problem continues, see your system administrator for further help.

FMV0102W: Unable to open the message repository *file name*. The American English repository will be used instead.

Explanation

The default message repository file for the current locale cannot be opened. Either the file access permissions prevent reading the file, the file is not present in the expected location, or the language specified in the option file is not supported on this workstation.

System action

IBM Storage Protect continues processing using the English language message repository.

User response

Make sure the file in your DSM_DIR is set up properly. If the problem continues, see your system administrator for further help.

FMV0103E: Error trying to read header record from message repository *file name*.

Explanation

The message repository file header record cannot be obtained.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0105E: Error trying to read index for message *number* from repository *file name*.**Explanation**

The message text for the specified message number cannot be read.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0106E: Message index not found for message *number*.**Explanation**

The message repository file does not contain the message text for the message number.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the DSM_DIR is set up properly and it does not point to an old copy. If the problem continues, see your system administrator for further help.

FMV0107E: Error trying to read header for message *number* from repository *file name*.**Explanation**

The message header information cannot be obtained for the message number in the message file.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0108E: Error trying to read text for message *number* from repository *file name*.

Explanation

The message text cannot be obtained for the message number in the message file.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0109E: Insufficient memory for allocation of message structure.

Explanation

There is not enough memory in your system to allocate the storage needed for the message text.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Stop IBM Storage Protect and restart IBM Storage Protect. Then retry the operation. If unsuccessful, close all unneeded applications and retry the operation.

FMV0110E: Unable to open error log file *file name* for output.

Explanation

The error log cannot be opened for output.

System action

IBM Storage Protect is unable to complete the requested operation. File permissions may be set such that writing is not allowed.

User response

Stop and restart IBM Storage Protect. Then retry the operation. If unsuccessful, make sure the file is not being locked by another application and that file permissions allow write access.

FMV0113E: Message repository *file name* has an invalid control record.

Explanation

The message repository file contains an incorrect control information.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the message file was not altered from the installation. Check DSM_DIR to make sure it is set up properly.

FMV0118E: Unable to open schedule log file '*file name*' for output.

Explanation

The schedule log file cannot be opened for output.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Stop IBM Storage Protect and restart IBM Storage Protect. Then retry the operation. If unsuccessful, make sure the file has not been locked by another application.

FMV0119E: Error trying to read response string for message *number* from repository *file name*.

Explanation

The response string information for the message number cannot be obtained from the message repository file. It is possible the message repository has been corrupted.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Make sure the message file was not altered from the installation. Check DSM_DIR to make sure it is set up properly.

FMV0120E: Message number *number* contains an invalid multibyte sequence for the current locale.

Explanation

An illegal multibyte sequence for the current locale was found in the message. Either the message repository has been corrupted or is coded in a language other than that of the current locale.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

If the message repository is not corrupted, process the operation in the supported locale.

FMV0121W: Unable to open the iconv converter for the message repository *file name*. The American English repository will be used instead.

Explanation

The iconv converter for the default message repository for the current locale cannot be opened. The iconv converter used to convert from UTF-8 to the current locale is not installed on this work station.

System action

IBM Storage Protect continues processing using the English language message repository.

User response

Make sure the required iconv converter is installed properly. If the problem continues, see your system administrator for further help.

FMV0200E: The virtual machine '*VM-name*' was backed up with a later version of the backup-archive client.

Explanation

The virtual machine was backed up with a later version of the backup-archive client. The objects of the virtual machine backup that were retrieved cannot be correctly displayed.

System action

The backup information for the virtual machine will not be displayed.

User response

Query the virtual machine on a later version of the backup-archive client to view backup details. If a query of all virtual machines does not display virtual machines that were backed up at the same client version, issue the Query VM command for individual virtual machines.

FMV0201E: Invalid parameter was found.

Explanation

The system encountered an internal program error due to an invalid parameter.

System action

The system returns to the calling procedure.

User response

Ask your service representative to check the error log.

FMV0202E: Not authorized to restore the other node's data.

Explanation

The client is not authorized to restore the other node's data.

System action

The system returns to the calling procedure.

User response

Get authorization from the other node.

FMV0203E: The objName field has no leading directory separator.**Explanation**

The objName field does not have a leading directory separator.

System action

The system returns to the calling procedure.

User response

Correct the value for the objName.

FMV0204E: Wildcards are not allowed in the objName directory path.**Explanation**

Wildcards are not allowed in the objName directory path.

System action

The system returns to the calling procedure.

User response

Correct the value for the objName.

FMV0205E: Unable to open error log file.**Explanation**

The system is unable to open the error log file.

System action

The system returns to the calling procedure.

User response

Verify the DSMI_LOG value and access permission. On the AS/400 platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0206E: The log file cannot be written to.**Explanation**

There was an error writing to the log file.

System action

The system returns to the calling procedure.

User response

Verify the DSMI_LOG value and access permission. on the AS/400 platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0207E: The log file name was not specified.**Explanation**

The system is unable to open the error log file.

System action

The system returns to the calling procedure.

User response

Verify the DSMI_LOG value and access permission. On the AS/400 platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0208E: The TCP/IP WINSOCK.DLL file cannot be found.**Explanation**

The TCP/IP WINSOCK.DLL file cannot be found.

System action

Processing stopped.

User response

Verify your TCP/IP installation.

FMV0209E: An error occurred while loading a library.**Explanation**

An error occurred while loading a library. The TCP/IP DLL load failed.

System action

Processing stopped.

User response

Verify your TCP/IP installation.

FMV0210E: The TCP/IP load function failed.**Explanation**

An error occurred while locating a function. The TCP/IP load function failed.

System action

Processing stopped.

User response

Verify your TCP/IP installation.

FMV0211E: The object name pointer is NULL.**Explanation**

There is no value provided for the object name pointer.

System action

The system returns to the calling procedure.

User response

Provide an address for the dsmObjName structure.

FMV0212E: The data block pointer is NULL.**Explanation**

There is no value provided for the data block pointer.

System action

The system returns to the calling procedure.

User response

Provide an address for the DataBlk structure.

FMV0213E: The object attribute pointer is NULL.**Explanation**

There is no value provided for the object attribute pointer.

System action

The system returns to the calling procedure.

User response

Provide an address for the ObjAttr structure.

FMV0214E: There is no server session information.**Explanation**

The server did not respond with the session information.

System action

The system returns to the calling procedure.

User response

Verify the server status.

FMV0215E: There is no server policy information.**Explanation**

The server did not respond with the policy information.

System action

The system returns to the calling procedure.

User response

Verify the server policy definitions.

FMV0216E: The dataBlk bufferLen value is zero.**Explanation**

The value for the dataBlk bufferLen is zero.

System action

The system returns to the calling procedure.

User response

Provide a non-zero value for the bufferLen.

FMV0217E: The dataBlk bufferPtr is NULL.**Explanation**

There is no value provided for the dataBlk bufferPtr.

System action

The system returns to the calling procedure.

User response

Provide an address for the bufferPtr.

FMV0218E: The objType is invalid.**Explanation**

The value for the objType is invalid.

System action

The system returns to the calling procedure.

User response

The value for dsmObjName.objType must be:
DSM_OBJ_FILE or DSM_OBJ_DIRECTORY for Backup, or
DSM_OBJ_FILE for Archive.

FMV0219E: The dsmEndTxn vote is invalid.**Explanation**

The dsmEndTxn vote is invalid.

System action

The system returns to the calling procedure.

User response

The vote must be DSM_VOTE_COMMIT or DSM_VOTE_ABORT.

FMV0220E: An invalid option was found during option parsing.**Explanation**

An invalid option was found.

System action

The system returns to the calling procedure.

User response

Verify the options in dsm.opt, dsm.sys, and the options string. Check the error log for more details about the error. on the AS/400 platform, verify the options in *LIB/QOPTIBM Storage Protect(APIOPT).

FMV0221E: There was an error in the IBM Storage Protect API internals.**Explanation**

The system encountered an error in the API internals.

System action

The system returns to the calling procedure.

User response

Shut down the process and retry the operation. Verify that any previous dsmInit calls were cleaned up and terminated by a dsmTerminate call. If the problem continues, contact your system administrator or service representative.

FMV0222E: The repository type is invalid.

Explanation

The repository type is invalid.

System action

The system returns to the calling procedure.

User response

For dsmDeleteFS the repository must be one of the following:

- DSM_ARCHIVE_REP
- DSM_BACKUP_REP
- DSM_REPOS_ALL.

FMV0223E: Filespace name should start with the directory delimiter.

Explanation

The filespace name is invalid.

System action

The system returns to the calling procedure.

User response

Filespace name should start with the directory delimiter.

FMV0224E: The object name is either an empty string or has no leading delimiter.

Explanation

The object name is invalid because of an empty string or there is no leading delimiter.

System action

The system returns to the calling procedure.

User response

Verify the format of the dsmObjName full path.

FMV0225E: Low level qualifier of the object name should start with the directory delimiter.

Explanation

The low level qualifier for the object name is invalid.

System action

The system returns to the calling procedure.

User response

Start the low level qualifier of the object name with the directory delimiter.

FMV0226E: The object owner is invalid.**Explanation**

The object owner must be either the root user, or the object owner must be the same as the session owner.

System action

The system returns to the calling procedure.

User response

Verify the session owner and object owner.

FMV0227E: The dsmBindMC sendType is invalid.**Explanation**

The dsmBindMC sendType is invalid.

System action

The system returns to the calling procedure.

User response

The sendType must be one of the following:

- stBackup
- stArchive
- stBackupMountWait
- stArchiveMountWait

FMV0228E: The dsmSendObj sendType is invalid.**Explanation**

The dsmSendObj sendType is invalid.

System action

The system returns to the calling procedure.

User response

The sendType must be one of the following:

- stBackup
- stArchive
- stBackupMountWait
- stArchiveMountWait

FMV0229E: The dsmDeleteObj delType is invalid.

Explanation

The dsmDeleteObj delType is invalid.

System action

The system returns to the calling procedure.

User response

The delType must be dtBackup or dtArchive.

FMV0230E: The query Backup objState is invalid.

Explanation

The query Backup objState is invalid.

System action

The system returns to the calling procedure.

User response

The qryBackupData.objState must be one of the following:

DSM_ACTIVE

DSM_INACTIVE

DSM_ANY_MATCH

FMV0231E: The management class name was not found.

Explanation

A query or send operation is unable to find the management class name.

System action

The system returns to the calling procedure.

User response

Verify the management class name.

FMV0232E: The drive letter is not an alphabetic character.

Explanation

The drive letter is not an alphabetic character. This return code is valid on Microsoft Windows only.

System action

The system returns to the calling procedure.

User response

Verify that the drive designation is an alphabetic character. The referenced field is dsmDosFSAttrib.driveLetter.

FMV0233E: The Register Filespace name is NULL.**Explanation**

There is no value provided for the Register Filespace name.

System action

The system returns to the calling procedure.

User response

Provide a filespace name on dsmRegisterFS.

FMV0234E: The new password value is NULL or blank.**Explanation**

There is no value provided for new password.

System action

The system returns to the calling procedure.

User response

Provide a new password on dsmChangePW.

FMV0235E: The old password value is NULL or blank.**Explanation**

There is no value provided for old password.

System action

The system returns to the calling procedure.

User response

Provide an old password on dsmChangePW.

FMV0236E: On dsmInit, the owner is not allowed to establish a session when PASSWORDACCESS=generate.**Explanation**

PASSWORDACCESS=GENERATE establishes a session with the current login user as the owner. The application should set clientOwnerNameP to NULL when PASSWORDACCESS=GENERATE is in effect.

System action

The system returns to the calling procedure. Whether the application can continue processing depends on how the application handles the error.

User response

This message applies to applications that utilize the IBM Storage Protect API, and is intended primarily for the vendor of the application for which the message is issued. Depending on the application, this could be a configuration issue.

Consult the documentation for the application and verify that the application is configured correctly. If the problem persists, contact the application vendor for further assistance.

FMV0237E: On dsmInit, the node is not allowed when PASSWORDACCESS=generate.

Explanation

PASSWORDACCESS=generate establishes a session with the current hostname as the node.

System action

The system returns to the calling procedure.

User response

When using PASSWORDACCESS=generate, set clientNodeNameP to NULL.

FMV0238E: The sequence of calls is invalid.

Explanation

Then API requires function calls to be made in a specific sequence. The function calls were not made in the expected sequence. The error can be triggered by the following issues:

- An error in the network.
- A bug in the IBM Storage Protect API.
- A bug in the IBM Storage Protect server.
- A bug in the application (IBM Storage Protect or third party) that uses the IBM Storage Protect API.

System action

The system returns to the calling procedure.

User response

An end user can respond in the following ways:

- Check the network for errors.
- Look for clues in the IBM Storage Protect server activity log file, client side dsiererror.log log file, and log files that are specific to the problem application.
- Search the IBM Storage Protect support pages for APARs that match the problem. The support site is at https://www.ibm.com/mysupport/s/topic/OTO50000000IQWvGAO/storage-protect?language=en_US
- If the API application is developed by a third party (not IBM Storage Protect), search that third party's support pages for known issues that match the problem.

If none of the above actions resolve the problem, report the problem to the vendor of the application that uses the IBM Storage Protect API.

A developer of an application that uses the IBM Storage Protect API must investigate the reason for the problem, including reviewing the IBM Storage Protect API state diagram. The IBM Storage Protect API state diagram is in the product documentation at <https://www.ibm.com/docs/en/sps>

FMV0239E: On dsmSendObj, wildcards are not allowed for the objName.

Explanation

On dsmSendObj, wildcards are not allowed for the objName.

System action

The system returns to the calling procedure.

User response

Provide a fs, hl, and ll on the dsmObjName.

FMV0240E: The filespace to delete/set access cannot be found.

Explanation

The filespace to delete cannot be found.

System action

The system returns to the calling procedure.

User response

Verify the filespace name.

FMV0241E: On dsmSendObj, dsmDeleteObj, or dsmUpdateFS the filespace is not registered.

Explanation

On dsmSendObj, dsmDeleteObj, or dsmUpdateFS, the filespace is not registered.

System action

The system returns to the calling procedure.

User response

Verify the filespace name.

FMV0242W: On dsmRegisterFS the filespace is already registered.

Explanation

On dsmRegisterFS the filespace is already registered.

System action

The system returns to the calling procedure.

User response

Verify the filespace name.

FMV0243E: On dsmBeginGetData the objID is NULL.**Explanation**

On dsmBeginGetData, the objID is NULL.

System action

The system returns to the calling procedure.

User response

Verify the following:

- The dsmGetList is not NULL.

- Each objID is not NULL.

- The dsmGetList numObjId is not zero.

FMV0244E: On dsmInit, the caller API version is different than the IBM Storage Protect library version.**Explanation**

On dsmInit, the caller API version is later than the IBM Storage Protect library version.

System action

The system returns to the calling procedure.

User response

Install the latest IBM Storage Protect API library.

FMV0245E: The caller's structure version is different than the IBM Storage Protect library version.**Explanation**

The caller's structure version is different than the IBM Storage Protect library version.

System action

The system returns to the calling procedure.

User response

Ensure that the stVersion field is set with the value in the header file. Recompile the application with the latest header files.

FMV0246E: Issue dsmEndTxn and then begin a new transaction session.

Explanation

This transaction must be ended and a new one must be started due to one of the following reasons:

- The destination changed.
- The byte limit is exceeded
- The maximum number of objects is exceeded.

System action

The system returns to the calling procedure.

User response

Issue dsmEndTxn and start a new transaction session.

FMV0247E: The backup or archive object is excluded from processing.

Explanation

The backup or archive object is excluded from processing.

System action

The system returns to the calling procedure.

User response

Verify the objName and Exclude lists.

FMV0248E: The backup object does not have a copy group.

Explanation

The backup object does not have a copy group.

System action

The system returns to the calling procedure.

User response

Verify server policy definitions.

FMV0249E: The archive object does not have a copy group.

Explanation

The archive object does not have a copy group.

System action

The system returns to the calling procedure.

User response

Verify server policy definitions.

FMV0250E: Memory used by the IBM Storage Protect API has been corrupted.**Explanation**

Memory used by the IBM Storage Protect API has been corrupted.

System action

The system returns to the calling procedure.

User response

Retry the operation. If the problem continues, contact your system administrator or service representative.

FMV0251E: The sendObj Archive description is too long.**Explanation**

The sendObj Archive description is too long.

System action

The system returns to the calling procedure.

User response

The sndArchiveData.descr string must be less than or equal to DSM_MAX_DESCR_LENGTH.

FMV0252E: The sendObj ObjAttr.objInfo is too long.**Explanation**

The sendObj ObjAttr.objInfo is too long.

System action

The system returns to the calling procedure.

User response

The objInfo field must be less than or equal to DSM_MAX_OBJINFO_LENGTH.

FMV0253E: The sendObj dsmObjName.hl is too long.**Explanation**

The sendObj dsmObjName.hl is too long.

System action

The system returns to the calling procedure.

User response

The hl field must be less than or equal to DSM_MAX_HL_LENGTH.

FMV0254E: The password, or encryptionPassword string provided is too long.**Explanation**

The value provided for password or encryptionPassword is too long.

System action

The system returns to the calling procedure.

User response

The password or encryptionPassword field must be less than DSM_MAX_VERIFIER_LENGTH.

FMV0255E: The sendObj dsmObjName.fs is too long.**Explanation**

The sendObj dsmObjName.fs is too long.

System action

The system returns to the calling procedure.

User response

The fs field must be less than or equal to DSM_MAX_FS_LENGTH.

FMV0256E: The sendObj dsmObjName.ll is too long.**Explanation**

The sendObj dsmObjName.ll is too long.

System action

The system returns to the calling procedure.

User response

The ll field must be less than or equal to DSM_MAX_LL_LENGTH.

FMV0257E: On RegisterFS or UpdateFS the fsAttr's fsInfo is too long.**Explanation**

On RegisterFS or UpdateFS the fsAttr's fsInfo is too long.

System action

The system returns to the calling procedure.

User response

The fsInfo field must be less than or equal to DSM_MAX_FSINFO_LENGTH.

FMV0258I: On dsmGetNextQObj or dsmGetData there is more available data.**Explanation**

On dsmGetNextQObj or dsmGetData there is more available data.

System action

The system returns to the calling procedure.

User response

Call the function again.

FMV0259E: The dataBlk buffer is too small for the query response.**Explanation**

The dataBlk buffer is too small for the query response.

System action

The system returns to the calling procedure.

User response

On dsmGetNextQObj ensure that the dataBlk buffer is at least as big as the query response structure.

FMV0260E: An invalid option keyword was found during option parsing.**Explanation**

An invalid option keyword was found in the dsmInit configuration file, the option string, dsm.sys, or dsm.opt.

System action

The system returns to the calling procedure.

User response

Correct the spelling of the option keywords. Verify that the dsmInit configuration file only has a subset of the dsm.sys options. Check the error log for more details about the error.

FMV0261E: The configuration file specified on dsmInit cannot be opened.**Explanation**

The configuration file specified on dsmInit cannot be opened.

System action

The system returns to the calling procedure.

User response

Verify the file name.

FMV0262E: The Include/Exclude definition file was not found.**Explanation**

The Include/Exclude definition file was not found.

System action

The system returns to the calling procedure.

User response

Verify the file name on the Inclexcl option.

FMV0263E: Either the dsm.sys file was not found, or the Inclexcl file specified in dsm.sys was not found.**Explanation**

Either the dsm.sys file was not found, or the Inclexcl file specified in dsm.sys was not found.

System action

The system returns to the calling procedure.

User response

The dsm.sys file must be in the directory referenced by the environment variable DSMI_DIR. Verify the file name on the Inclexcl option in the dsm.sys file.

FMV0264E: Only a UNIX root user can execute dsmChangePW or dsmDeleteFS.**Explanation**

Only a UNIX root user can execute dsmChangePW or dsmDeleteFS.

System action

The system returns to the calling procedure.

User response

Run this program as a root user.

FMV0265E: You must issue dsmBindMC before dsmSendObj.

Explanation

You must issue dsmBindMC before dsmSendObj.

System action

The system returns to the calling procedure.

User response

Modify your program.

FMV0266I: The dsmEndTxn vote is ABORT, so check the reason field.

Explanation

After a dsmEndTxn call, the transaction is aborted by either the server or client with a DSM_VOTE_ABORT and the reason is returned.

System action

The system returns to the calling procedure.

User response

Check the reason field for the code which explains why the transaction has been aborted.

FMV0267E: Invalid command line option/value: '*option*'

Explanation

The *option* is not valid on this command line.

System action

Processing stops

User response

Verify that the option and value are not misspelled and are valid with the current command.

FMV0268E: Server problem: Destination not defined.

Explanation

Server problem: Destination not defined.

System action

Processing stopped.

User response

Have your service representative check the error log.

FMV0270S: The data buffer overflowed.

Explanation

The data buffer overflowed. This is a programming failure and the client program ends.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, contact your system administrator.

FMV0271E: No more files can be restored or retrieved since the destination directory is full.

Explanation

No more files can be restored or retrieved since the destination directory is full.

System action

Processing stopped.

User response

Free up disk space, or restore or retrieve the file to another disk.

FMV0272I: The operation is finished.

Explanation

The operation is finished.

System action

The system returns to the calling procedure.

User response

Proceed with next function call.

FMV0273E: The dsmtca execution/owner permissions are invalid.

Explanation

The dsmtca execution/owner permissions are invalid.

System action

Processing stopped.

User response

Have your system administrator check the installation instructions for the client to ensure that the dsmtca permissions are set correctly.

FMV0274S: Process killed.**Explanation**

Processing stopped. This is a programming failure and the client program ends.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, contact your system administrator.

FMV0275S: The dsmtca would block the operation.**Explanation**

The dsmtca blocks the operation. This is a programming failure and the client program ends.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, contact your system administrator.

FMV0276S: The area for the include/exclude pattern is too small.**Explanation**

The area for the include/exclude pattern is too small. This is a programming failure and the client program ends.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, contact your system administrator.

FMV0277S: There is no closing bracket in the pattern.**Explanation**

There is no closing bracket in the pattern. This is a programming failure and the client program ends.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, contact your system administrator.

FMV0278S: The transaction will be aborted.**Explanation**

The server encountered an error and will abort the transaction.

System action

The transaction will be aborted. The reason code is passed on the dsmEndTxn call.

User response

Issue the dsmEndTxn with a vote of DSM_VOTE_COMMIT and examine the reason code.

FMV0279I: A file was skipped during a restore operation because the file is off line and the application has chosen not to wait for a tape mount.**Explanation**

A file was skipped during a restore operation because the file is off line and the application has chosen not to wait for a tape mount.

System action

File skipped.

User response

Verify the application sets the mountWait value correctly on dsmBeginGetData.

FMV0280E: Unable to find the dsmtca module.**Explanation**

IBM Storage Protect was unable to find the dsmtca module in the specified directory.

System action

Processing ends.

User response

Make sure the dsmtca module is in the directory specified by DSMI_DIR.

FMV0282E: Password file is not available.**Explanation**

The file containing the stored password for the specified *server-name* is unavailable.

System action

Processing ends.

User response

The root user must set and store a new password.

FMV0283E: High level qualifier of the object name should start with the directory delimiter.**Explanation**

The high level qualifier for the object name is invalid.

System action

The system returns to the calling procedure.

User response

High level qualifier of the object name should start with the directory delimiter.

FMV0284E: The number of objects on dsmBeginGetData exceeds DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ.**Explanation**

The number of objects (numObjId) specified on the dsmBeginGetData call exceeds DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ.

System action

The system returns to the calling procedure.

User response

Check the number of objects before calling dsmBeginGetData. If it is greater than DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ, then issue multiple Get call sequences.

FMV0285E: The update action is invalid.**Explanation**

The dsmUpdateFS or dsmUpdateObj action is invalid.

System action

The system returns to the calling procedure.

User response

Correct the action value. Valid values are defined in dsmapitd.h and documented in our Using the API book.

FMV0286E: The key file is missing.

Explanation

The key file for Data Protection for Oracle cannot be found.

System action

The system returns to the calling procedure.

User response

Ensure that you have ordered the Data Protection for Oracle, and install the key file.

FMV0287E: The key file content is invalid.

Explanation

The key file content for Data Protection for Oracle is invalid.

System action

The system returns to the calling procedure.

User response

Ensure that you have ordered the Data Protection for Oracle, and install the key file.

FMV0296I: Encryption key passwords are not the same. Please try again...

Explanation

Encryption key passwords do not match.

System action

You are prompted for the encryption key password.

User response

Enter the correct encryption key password.

FMV0297E: Error opening specified file.

Explanation

The specified file could not be located or opened.

System action

Attempts to open file failed.

User response

Make sure the file exists.

FMV0298E: Session Rejected: The specified user id is currently locked

Explanation

The user id you specified is currently locked on the server.

System action

Session was not started.

User response

Check with your system administrator to find out why your user id is locked.

FMV0299E: Scheduler cannot be started manually because the value of MANAGEDSERVICES option is SCHEDULE.

Explanation

if MANAGEDSERVICES SCHEDULE is indicated in the option file, the IBM Storage Protect scheduler cannot be started in the traditional manner.

System action

Scheduler stopped.

User response

If you are not going to use dsmscd to manage the schedule anymore, stop dsmscd and remove MANAGEDSERVICES option from the option file.

FMV0302I: Successfully done.

Explanation

The operation successfully completed.

System action

None.

User response

None.

FMV0304E: The password is too short.

Explanation

The new password does not have enough characters.

System action

The password is not updated on the server.

User response

Choose a different password. Contact your IBM Storage Protect administrator to learn the password requirements.

FMV0305E: It is too soon after the previous update to change the password.**Explanation**

The password cannot be changed since not enough time has elapsed since the last password update.

System action

The password is not updated on the server.

User response

Try to change your password again later.

FMV0306E: The password was previously used.**Explanation**

The new password that you entered was previously used.

System action

The password is not updated on the server.

User response

Choose a different password.

FMV0307E: The password does not meet the requirements.**Explanation**

The new password that you entered does not meet the requirements, such as the number of special characters or digits.

System action

The password is not updated on the server.

User response

Choose a different password. Contact your IBM Storage Protect administrator to learn the password requirements.

FMV0308E: Remote operation failed to start on *obj-name*. Status: *status* reason: *reason*

Explanation

The request to start a remote operation has failed for the indicated node and file space. The status and the reason for the failure are shown.

System action

Processing ends.

User response

Contact your system administrator for more information.

FMV0309E: Remote operation failed to start on *obj-name*. Status: *status*

Explanation

The request to start a remote operation has failed for the indicated node and file space. The status of the failure is shown.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0311E: The tsmBuffHandle is invalid, or the value of dataPtr is invalid.

Explanation

An invalid value for a handle or dataPtr has been passed into the API.

System action

The system returns to the calling procedure.

User response

There is a problem with the calling application. Verify the values of the tsmBuffHandle and dataptr passed to the API.

FMV0312E: The number of bytes copied into the tsmBuffer is larger than the allowed value.

Explanation

An invalid number of bytes was copied to a tsmBuffer.

System action

The system returns to the calling procedure.

User response

There is a problem with the calling application. Verify the number of bytes copied into the tsmBuffer.

FMV0313E: dsmTerminate cannot finish because the application is holding on to 1 or more tsmBuffers.**Explanation**

An application is trying to terminate a session, but is still holding some tsmBuffers.

System action

The system returns to the calling procedure.

User response

The application must return all buffers for this session by calling tsmReleaseBuffer, and then issue dsmTerminate.

FMV0314E: An internal error occurred in the tsmBuffer array.**Explanation**

An internal API buffer array error occurred.

System action

The system returns to the calling procedure.

User response

Try the operation again. If the problem continues, contact your system administrator or service representative.

FMV0315E: Unable to open message text file.**Explanation**

The system is unable to open the message txt file (dscenu.txt or dsmclientV3.cat for AIX). On the AS/400 platform this file is QFMVAPI/QAFMVENU(TXT).

System action

The system returns to the calling procedure.

User response

Verify that the dscenu.txt file is in the directory pointed to by DSMI_DIR. For AIX, verify that the dsmclientV3.cat file has a symbolic link to /usr/lib/nls/msg/<locale>/dsmclientV3.cat .

FMV0316E: Unable to use message text file.

Explanation

The system is unable to use the message text file (dscenu.txt or dsmclientV3.cat for AIX) because of an invalid header. On the AS/400 platform this file is QFMVAPI/QAFMVENU(TXT).

System action

The system returns to the calling procedure.

User response

Install the message text file again.

FMV0317E: Unable to use message text file.

Explanation

The system is unable to use the message txt file (dscenu.txt or dsmclientV3.cat for AIX) because of an invalid control record. On the AS/400 platform this file is QFMVAPI/QAFMVENU(TXT).

System action

The system returns to the calling procedure.

User response

Install the message text file again.

FMV0318E: Invalid value for DATEFORMAT specified.

Explanation

An invalid value is specified for DATEFORMAT.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0319E: Invalid value for TIMEFORMAT specified.

Explanation

An invalid value is specified for TIMEFORMAT.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0320E: Invalid value for NUMBERFORMAT specified.

Explanation

An invalid value is specified for NUMBERFORMAT.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0321E: msg parameter for dsmRCMsg is a NULL pointer.

Explanation

The message parameter for dsmRCMsg is a NULL pointer.

System action

The system returns to the calling procedure.

User response

Allocate enough space for the message parameter.

FMV0322E: no text available for this return code.

Explanation

The dsmRC parameter for dsmRCMsg is an unsupported return code.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0323E: partialObjOffset value for partial object retrieve is invalid.

Explanation

The partialObjOffset value for partial object retrieve is invalid.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0324E: partialObjLength value for partial object retrieve is invalid.

Explanation

partialObjLength value for partial object retrieve is invalid.

System action

The system returns to the calling procedure.

User response

Specify a valid value.

FMV0325E: Partial Object Retrieve is not supported on this server.

Explanation

The IBM Storage Protect server specified by the user does not support partial object retrieve.

System action

The system returns to the calling procedure.

User response

Specify a IBM Storage Protect server which supports the partial object retrieve function.

FMV0326E: This node has exceeded its maximum number of mount points.

Explanation

Either no tape or sequential disk mount points are permitted for this operation, or the maximum number of mount points allowed are already in use. The operation can not be completed. The IBM Storage Protect administrator defines the maximum number of mount points with the **MAXNUMMP** property of your node definition.

System action

The object is skipped

User response

If you are performing any other operations that might be using mount points, wait until those operations are complete, then try the failed operation again. Otherwise contact your IBM Storage Protect administrator for further assistance

FMV0327E: A duplicate object was found, operation cannot complete.

Explanation

A duplicate object was found, operation cannot complete.

System action

The requested operation failed.

User response

Try the operation with a different file specification.

FMV0328E: The specified objects failed the merge test.**Explanation**

The specified objects failed the merge test, operation cannot complete.

System action

The requested operation failed.

User response

See documentation for the merge test parameters.

FMV0330E: The dsmSetAccess access Type is invalid.**Explanation**

The dsmSetAccess accessType is invalid.

System action

The system returns to the calling procedure.

User response

The accessType must be one of the following:
atBackup
atArchive

**FMV0331E: No files have been previously backed up for this filename/
filespace.****Explanation**

You tried to set access to files when no files for the specified filename, drive or file system were previously backed up.

System action

Processing stopped.

User response

Ensure that the correct drive or file system was specified and that files are backed up for you to set access.

FMV0332E: No files have been previously archived for this filename/filespace.

Explanation

You tried to set access to files when no files for the specified filename, drive or file system were previously archived.

System action

Processing stopped.

User response

Ensure that the correct drive or file system was specified and that files are archived for you to set access.

FMV0333E: Unknown Remote Mover type

Explanation

The specified Remote Mover type is unknown.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0334E: An Operation for the requested node and file space is already in progress.

Explanation

A request has been made to use a data mover to perform an operation for the indicated node and file space. Since an operation for this node and file space is already in progress, the new operation cannot be performed.

System action

Current operation has ended.

User response

Retry the operation at a later time.

FMV0335E: System resource in use

Explanation

A required resource is in use by another command or process.

System action

Current operation has ended.

User response

Retry the operation at a later time.

FMV0336E: Server plugin communication error**Explanation**

Communication between a server plugin module and a NAS filer failed.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0337E: Server plugin detected unsupported NAS filer operating system.**Explanation**

A plugin module detected that a NAS filer is running an unsupported operating system or operating system level.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0338E: An invalid operation was attempted on a node**Explanation**

The operation is not valid.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0339E: The specified target storage pool is not defined.**Explanation**

The storage pool is not defined.

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0340E: A target storage pool does not have the correct data format for the given node type.**Explanation**

none

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0341E: No associated data mover is defined for the given node.**Explanation**

none

System action

Current operation has ended.

User response

Contact your system administrator for more information.

FMV0342E: The CRC received from the Server does not match the CRC calculated by the client.**Explanation**

The server sent a CRC for a buffer. The client calculated a CRC for the same buffer. These did not match. The mismatch indicates a communication failure.

System action

In some cases, the client can indicate the failure to the server and retry the operation.

User response

Check the trace log for additional information and retry the operation. If the problem persists, contact your system administrator.

FMV0343E: An invalid operation was attempted on a group leader or group member.

Explanation

An invalid operation was attempted on a logical group.

System action

The current operation stops.

User response

Retry a valid operation.

FMV0344E: Cannot Send data with a zero byte sizeEstimate.

Explanation

You cannot send data for an object with size estimate = 0.

System action

The system returns to the calling procedure.

User response

Set size estimate greater than 0 in dsmSendObj.

FMV0345E: Remote disk not defined.

Explanation

An operation was attempted on a remote disk that is not defined.

System action

The current operation stops.

User response

Define the proper remote disk.

FMV0346E: Input destination does not match expected destination.

Explanation

Input destination does not match expected destination.

System action

The current operation stops.

User response

Retry operation with proper destination.

FMV0347E: Data mover is not available.

Explanation

Data mover is not available.

System action

The current operation stops.

User response

Retry operation with a proper Data mover.

FMV0348E: Operation failed because the copy continue option was set to NO.

Explanation

Operation failed because the copy continue option was set to NO.

System action

The current operation stops.

User response

This abort code indicates that a store operation, like backup or archive failed because the copy continue option was set to NO. The sysadmin will need to resolve the problem on the server end.

FMV0349E: Transaction failed because of a problem during a store operation.

Explanation

Transaction failed because of a problem during a store operation. This error is typical when the next storage pool has a different copy storage pool list and we switch to this pool in the middle of a transaction.

System action

Transaction is aborted.

User response

Resend objects in separate transactions.

FMV0350E: The current client configuration does not comply with the value of the DATAWRITEPATH or DATAREADPATH server option for this node.

Explanation

The values of the DATAWRITEPATH and DATAREADPATH server options specify where the client is allowed to send data, and where data is read from. The values for the specified node name should correspond with the

client configuration. For example, you will get this error message if DATAWRITEPATH contains a LAN value and the client is configured to use LAN-free protocol, or vice versa.

System action

Processing stopped.

User response

Check the client, server, and storage agent logs to determine why the client was not able to send data LAN-free. Make sure the client configuration and server options are compatible.

FMV0351E: The node or user does not have proper authority to perform this operation**Explanation**

The node or user does not have proper authority to perform this operation.

System action

The transaction is ended.

User response

Check the authority for the specified object.

FMV0352E: The operation is not permitted due to server licenses values.**Explanation**

The node or user is trying to perform an operation that either exceeds license values, or is not licensed.

System action

The session is rejected or the transaction is cancelled, ending the current operation.

User response

See your system administrator.

FMV0353E: When using useTsmBuffers, dataBlk must be NULL in calls to dsmSendObj and dsmGetObj.**Explanation**

The value for dataBlk must be NULL when using useTsmBuffers.

System action

The system returns to the calling procedure.

User response

There is a problem with the calling application. Contact your application provider

FMV0354E: Encryption is not allowed when using useTsmBuffers.

Explanation

useTsmBuffers does not support encryption.

System action

The system returns to the calling procedure.

User response

Try the operation again, without using useTsmBuffers, or disable encryption for this operation.

FMV0355E: This object cannot be restored/retrieved using useTsmBuffers, because it is compressed.

Explanation

useTsmBuffers does not support compression.

System action

The system returns to the calling procedure.

User response

Try the operation again, without using useTsmBuffers.

FMV0356E: This object cannot be restored/retrieved using useTsmBuffers, because it is encrypted.

Explanation

useTsmBuffers does not support encryption.

System action

The system returns to the calling procedure.

User response

Try the operation again, without using useTsmBuffers.

FMV0357E: When using useTsmBuffers, a restore/retrieve with partial object restore is not allowed.

Explanation

useTsmBuffers does not support partial object restore.

System action

The system returns to the calling procedure.

User response

Make sure the calling application is either using Partial object restore or useTsmBuffers.

FMV0358E: No encryption key was found. If you are using -encryptkey=prompt make sure there is a value in the encryptionPasswordP field and that bEncryptKeyEnabled is set to true.

Explanation

There was no encryption key found in the password file, or no key was provided by the application.

System action

The system returns to the calling procedure.

User response

If you are using -encryptkey=prompt, make sure there is a value in encryptionPasswordP and that bEncryptKeyEnabled is set to true.

FMV0359E: Conflicting encryption key options have been specified.

Explanation

When using the ENABLEENCRYPTKEY option, the parameter bEncryptKeyEnabled for the IBM Storage Protect API dsmInitExIn_t and tsmInitExIn_t structures cannot be set to bTrue.

System action

The system returns to the calling procedure.

User response

Either remove the ENABLEENCRYPTKEY option from the options file, or set the parameter bEncryptKeyEnabled to bFalse in the program using the IBM Storage Protect API.

FMV0360E: The client acceptor cannot start because the value of the MANAGEDSERVICES option is NONE.

Explanation

The client acceptor will not start if MANAGEDSERVICES NONE is set in the option file. The client acceptor is designed to manage the web client or IBM Storage Protect schedules. By specifying NONE, the client acceptor will not manage any services.

System action

The client acceptor will stop processing.

User response

Specify either WEBCLIENT or SCHEDULER for the MANAGEDSERVICES option in the option file then restart the client acceptor.

FMV0361I: DIAG:

Explanation

The message text is provided for diagnostic purposes and is meant to provide information to IBM Storage Protect support in problem determination.

System action

None.

User response

None.

FMV0362E: There are insufficient Windows system resources to process this command.

Explanation

This problem can occur during backup of a shared directory. The most likely reason is the 'IRPStackSize' setting on the computer that hosts the shared directory is too small.

System action

The file is skipped.

User response

Check the Windows event viewer for event ID 2011 on the computer that hosts the shared directory. This event indicates that the configuration parameter IRPStackSize is too small. IRPStackSize is a setting of type DWORD located in Windows registry key HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\LanmanServer\Parameters. If the IRPStackSize value is less than 20, or IRPStackSize is not specified, then set the value to 20, restart the system, and try the operation again. The default IRPStackSize value is 15. Attention: Consult with your Windows system administrator before making changes to the Windows registry or the problem persists after changing the IRPStackSize value to 20.

FMV0363E: The signature check of the content.spsig file failed. The retrieved files will be removed.

Explanation

The IBM Storage Protect signature file, content.spsig, was not retrieved correctly. The file was manipulated or damaged.

System action

Processing stops.

User response

The content.spsig file was not found. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV0364W: The signature check of the content.spsig file failed.

Explanation

The IBM Storage Protect signature file, content.spsig, was not retrieved correctly. The file was changed or damaged.

System action

Processing continues.

User response

The content.spsig file is damaged or changed. Ensure that the data that was retrieved is not corrupted. The data was probably damaged or changed.

FMV0365E: The signature check of one or more files failed. The retrieved files will be removed.

Explanation

One or more files were not retrieved correctly. The files might be changed or damaged.

System action

Processing stops.

User response

One or more files were changed or damaged. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV0366W: The signature check of one or more files failed.

Explanation

One or more files were not retrieved correctly. The files might be changed or damaged.

System action

Processing continues.

User response

One or more files were changed or damaged. Ensure that the files that were retrieved are not corrupted.

FMV0367E: One or more files were not found during the signature check. The retrieved files will be removed.

Explanation

One or more files were not retrieved.

System action

Processing stops.

User response

One or more files were not retrieved. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV0368W: One or more files were not found during the signature check.

Explanation

One or more files were not retrieved. Important files might be missing.

System action

Processing continues.

User response

One or more files were damaged or changed. Ensure that the files that were retrieved are not corrupted. The missing files could be important or not retrieved on purpose. For example, a file might not be retrieved because it was removed on the server.

FMV0369E: The content.spsig file is not a IBM Storage Protect signature file. The retrieved files will be removed.

Explanation

A content.spsig file was found, but it is not a IBM Storage Protect signature file. The content of the retrieve could not be verified.

System action

Processing stops.

User response

If a content.spsig file is found during retrieve, the client will try to identify this file as a signature file. If the file is not a IBM Storage Protect signature file, the client is not able to verify the files. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV0370W: The content.spsig file is not a IBM Storage Protect signature file.

Explanation

A content.spsig file was found, but it is not a IBM Storage Protect signature file. The content of the retrieve could not be verified. If a content.spsig file is found during retrieve the client will try to identify this file as signature file. If the file is not a IBM Storage Protect signature file, the client is not able to verify the data.

System action

Processing continues.

User response

No user action is required.

FMV0371E: The content.spsig file was not found. A signature check cannot be completed. All retrieved files will be removed.

Explanation

The IBM Storage Protect signature file, content.spsig, was not found. A signature check is not possible. It is not possible to check whether the files that were retrieved are damaged or changed.

System action

Processing stops.

User response

The content.spsig file was not found. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV0372E: More than one content.spsig file was found. A signature check cannot be completed. All retrieved files will be removed.

Explanation

More than one IBM Storage Protect signature file, content.spsig, was found. A signature check is not possible. It is not possible to check whether the files that were retrieved are damaged or changed.

System action

Processing stops.

User response

More than one content.spsig file was found. Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV373I: The SAN Policy of the system is set to '*san_policy_value*'.

Explanation

The VMware Virtual Disk Development Kit used to open, close, read, and write VMware VMDKs requires the specified Windows SAN Policy setting for the datamover hardware and transport type in use.

System action

The Windows SAN Policy of the system is configured and the current operation continues.

User response

When a system is set to Offline All, you need to manually set new disks to Online.

FMV0400E: License file could not be opened.

Explanation

The license file was not found, or could not be opened because of permissions or the file is corrupted.

System action

The system returns to the calling procedure.

User response

Check permissions on file. See if the license file is in the correct place.

FMV0401E: Read failure on the license file.**Explanation**

The license file was not found, or could not be opened because of permissions, or the file is corrupted.

System action

The system returns to the calling procedure.

User response

Check permissions on file. See if the license file is in the correct place.

FMV0402E: Write failure on the license file.**Explanation**

The license file was not found, or could not be opened because of permissions or the file is corrupted.

System action

The system returns to the calling procedure.

User response

Check permissions on file. See if license file is in the correct place.

FMV0403E: Data in the license file is not in a valid format.**Explanation**

The license file is not valid.

System action

The system returns to the calling procedure.

User response

User needs to obtain a new license.

FMV0404E: The checksum in the license file does not match the licenseregistration string.**Explanation**

The registration string is not valid.

System action

The system returns to the calling procedure.

User response

User needs to obtain a new license.

FMV0405E: This is an expired try and buy license.**Explanation**

The registration string is not valid.

System action

The system returns to the calling procedure.

User response

User needs to obtain a new license.

FMV0420W: Warning! Restoring inactive system state objects is not recommended.Do you wish to continue?**Explanation**

Restoring inactive system state objects may cause system instability. Examples of possible problems include:

- Applications that were installed after the time the system state was backed up cannot function properly after restoring the inactive system state
- Critical operating system updates installed after the inactive system state backup was made can no longer be available, or may not function correctly.

Restoring inactive system state objects is not recommended unless you are certain that this is what you need to do.

System action

If user responds with yes, the client will restore the object. If user responds with no, the client will cancel the operation.

User response

Reply to the prompt. If you are unsure, reply no, and consult your system administrator or operating system vendor before proceeding further.

FMV0421W: Unable to synchronize the node password with the user id password provided.**Explanation**

The node password was not updated due to the reason described in the error message preceding this one.

System action

The node password is not updated on the server. Next time you run the client you will be prompted for the password again.

User response

See the preceding error message.

FMV0422W: The selected journal location is a network drive and might not be accessible from the journal service. Select a location on a local drive.

Explanation

It is not recommended to use a network device as the location where journal databases are stored. Placing journal databases on a network device can prevent the journal service from running.

System action

Processing continues.

User response

Choose a local drive where journal databases will be stored.

FMV0423E: Directory '*filespace namepath-namefile-name*' cannot be created. Path does not exist.

Explanation

The operating system returned a "path not found" status when IBM Storage Protect attempted to create the directory needed for Automated System Recovery (ASR). One possible reason is that a multi disk system is restored to a single disk system.

System action

Processing stopped.

User response

Please verify that you are restoring to identical hardware and try again.

FMV0649E: Disk provider for volume *volume-name* does not support the snap of a snap feature.

Explanation

You can use the snap of a snap feature only on SVC and Storwize systems.

System action

Processing ends.

User response

Reset the USESNAPOFASNAPTOMOUNT option to No in the Data Protection configuration file and set MOUNTRW=Yes to mount the read/write backup.

FMV0990W: Options file '*file-name*' could not be found. Default option values will be used.

Explanation

Common reasons for this warning include:

- The default options file does not exist, and
- You did not specify the -OPTFILE option when starting the IBM Storage Protect client, and
- the environment variable DSM_CONFIG was not set.

System action

IBM Storage Protect client assumes default values for all client options and continues processing, using the default server name and associated options found in the dsm.sys file.

User response

If the default system action is acceptable, you can eliminate this message by creating an empty dsm.opt file in the installation directory.

If you have a client user options file (dsm.opt), either place it in the installation directory or set the DSM_CONFIG environment variable to the fully-qualified path and file name of your options file.

Review the information on configuring IBM Storage Protect in the IBM Storage Protect client manual specific to your operating system. If the problem persists, ask your IBM Storage Protect administrator for further assistance.

FMV0991I: IBM Storage Protect scheduler is listening for server requests on port *port number*

Explanation

This message indicates the port number on which the clients is listens for server requests. If the port number in the message differs from the default value or what you specified with the **TCPCLIENTPORT** option, it is because the port was in use by a different process.

System action

Processing continues.

User response

Normally no further action is required. If you require the use a specific port number, you need to configure your system or applications so the number is available. Restart the IBM Storage Protect client and confirm it uses the desired port.

FMV0992E: The destination filesystem or drive letter is unavailable. For more details please see dsmerror.log.

Explanation

The system is trying to restore or retrieve to a destination that cannot be reached. The specified filesystem name or drive letter is not valid, or does not exist, or you are specifying a local share name that cannot be resolved.

System action

Objects which are part of this filesystem are not processed.

User response

Try the command again, and specify a different destination for the object that was not processed.

FMV0993E: The source specification "*source*" has invalid format.

Explanation

The file system must be enclosed in curly braces and wildcards cannot be used except at the lower level.

System action

The command processing is terminated.

User response

Correct the specification and try the command again.

FMV0994E: Invalid string '*string*' for virtual file space name or group name specification.

Explanation

You entered a virtual file space name or a group name specification that contains wildcard characters.

System action

Processing stopped.

User response

Enter a correct virtual file space name and a group name and try again. Use the pick option to display a list of groups from which you can select one group.

FMV0995E: Volume '*volume-name*' could not be locked.

Explanation

The system call to lock the volume failed.

System action

Processing stopped.

User response

Please verify that no other application is accessing the volume. During restore of an image IBM Storage Protect must have exclusive use of the volume.

FMV1000E: An unsupported communications method was specified.

Explanation

None.

System action

processing stops.

User response

Specify a communications interface that is supported by the IBM Storage Protect client on your operating system. See the IBM Storage Protect client manual for your operating system for further information on configuring IBM Storage Protect client communications.

FMV1001E: Volume being backed up was not a system volume. Skipped.**Explanation**

User specified to back up system volume only. This volume was not backed up since this volume is not a system volume.

System action

Volume was not backed up.

User response

Use All option or use image backup command to backup this volume.

FMV1002I: MOS image is being created. It may take a while.**Explanation**

Mini Operating System image is being created. It may take a while to create it.

System action

Processing Continues.

User response

None.

FMV1004W: Node has exceeded max tape mounts allowed. Operation for '*filesystem-name*' will be tried again later.**Explanation**

Node has exceeded max tape mounts allowed. The operation will be tried again later.

System action

The operation will be retried.

User response

Increase the number of allowed tape mounts for this node on the server to avoid this situation again.

FMV1005I: TCP/IP read error on socket = *socket-id*, errno = *error-code*, reason : '*error-reason*'.

Explanation

An attempt to receive data using TCP/IP connection failed. If reason : 'Connection reset by peer', it is possible that the server control connection timed out. This can occur if the file transfer time is greater than the IDLETIMEOUT value set on the server.

System action

TCP/IP connection to server fails.

User response

If the timeout was due to a large file transfer time, you can ignore this message. The client will reconnect with the server automatically, finish transferring the data, and send statistics. You can also consider increasing the IDLETIMEOUT value in the server options file.

FMV1006I: TCP/IP write error on socket = *socket-id*, errno = *error-code*, reason : *error-reason*

Explanation

An attempt to send data using TCP/IP connection failed.

System action

Connection to server fails.

User response

Retry the operation. If the problem persists, contact your system administrator.

FMV1007E: Sending of object '*object-nameobject-nameobject-name*' failed. There is no backup copy group.

Explanation

The management class for this file (*object-name*) does not have a backup copy group. Either the default management class does not have a backup copy group, or an INCLUDE statement is attempting to bind the file to a management class that does not have a backup copy group.

System action

IBM Storage Protect did not back up the file.

User response

Run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes.

- If the file is being bound to the default management class, make sure the management class has a backup copy group.
- If the file is being bound to a management class specified in an INCLUDE statement, make sure that the management class has a backup copy group.
- If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server.

- If you are unable to find a suitable management class, contact your IBM Storage Protect administrator for further assistance.

FMV1008E: Sending of object '*object-nameobject-nameobject-name*' failed: No Archive Copy Group

Explanation

The management class for this file (*object-name*) did not have an archive copy group specified.

System action

The file could not be backed up.

User response

See your system administrator.

FMV1009W: An error occurred processing the operating system include/exclude statements. The error was detected while processing: *subsystemname*.

Explanation

The client encountered an error while obtaining the automatic include/exclude statements from the operating system. Possible reasons for this error include:

- The specified registry key cannot be opened for reading
- The entry under this key has incorrect data

System action

Processing continues without the full list of operating system include/exclude statements.

User response

Ensure that you have access to the specified registry key and that entries are a MULTISZ values that contain:

- Individual files
- Directories
- Wild card entries
- Environment variables
- /s switch (the /s switch is used on directory and/or wild card entries and signifies that all subdirectories of this directory should be excluded)

If the cause of this message can not be determined or resolved, contact IBM Storage Protect technical support for further assistance.

FMV1010E: Error processing '*filesystem-name*': Unsupported file system operation.

Explanation

The file system does not support an operation required to process the file or directory.

System action

The file or directory is skipped. Depending on the specific error encountered, processing on Solaris clients might stop.

User response

Verify that the file system is supported by the IBM Storage Protect client. If a restore or retrieve failed, retry the operation to another location. If the problem persists, look for other indications of system problems. It may be necessary to run the operating system utility that checks and repairs file system inconsistencies. If the problem still cannot be resolved, contact your IBM Storage Protect administrator for further assistance.

FMV1015E: The session is rejected. The server does not allow a signon of a client that is not archive-retention protection enabled.

Explanation

The client cannot establish a connection to the server because the server is enabled for archive-retention protection enabled and the client is not.

System action

The session is not started.

User response

See your system administrator.

FMV1016I: No eligible files matching '*pathname*' were found.

Explanation

The backup or archive operation completed, but no files were processed. Possible reasons for this include:
The directory that was backed up or archived contains no files
The files are excluded from backup or archive

System action

None

User response

Check the path you entered.

FMV1017E: Session rejected: TCP/IP connection failure.

Explanation

An attempt to connect to the server using TCP/IP communications failed. This can be a result of incorrect TCP/IP option settings in your client options file. This error can also occur if the LAN connection went down or if your system administrator canceled a backup operation.

System action

Session rejected. Processing stopped.

User response

Retry the operation, or wait until the server comes back up and retry the operation. If the problem continues, see your system administrator for further help.

FMV1018E: Port *port number* is already in use**Explanation**

The port specified by the TCPCLIENTPORT option is in use by a different process.

System action

Processing stopped.

User response

Contact the server administrator to set up a different port for server-initiated connections. Update the TCPCLIENTPORT with this new port number.

FMV1019E: The volume could not be opened.**Explanation**

An error occurred when IBM Storage Protect tried to open the volume for a backup or restore operation.

System action

The requested operation does not run.

User response

Examine the client error log for additional messages related to this error. Verify that the volume is available, and is not locked by another process. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1020E: System object backup failed.**Explanation**

An error occurred while backing up Windows system object files. The backup did not complete.

System action

Processing stopped.

User response

Ask your system administrator to check the error log. Restart the Windows service associated with the system object indicated in the error log, and retry the backup operation

FMV1021E: System object restore failed.**Explanation**

An error occurred while restoring Windows system object files. The restore did not complete.

System action

Processing stopped.

User response

Ask your system administrator to check the error log. Restart the machine, and then restore the system object indicated in the error log again.

FMV1022E: Cancel failed for node: *node-name* filesystem: *fs-name* operation: *op-type* error: *error***Explanation**

The request to cancel a remote operation has failed. The node, file space, operation and reason for the failure are shown.

System action

Operation not cancelled.

User response

Contact your system administrator for more information.

FMV1023E: Session rejected: Node type mismatch**Explanation**

Your node name is associated with a different type of operating system and cannot be used on this system.

System action

Current operation has been cancelled.

User response

If you need a new node name, see your system administrator to assign a new one to you. Generally, you have a unique node name for each machine and operating system pair that requires access to the server.

FMV1024E: Failed to update backup attributes on server for '*backup_type*' backup for '*file_space_namepath_namefile_name*', object id '*object_id:object_id*' return code '*return code*'.**Explanation**

Failed to update attributes for the named backup object on the server. The server may not reflect correct state of the backup.

System action

Processing continues.

User response

Check preceding error messages in error log for more information. Retry the operation. If problem continues, contact your IBM Storage Protect administrator.

FMV1025E: Session rejected: Authentication failure

Explanation

Authentication failure. You entered an incorrect user id or password.

System action

Current operation has been cancelled.

User response

Enter your correct user id and password. If you cannot remember the correct user id or password, see your system administrator to have new credentials assigned for your node name.

FMV1026E: The session is rejected: There was a communications protocol error.

Explanation

An unexpected network message was received by the client. This could be caused by network problems or a programming error.

System action

The current operation has been cancelled.

User response

Verify that your communication path is functioning properly and try the operation again. If the problem persists, contact your IBM Storage Protect administrator for further assistance.

FMV1028S: An internal program error occurred.

Explanation

An unexpected condition was encountered and the operation can not continue. This might be a programming error.

System action

processing stops.

User response

Try the operation again. If the problem persists, contact your IBM Storage Protect administrator or IBM Storage Protect technical support for further assistance.

FMV1029E: Communication with the IBM Storage Protect server is lost.

Explanation

This message is issued after the session with the IBM Storage Protect server is unexpectedly lost. The client error log might contain additional information regarding this problem.

System action

processing stops.

User response

- Restart the IBM Storage Protect client and retry the operation.
- If the problem persists, review the client error log for other messages that might be related to this problem.
- Verify that network connectivity exists between the IBM Storage Protect client machine and the IBM Storage Protect server machine.
- Contact your IBM Storage Protect administrator for further assistance. The IBM Storage Protect administrator can review the IBM Storage Protect server activity log for additional information about the problem.

FMV1030E: The operating system refused a request for memory allocation.

Explanation

Access to memory is required in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

The system is low on memory.

The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.

Some other error condition occurred that caused the program to think it is out of memory.

System action

Requested operation cannot be completed.

User response

Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high level directories, run the IBM Storage Protect task serially for each directory. If the IBM Storage Protect task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, check to see if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMV1031E: The attempt to establish a TCP/IP connection timed out before the connection was made.

Explanation

The Object of the connection attempt failed to respond within the allotted wait time. In the case of the B/A client, this message is preceded in `dsmerror.log` by message FMV5216E that gives details of the connection that failed. The condition may be temporary.

System action

processing stops.

User response

- Restart the IBM Storage Protect client and retry the operation.

- Check the client options file and verify that TCPSERVERADDRESS and TCPPORT specify the correct TCP/IP address and port number for your IBM Storage Protect server.
- Verify that network connectivity exists between the IBM Storage Protect client machine and the IBM Storage Protect server machine.
- If the problem persists, see your IBM Storage Protect administrator for further assistance.

FMV1032E: An attempt to establish a TCP/IP connection was rejected by the host

Explanation

An attempt to establish a TCP/IP connection was rejected by the server.

System action

Processing stopped.

User response

The server was not fully initialized, is not currently running, was not enabled for TCP/IP communications, or an incorrect TCP/IP port number was specified. If the problem continues, see your system administrator.

FMV1033E: An invalid TCP/IP address was specified.

Explanation

The TCP/IP address specified by the IBM Storage Protect client's TCPSERVERADDRESS setting could not be found on the network. Common reasons for this error include:

- The TCPSERVERADDRESS client option specifies the wrong TCP/IP address for the IBM Storage Protect server".
- The machine that hosts the IBM Storage Protect server is not on the network.
- A network problem is preventing the IBM Storage Protect client from reaching the machine that hosts the IBM Storage Protect server.

System action

processing stops.

User response

Verify that the TCPSERVERADDRESS and TCPPORT settings have the correct values for your IBM Storage Protect server. Use your operating system's "ping" (or similar) utility to ensure that your machine can locate the machine that hosts the IBM Storage Protect server across the network. Try the operating again. If the problem persists, ask your IBM Storage Protect administrator for further assistance.

FMV1034E: The specified TCP/IP host name is unreachable

Explanation

The TCP/IP host name specified in the TCPSERVERADDRESS statement cannot be reached.

System action

Processing stopped.

User response

Check your options file for the correct TCPSERVERADDRESS statement. See your administrator for the correct name of the server.

FMV1035S: Options file '*file-name*' could not be found, or it cannot be read.

Explanation

Common reasons for this error include:

- The default options file does not exist.
- You specified the -OPTFILE option when starting the IBM Storage Protect client, but the options file you provided does not exist.
- The DSM_CONFIG (or DSMI_CONFIG if you are using the IBM Storage Protect API) environment variable specifies an options file that does not exist.
- You specified the -OPTFILE option when starting the IBM Storage Protect client, but the options file that you provided is not in the standard file encoding of the system. For example, on Windows the expected file encoding is FMVI.
- You specified the -OPTFILE option when starting the IBM Storage Protect client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action

IBM Storage Protect client processing stops.

User response

Make sure that the options file you want to use exists, it has the read rights set for the user that is running the operation, and it is in the standard file encoding of the system. For example, on Windows the expected file encoding is FMVI. Review the configuration information in the IBM Storage Protect client manual specific to your operating system. If the problem persists, ask your IBM Storage Protect administrator for further assistance.

FMV1036S: The option '*option*' or the value supplied for it is not valid. It was found in options file '*file-name*' at line number: *number* The complete entry: '*entry*'

Explanation

The specified option or option value is not valid. For options that include a date or time specification, the format of the date or time might not match the formats specified by the **DATEFORMAT** or **TIMEFORMAT** options.

System action

Processing stops.

User response

Correct the option name or value. For options that specify dates or times, ensure that the specified date or time matches the **DATEFORMAT** and **TIMEFORMAT** settings. If **-DATEFORMAT** or **-TIMEFORMAT** are specified on the command line, they must precede the option that specifies the date or time. For example, use **-DATEFORMAT=3 -FROMDATE=yyyy-mm-dd**, instead of **-FROMDATE=yyyy-mm-dd -DATEFORMAT=3**.

FMV1037S: Invalid keyword specified

Explanation

An incorrect keyword was found in the options file.

System action

Processing stopped.

User response

Correct the options file with valid entries.

FMV1038S: Invalid option specified.

Explanation

An incorrect option was specified to IBM Storage Protect.

System action

Processing stopped.

User response

Correct the options used for running IBM Storage Protect.

FMV1039S: The include or exclude pattern cannot be parsed.

Explanation

The pattern is formatted incorrectly or is too complex to be interpreted.

System action

Processing stopped.

User response

Verify that the include or exclude pattern is specified correctly. If the pattern is correct, then contact IBM Storage Protect technical support for further assistance.

FMV1040S: Include/Exclude pattern is missing a closing bracket

Explanation

The include or exclude pattern is incorrectly constructed. The closing bracket is missing.

System action

Processing stopped.

User response

Correct the syntax for the pattern.

FMV1041S: Include/Exclude pattern must start with a directory delimiter

Explanation

The include or exclude pattern must start with a directory delimiter.

System action

Processing stopped.

User response

Correct the syntax for the pattern.

FMV1042S: A beginning or ending directory delimiter is missing from the Include/Exclude pattern.

Explanation

1. The include/exclude pattern has a '...' without a beginning or ending directory delimiter.
2. For Windows, the drive separator is not immediately followed by a directory delimiter.

System action

Processing stopped.

User response

Correct the syntax for the pattern.

FMV1043S: Quotes are not matched

Explanation

The quotes specified in the pattern are not the same and do not make a set.

System action

Processing stopped.

User response

Correct the pattern by using matching quotes in the syntax.

FMV1047E: The destination file system is unavailable. The following object was skipped: File space:'*filesystem-name*' Pathname:' *path-name*' Filename:'*file-name*'

Explanation

The client is trying to restore or retrieve the specified object to a destination that is not valid, does not exist, or cannot be reached.

System action

The object is not restored or retrieved. Processing continues with the next object.

User response

Try the command again using a different destination.

FMV1048E: Device '*volname*' is not local**Explanation**

The selected path is not a local device and therefore is not a valid object for image operations.

System action

The requested logical volume operation is not performed.

User response

Choose another object.

FMV1049E: '*filename*' is not a valid destination file for image restore**Explanation**

The filename you specified is not a valid name for a file or it is a directory.

System action

Restore processing stopped.

User response

Specify a correct filename for image restore.

FMV1050E: Volume '*volume-name*' could not be locked for the VSS Instant Restore.**Explanation**

The volume cannot be locked because another application is accessing the file systems on the volume.

System action

Processing stops.

User response

Stop or suspend the applications that have handles open on the volume. For a file system restore, close applications that are accessing the file systems that are used for the VSS Instant Restore.

If you cannot close the applications that are accessing the file system, unmount the file system. After the unmount process is complete, mount the file system and perform the VSS Instant Restore.

For more information, see the error log file DSMERROR.LOG.

FMV1051I: Invalid user id or password

Explanation

You entered an invalid user id or password.

System action

IBM Storage Protect cannot connect to the server without the correct credentials.

User response

Contact your system administrator for the correct credentials.

FMV1052E: Direct connection to the Storage Agent is not allowed.

Explanation

You cannot connect directly to the Storage Agent.

System action

Processing stopped.

User response

To perform Lanfree operations using the Storage Agent, specify the ENABLELANFREE option in your options file, and restart the process.

FMV1053I: Existing file space *file_space_name* has been renamed to *file_space_name*

Explanation

If the file space is for Windows system state, this message is issued when the IBM Storage Protect backup-archive client detects multiple system state file spaces where the names differ only in case. The existence of multiple system state file spaces can occur if, at some earlier time, your IBM Storage Protect administrator renamed the system state file space to the same name but with a different case or the computer's name was changed from all upper case characters to lower case or mixed case characters. If the file space name represents a drive volume label, then this file space was created by an older IBM Storage Protect backup-archive client.

System action

If the file space is for Windows system state, IBM Storage Protect will back up system state to the file space containing the most recent backup. The older file space is renamed as specified in this message. Subsequent system state backups will continue to back up system state to the same (most recently used) file space. If the file space name represents a drive volume label, it will be renamed to the corresponding UNC name and continues to back up the drive to this renamed file space.

User response

No further action is necessary. However, if the file space is for Windows system state, then at some future time when you have determined you no longer need the older renamed system state file space, you can ask your IBM Storage Protect administrator to delete the older file space from IBM Storage Protect storage.

FMV1054E: Existing filesystem *filesystem-name* cannot be renamed to new filesystem *filesystem-name*. IBM Storage Protect return code = *retcode*.

Explanation

The client was unable to migrate a file space name from the volume label naming convention to the UNC naming convention.

System action

Processing stopped.

User response

Check the client error log and the IBM Storage Protect server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM Storage Protect technical support for additional assistance.

FMV1055I: Trying to rename existing filesystem *filesystem-name* to new filesystem *filesystem-name*, but drive letters do not match, old=*drive-letter*, new=*drive-letter*. Ignore the old filesystem and backup to the new filesystem.

Explanation

Trying to rename the existing filesystem name using the volume label to the UNC format naming convention but the drive letters do not match. Leave the existing filesystem alone and create a new filesystem.

System action

Processing continues.

User response

None.

FMV1056E: Share/network path *share* cannot be resolved. Path does not exist.

Explanation

For backup: Trying to backup share/network, which either does not exist or does not have the correct privilege to access the share. For restore : Trying to restore to a share/network path that cannot be resolved. The directory path does not exist.

System action

Processing stopped.

User response

Retry the command and specify a destination, or restore the directory tree first before trying to restore the share point.

FMV1057I: File space *file_space_name* cannot be renamed to new file space *file_space_name*, because the new file space already exists.

Explanation

The client was unable to migrate a file space name from the volume label naming convention to the UNC naming convention because the new file space already exists on the IBM Storage Protect server.

System action

The operation proceeds using the new file space. The old file space is ignored.

User response

No action is necessary, but if the data in the old file space is no longer needed, it can be deleted from the IBM Storage Protect server.

FMV1058E: The restore destination cannot be reached.

Explanation

Either the destination file system is invalid or it cannot be reached.

System action

Processing stopped.

User response

Try the command again using a different destination.

FMV1059E: Two inactive objects with the same image name were selected. Process terminates

Explanation

You selected more than one inactive version of the same image object (logical volume). The system has no way to decide which you want to restore.

System action

The requested logical volume restore is not performed.

User response

Retry the operation, selecting an active version or only one inactive version of the volume you wish to restore.

FMV1060E: The specified path is not a mounted filesystem

Explanation

You entered a file system name that does not correspond to a mounted file system for this system. It is possible the file system name is misspelled, or simply that the file system is not currently mounted.

System action

The requested logical volume operation is not performed.

User response

Retry the operation, using name of a mounted file system.

FMV1061E: The specified device corresponds to a mounted file system; you must specify the file system by name.**Explanation**

You entered a logical device name that is mapped to a mounted file system. This volume must only be referenced by its file system name.

System action

The requested logical volume operation is not performed.

User response

Try the operation again, using the file system name instead of the device name.

FMV1062E: Only a single image may be selected when a destination is entered.**Explanation**

You selected more than one image object (logical volume) to be restored. You also specified a destination. The system cannot place more than one image into a single destination volume. When more than one object is selected, each must be restored to its original location.

System action

The requested logical volume restore is not performed.

User response

Retry the operation, selecting one object to be restored to the given destination, or retry the operation without entering the destination.

FMV1063E: The specified path is not a valid file system or logical volume name.**Explanation**

None.

System action

The logical volume operation is not performed.

User response

Try the operation again using a valid path.

FMV1064E: An unexpected error occurred while processing the image operation.

Explanation

None.

System action

The requested operation does not run.

User response

Examine the client error log for any additional messages that may have been issued before or after this message. Correct any problems, if possible. If the cause of this message can not be determined or resolved, contact IBM Storage Protect technical support for further assistance.

FMV1065E: Library version of the image utility does not match that of the IBM Storage Protect API

Explanation

The current system has a mix of installed components.

System action

The requested logical volume operation is not performed.

User response

Re-install all IBM Storage Protect components

FMV1066E: The restore operation completed successfully, but the file system could not be remounted.

Explanation

None.

System action

The file system is left unmounted.

User response

Use the mount command to mount the file system. On AIX, run fsck if requested by the operating system.

FMV1067E: A call to a system function returned an unexpected error.

Explanation

If you are performing a JFS2 snapshot based operation, it is possible that the snapshot was not large enough to contain all the changes made to the filesystem after the snapshot was created. This could cause the snapshot to become invalid thereby preventing IBM Storage Protect client from reading the snapshot.

System action

The requested operation does not run.

User response

Examine the client error log for additional messages related to this error. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

If you are performing a JFS2 snapshot based operation, please use the default snapshotcachesize of 100% and ensure that the volume group has sufficient disk space to allocate snapshots at least as large as the file system and retry the operation.

FMV1068E: Device is not local

Explanation

The selected path is not a local device and therefore is not a valid object for image operations

System action

The requested logical volume operation is not performed.

User response

Choose another object.

FMV1069E: An error occurred while reading data from the device

Explanation

An error occurred while reading data from the device. Windows Only: This could be due to bad sectors on the drive.

System action

The requested logical volume operation is not performed.

User response

Retry the operation, then check the error log for more information. Windows Only: Please run chkdsk /r and retry the operation. If the problem persists, a possible workaround is to back up the entire drive using a regular (non-image) backup. Please ensure that all your data is backed up. Then format the drive using a full format (without the /q quick format option). Then restore the data and retry the image backup operation.

FMV1070E: Write error

Explanation

An error occurred while writing data to the device.

System action

The requested logical volume operation is not performed.

User response

Re-try the operation, check error log for more information.

FMV1071E: Invalid domain name entered: '*domain-name*'

Explanation

You entered an invalid domain name. Verify whether the domain name is a file system and the file system is mounted. A directory cannot be specified in the domain option, unless it is a virtual mount point.

System action

Processing continues if there are other file systems in the domain option to back up.

User response

Enter a valid drive or file system name (domain).

FMV1072E: Unable to continue operation; Drive '*drive-name*' has no volume label.

Explanation

The specified *drive-name* in the domain list does not have a volume label.

System action

Processing stopped.

User response

Use the system format utility to place a unique volume label on all drives on which you intend to run IBM Storage Protect.

FMV1073E: The file space for domain '*domain-name*' could not be found on the IBM Storage Protect server.

Explanation

The specified file space was expected to be found on the server, but it no longer exists. It is possible that a command was issued to delete the file space from the server while the current operation was in progress.

System action

IBM Storage Protect processing stops.

User response

Try the operation again. If the problem recurs, check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1074W: The operation was stopped by the user.

Explanation

The operation was stopped at the request of the user. This usually occurs when the 'Q' key is pressed two times.

System action

Processing stopped.

User response

None.

FMV1075E: *file name(line number)*The operating system refused a IBM Storage Protect request for memory allocation.

Explanation

IBM Storage Protect requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.

- The process in which the program runs has exceeded the maximum allocated memory.

- Some other error condition occurred. No memory is available.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high-level directories, run the IBM Storage Protect task serially for each directory. If the IBM Storage Protect task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, you can check if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase the resource limit above the current default limit. The UNIX system root user has the authority to increase resource limits.

FMV1076E: The specified directory path '*pathname*' could not be found.

Explanation

An invalid or unreachable directory path was specified.

System action

Processing stopped.

User response

Try the operation again using a valid directory path.

FMV1078S: Unknown system error *error-code* occurred.

Explanation

An unknown error *error-code* occurred within the client program.

System action

The client stops.

User response

Check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1079E: No file specification entered

Explanation

You did not enter a file specification as prompted.

System action

The process did not continue with the requested operation.

User response

Enter a file specification to continue.

FMV1081E: Invalid search file specification '*string*' entered.

Explanation

You entered a file specification or search *string* that contains incorrect characters or contains wildcard characters in the drive specification or file system name.

System action

Processing stopped.

User response

Enter a correct file specification as described in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1082E: Invalid destination file specification '*file-name*' entered

Explanation

You entered a destination *file-name* specification that contains incorrect characters or has wildcard characters in the specification.

System action

Processing stopped.

User response

Enter a correct file specification as described in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1083E: No files have previously been archived for '*filespace-name*'

Explanation

You tried to retrieve files when no files for the specified drive or file system (*filespace-name*) were previously archived.

System action

Processing stopped.

User response

Ensure that the correct drive or file system was specified and that files are archived for you to retrieve.

FMV1084E: No files have previously been backed up for ' *filespace-name*' or the specified file space is invalid for the current operating system.

Explanation

You cannot restore files. Either the file space or drive is invalid, or no backup copies exist.

System action

Processing stops.

User response

Specify a valid drive or file space. Verify that backup copies exist.

FMV1086E: File not found during Backup, Archive or Migrate processing

Explanation

The file being processed for backup, archive or migrate no longer exists on the client. Another process deleted the file before it could be backed up, archived or migrated by IBM Storage Protect.

System action

File skipped.

User response

None.

FMV1087E: Access to the specified file or directory is denied

Explanation

Access to the specified file or directory is denied. You tried to read from or write to a file and you do not have access permission for either the file or the directory.

System action

Processing stopped.

User response

Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

FMV1088E: File space '*file space - name*' does not exist**Explanation**

The specified file space (domain) is incorrect or does not exist on the machine.

System action

Processing stopped.

User response

Retry the operation specifying an existing domain (drive letter or file system name).

FMV1089E: Destination directory path length exceeds system maximum**Explanation**

The path name specified plus the path name in the restored file name combine to create a name whose length exceeds the system maximum.

System action

Processing stopped.

User response

Specify a destination path that, when combined, is less than the system maximum.

FMV1090E: The LVM1 device is no longer supported by this client.**Explanation**

The selected path refers to a volume device managed by LVM version 1. LVM 1 is no longer supported by this version of client and therefore is not a valid object for image operations.

System action

The requested logical volume operation is not performed.

User response

Use earlier versions of the client that support LVM1 to perform the logical volume operation. Alternatively, you can upgrade to LVM2 and migrate the volume to LVM2. LVM2 is supported by this client for logical volume operations.

FMV1091E: Communications error with server during object query**Explanation**

An unexpected communications error occurred during an object query to the server.

System action

Processing stopped.

User response

Verify that communications are active between the client and server machines. Server outages, processor outages, and communication controller outages can cause this error.

FMV1092W: No files matching search criteria were found**Explanation**

You entered a search pattern or file name that cannot be found in the server database.

System action

Processing stopped.

User response

Ensure that your search pattern is correct, or specify a new search string.

FMV1093E: Your IBM Storage Protect server does not support point-in-time processing.**Explanation**

The client has requested a point-in-time query or restore operation, but the IBM Storage Protect server to which the client is connected does not support point-in-time operations.

System action

Processing stopped.

User response

Make sure that you are connected to the correct IBM Storage Protect server. If you are connected to the correct server, then try the command again without specifying any point-in-time options.

FMV1094E: An error occurred trying to connect to the restore location on the virtual machine. Verify that the restore location exists on the virtual machine and that your account has access to it.**Explanation**

During restore processing, the system creates a share to access the restore location on the virtual machine. In this situation, the system was unable to create a share. This error typically occurs if the restore location does not exist or the user account does not have access to the location.

System action

The system was unable to create a share.

User response

Verify that the restore location exists on the virtual machine and that your account has access to it.

FMV1096S: Either the node does not exist on the server or there is no active policy set for the node.

Explanation

This error occurs when you try to access another node's data. Either the node is not registered with the IBM Storage Protect server, or there is no active policy set for the node.

System action

Processing stops.

User response

Verify that the node whose data you are trying to access is registered with the IBM Storage Protect server. If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server, then try the operation again. If the problem persists, contact your IBM Storage Protect administrator for further assistance.

FMV1097E: The client help text cannot be read from the help file.

Explanation

The help file was opened successfully and its table of contents are available, but there is a problem reading the text from the help file.

System action

Processing stopped.

User response

If the **DSM_DIR** environment variable is set, verify that it points to the directory containing the current level of IBM Storage Protect program files, then try the operation again. If the problem recurs, re-install the client software. If the problem persists, IBM Storage Protect technical support for further assistance.

FMV1098E: Process terminated; Program memory exhausted.

Explanation

The program used all available storage.

System action

Processing stopped.

User response

Free any unnecessary programs (TSRs) that are running, and retry the operation. Reducing the scope of queries and the amount of data returned can also solve the problem.

FMV1099E: File '*filename*' not previously archived

Explanation

You tried to give access to a file, which is not stored on the server.

System action

Processing stopped.

User response

Ensure that the correct filename is specified.

FMV1100E: File '*filename*' not previously backed up

Explanation

You tried to give access to a file, which is not stored on the server.

System action

Processing stopped.

User response

Ensure that the correct filename is specified.

FMV1101E: User is not authorized to encrypt *file-space* *namedirectory_pathfile_name*.

Explanation

The user is not authorized to encrypt the file. Normally, only a IBM Storage Protect authorized user or a root user can use IBM Storage Protect encryption. However, a certain combination of PASSWORDACCESS and ENCRYPTKEY options may allow encryption operations by a non-authorized user.

System action

The file is not backed up or restored.

User response

Log in as a root or IBM Storage Protect authorized user and try the operation again. See IBM Storage Protect Backup-Archive Client Installation and User's Guide for the correct usage of the ENCRYPTKEY option.

FMV1102E: An excessive number of command line arguments are passed to the program.

Explanation

This command processing routine received more operands than it can use. The rules are:

- Query can contain only one file specification.
- Restore and Retrieve can contain two file specifications.
- Archive, Incremental, and Selective can contain a maximum of 20 file specifications. To bypass the 20-operand limit, use the **-REMOVEOPERANDLIMIT** option on the failing archive, incremental, or selective command.

Note: The Client operates much more efficiently if it expands wild cards internally, rather than accepting the expanded list from the shell.

System action

Processing stopped.

User response

Reduce the number of arguments and retry the operation. For UNIX-based systems, ensure that you have surrounded the specification containing pattern matching characters with quotes. As an alternative, use the **-REMOVEOPERANDLIMIT** option on the failing **archive**, **incremental**, or **selective** command.

FMV1103E: Invalid management class entered**Explanation**

You entered an invalid management class.

System action

Requested operation is not possible.

User response

Retry the operation using a valid management class.

FMV1104E: The management class for this file does not have a valid archive copy group. This file will not be archived.**Explanation**

The management class for this file does not have an archive copy group specified. This file will not be archived.

System action

Processing stopped.

User response

Add a valid archive copy group to the management class, and then retry the operation.

FMV1105E: The management class for this file does not have a valid backup copy group. This file will not be backed up.**Explanation**

The management class for this file does not have a backup copy group specified. This file will not be backed up.

System action

Processing stopped.

User response

Add a valid backup copy group to the management class, and then retry the operation.

FMV1106E: ENCRYPTKEY SAVE not configured correctly. Encryption not used.

Explanation

This message is issued for IBM Storage Protect Authorized Users and root users when ENCRYPTKEY SAVE and PASSWORDACCESS PROMPT options are set. Please note that these are the default values. These values do not allow encryption.

System action

The file is not encrypted.

User response

To save encryption keys, you must change configuration values. Add PASSWORDACCESS GENERATE to your system option file.

FMV1107E: Invalid option/value: '*option*'

Explanation

You specified an incorrect IBM Storage Protect option or option value.

System action

For the command line client: Processing stops.

For the native GUI client: There is a small set of options critical to the initialization of the client. If an error is found in one of these, this message is presented and the client terminates without further processing.

User response

Specify a correct IBM Storage Protect option as defined in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1108E: Invalid option (*option*) for the *function* command.

Explanation

There are two possible reasons for this message:

- The *option* option was specified for a command or subcommand (*function*) that cannot make use of that option.
- The option appears on the initial command line and is not valid there.

System action

Processing stopped.

User response

See the *Backup-Archive Client Installation and User's Guide* for correct use of the named option.

FMV1110E: The client help file *file-name* could not be opened.

Explanation

This usually occurs when the help file *file-name* cannot be found.

System action

Processing stopped.

User response

If the **DSM_DIR** environment variable is set, verify that it points to the directory containing the current level of IBM Storage Protect program files, then try the operation again. If the problem recurs, re-install the client software. If the problem persists, IBM Storage Protect technical support for further assistance.

FMV1111E : The requested operation is not possible using the management class that was entered.

Explanation

The management class is not valid because the Data Version Exists value is greater than 30. For local backups on a VVOL datastore, this value must be 1 - 30.

System action

Processing stopped.

User response

Retry the operation using a valid management class.

FMV1113E: The snapshot cache location is not valid.

Explanation

The snapshot cache location must point to a local volume that is formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action

The client does not execute the snapshot backup operation.

User response

Specify a different snapshot cache location using the **SNAPSHOTCACHELOCATION** option.

FMV1114I: Waiting for mount of offline media.

Explanation

The server is waiting for the requested media to become available before the operation can continue.

System action

Waiting for requested data.

User response

None.

FMV1115W: File '*file-namefile-namefile-name*' excluded by Include/Exclude list

Explanation

You can not back up, archive, or migrate files that are excluded.

System action

The file can not be processed.

User response

If the file is intentionally excluded, then this message can be ignored. Otherwise modify the include/exclude list, restart the client, and try the operation again. Contact your IBM Storage Protect administrator for further assistance.

FMV1116E: The process is running in a non-interactive mode, but requires user input.

Explanation

This process requires keyboard input, but non-interactive processes are unable to read input from keyboard.

System action

processing stops.

User response

Perform the following actions to resolve this error:

- Run the product in interactive mode.
- Ensure your password is set correctly.

FMV1117E: The PICK and LATEST options are not valid together

Explanation

During a restore, PICK and LATEST options cannot be used together.

System action

Processing stopped.

User response

Try again using either the PICK **or** the LATEST option.

FMV1118I: Invalid file space number entered. Try again.

Explanation

The number that represents a file space was incorrect while you were using the **PICK** option.

System action

The process waits for your specification.

User response

Enter a correct file space number.

FMV1119I: Initiating the removal of '*filespace-name*' file space.

Explanation

Indicates that file space deletion has started on the specified *filespace-name*.

System action

None.

User response

None.

FMV1120E: Removal of file space '*filespace-name*' failed

Explanation

An attempt was made to delete a filespace (either NAS or normal) and it was unsuccessful.

- Your client registration may not be authorized to delete filspaces on the server. Look for message FMV1126E.
- The named filespace does not exist on the server. Look for message FMV1122W.
- Other causes which will be made known in messages following this one

System action

processing stops.

User response

Take action as recommended by other messages that accompanies this one. If so indicated, try to remove the file space again. If the problem continues, your IBM Storage Protect administrator has the authority to delete the file space for you.

FMV1121I: A request for removal of file space '*file space - name*' has been successfully sent to the server.

Explanation

IBM Storage Protect has requested deletion of the specified *file space - name*. The deletion process may not have actually been completed when this message is displayed. To verify successful deletion, consult the server logs.

It is possible for errors to occur on the server during the deletion process, or the file space might contain archive objects in deletion-hold status. In either case, the file space will not be deleted.

System action

None.

User response

None.

FMV1122W: File space '*file space - name*' does not exist on the server. The file space might have been deleted by another client using your client's node name or an administrator.

Explanation

The specified *file space - name* does not exist on the server. Your system administrator deleted the file space or another client using your client's node name might have deleted it.

System action

None.

User response

None.

FMV1123E: The vertical screen dimension is too small to display the Help directory. Increase your window height.

Explanation

Execution of the HELP command requires space for both the user prompts and at least one line of the HELP directory.

System action

The help directory is not displayed, and the help command cannot complete.

User response

Increase the size of your display window to allow more rows of text to be displayed.

FMV1125E: Unmatched Quotes: '*string*'

Explanation

The quotes specified in the pattern are not the same and do not make a set.

System action

Processing stopped.

User response

Correct the pattern using matching quotes in the syntax.

FMV1126E: The file space cannot be deleted because this node does not have permission to delete archived or backed up data.

Explanation

You cannot delete the file space data unless your IBM Storage Protect administrator has authorized your node to do so. Authorization permits you to delete backup data, archive data, or both.

System action

Delete processing fails.

User response

Use the DSMC QUERY SESSION command to verify your authorization. Ask your IBM Storage Protect administrator to provide the necessary authorization or to delete the file space for you.

FMV1127E: Your node does not have permission to delete archived files.

Explanation

You cannot delete archived files unless your IBM Storage Protect administrator has authorized your node to do so.

System action

IBM Storage Protect does not delete the archived files.

User response

Use the DSMC QUERY SESSION command to verify your authorization. Ask your IBM Storage Protect administrator to provide the necessary authorization.

FMV1128S: The management class assigned to directories does not exist.

Explanation

The management class named on the DIRMC option does not exist in your assigned policy set on the server. The error log contains an entry showing the invalid management class name.

System action

processing stops.

User response

Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Storage Protect administrator for further assistance.

FMV1129S: There is no backup copy group in the management class used for directories.

Explanation

The DIRMC option names a management class that contains no backup copy group.

System action

processing stops.

User response

Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Storage Protect administrator for further assistance.

FMV1130E: The drive has no label. The operation cannot continue.

Explanation

Backup or archive of removable media requires that the media have a volume label. An attempt was made to back up or archive data on a removable volume that has no label.

System action

The requested operation does not run.

User response

Create a volume label on the removable media, then try the operation again.

FMV1131E: A duplicate volume label exists. The operation cannot continue.

Explanation

For removable media, IBM Storage Protect uses the volume label as the file space name. To prevent data from different volumes being stored in the same file space on the IBM Storage Protect server, backup or archive of removable media volumes having duplicate volume labels is not allowed.

System action

The requested operation does not run.

User response

Change the volume labels on the removable media volumes so that there are no duplicate labels. Then restart IBM Storage Protect and try the operation again.

**FMV1132E: 'Access *rule*' Access Rule already defined for node '*node*'.
Old rule must be deleted before new one can be defined.**

Explanation

You are trying to define authorization for the specified node, which already has authorization defined.

System action

IBM Storage Protect did not redefine authorization for the specified node.

User response

Update the authorization, or delete the old rule and define a new one, or use the current authorization.

FMV1133W: An expression might contain a wildcard not enclosed in quotes.

Explanation

The command cannot be processed because a UNIX shell expands a wildcard expression, such as an asterisk (*) or a question mark (?), that has no quotes.

If the expression contains no wildcard characters and you wish to place more than the stated limit of operands on the Archive, Selective, or Incremental command, add the -REMOVEOPERANDLIMIT option to the command, and try it again.

System action

Command dependent.

User response

Enclose the wildcard expression in quotes, or add the -REMOVEOPERANDLIMIT option and enter the command again.

FMV1134E: Drive *drive-name* is an invalid drive specification

Explanation

The specified drive name is not valid; the drive probably has not been defined.

System action

Process skips the invalid drive and continues to the next drive.

User response

Check the invalid drive.

FMV1135E: Drive *drive-name1* is a virtual drive of *drive-name2*. It cannot be backed up or archived.

Explanation

One drive is a substitute (SUBST) of the other drive. The SUBST drive cannot be backed up or archived.

System action

The SUBST drive is skipped. Processing continues with the next drive.

User response

Do not specify any file specifications for a drive that is a substitute of another drive. Remove any explicit substitute drives from the DOMAIN statement or use the -<drive:> notation to remove a substitute drive if ALL-LOCAL is specified.

FMV1136E: Not file owner

Explanation

The file cannot be backed up because the client is not the file owner.

System action

The file is skipped.

User response

None.

FMV1137W: Invalid Index '*number*' skipped.

Explanation

An incorrect *number* was entered for the Index.

System action

Processing stopped.

User response

Correct the Index entry and retry the operation.

FMV1138E: The '*command-name*' command must be followed by a subcommand

Explanation

You entered an incomplete *command-name*.

System action

Processing stopped.

User response

Enter the correct syntax of the command and continue.

FMV1139W: '*object-nameobject-nameobject-name*' was restored as '*temp-name*'. A reboot is required to complete the restore.

Explanation

The file being restored was in use by another application, so it could not be immediately replaced. The file will be replaced during the next reboot of the operating system. It is important to note that until the reboot occurs, the system or its applications might be unstable. The degree of instability depends on the criticality of the file to the operating system or applications.

System action

The file was restored with a temporary name, and instructed the operating system to replace the original file with the restored file during the next boot of the operating system.

User response

Reboot the machine as soon as possible after the restore operation ends.

FMV1140E: Invalid format for Set Access command.

Explanation

The SET ACCESS command must have at least three operands, the first of which must be either BACKUP or ARCHIVE. A validly formed file specification must follow.

System action

Processing stopped, the command is not executed.

User response

Use the HELP SET ACCESS command for complete details of usage, then enter the SET ACCESS command using the correct syntax.

FMV1141W: Unknown command - *command-name*

Explanation

You entered an incorrect *command-name*.

System action

None.

User response

Enter the correct command.

FMV1143E: The DIRONLY and FILEONLY options are not valid together

Explanation

The DIRONLY and FILEONLY options cannot be used together.

System action

Processing stopped.

User response

Try again using either the DIRONLY **or** the FILEONLY option.

FMV1144W: Password authentication not active on server

Explanation

None.

System action

Processing stopped.

User response

Because password authentication is turned off on the server, you do not need to update the password.

FMV1145E: The maximum macro nesting level has been exceeded. Macros may be nested up to 10 levels.

Explanation

IBM Storage Protect allows macros to invoke other macros, for example, macro 'A' invokes macro 'B' which, in turn, invokes macro 'C'. This is nesting to 3 levels. The limit is 10 levels (the initial macro plus nine levels of calls within macros currently executng). There is no limit to the number of different macro calls that may be made within a macro as long as the calls are not nested.

System action

The macro is ignored and an error is returned.

User response

Reduce the level of macro nesting.

FMV1146E: Macro file '*file spec*' cannot be opened.

Explanation

A macro command has been entered that specifies the macro file name shown. However, that file cannot be opened for reading.

System action

The macro is ignored and an error is returned.

User response

Enter the command with the proper macro name.

FMV1147E: File is temporarily unavailable.

Explanation

File is temporarily unavailable.

System action

File skipped.

User response

Check and see if file is locked by other process. If not, retry the command.

FMV1148I: '*Command-name*' command successfully completed

Explanation

The specified *command-name* was successfully completed.

System action

Command completed.

User response

Continue with normal operations.

FMV1149E: No domain is available for incremental backup. The domain may be empty or all file systems in the domain are excluded.

Explanation

An incremental backup was started, but no domain was selected. Possible reasons for this message include:

- An attempt was made to back up a file system that is excluded with the EXCLUDE.FS option.
- The DOMAIN is empty. That is, a DOMAIN statement excludes one or more file systems, but no DOMAIN statements include any file systems.
- DOMAIN ALL-LOCAL is in effect but the system has no local file systems.

System action

processing stops.

User response

Verify that the DOMAIN statements are properly configured and try the backup again. DOMAIN statements can be in client option files (dsm.opt, dsm.sys), client option sets, schedule definitions, and scripted IBM Storage Protect commands. Corrective actions include:

- Make sure the DOMAIN option settings specify the file systems you want to back up.
- If a file system that should be backed up is excluded by an EXCLUDE.FS statement, remove the EXCLUDE.FS statement.

- If a file system that should not be backed up is listed in a DOMAIN statement, remove the file system from the DOMAIN statement.
- Make sure the DOMAIN is not empty. That is, if any DOMAIN statements exclude file systems from backup, make sure the DOMAIN statements include the file systems that should be backed up.

FMV1150E: Unable to restore current user profile because you are running as a local system account.

Explanation

The local system account does not have a profile. Therefore you cannot restore its profile.

System action

Processing stops.

User response

Log on to the user whose profile you want to restore.

FMV1151E: '*drive-name1*' is not a cluster disk.

Explanation

The indicated file system is not a cluster disk. Because the **CLUSTERNODE** option is set to YES, the file system cannot be backed up or archived.

System action

Processing stops.

User response

If the **CLUSTERNODE** option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the client to run in a cluster environment.

FMV1153E: '*drive-name1*' is a cluster disk.

Explanation

The indicated file system is a cluster disk. Because the **CLUSTERNODE** option is set to NO, the file system cannot be backed up or archived.

System action

Processing stops.

User response

If the **CLUSTERNODE** option is incorrectly set to NO, then change the option to YES and try the operation again. Otherwise see the client manual for further information about configuring the client to run in a cluster environment.

FMV1154E: Object name '*filepath-namefile-name*' contains an invalid multibyte sequence for the current locale.

Explanation

An illegal multibyte sequence for the current locale was found in the object name. Either the path or file name has been corrupted or is coded in a language other than that of the current locale.

System action

Object skipped.

User response

If the file name and path are not corrupted, process the file in the locale for which it is valid.

FMV1155E: No domain is available for image backup.

Explanation

An image backup was started, but no domain was specified.

System action

Processing stopped.

User response

Choose a domain and restart the image backup. Set the image domain using the domain.image option in your dsm.opt file, either manually, or by using the GUI preferences editor.

FMV1156E: NODENAME cannot be the local machine name when CLUSTERNODE is set to YES

Explanation

When IBM Storage Protect is running as a cluster node, the node name cannot be the local machine name.

System action

Processing stops.

User response

Change the node name either to the cluster name or to any other name, and restart IBM Storage Protect.

FMV1157E: The registry cannot be backed up or restored when the client is running as a cluster node.

Explanation

When the **CLUSTERNODE** option is set to YES, the registry cannot be backed up or restored.

System action

The registry is not backed up or restored.

User response

If the **CLUSTERNODE** option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the client to run in a cluster environment.

FMV1158E: The event logs cannot be backed up or restored when the client is running as a cluster node.**Explanation**

When the **CLUSTERNODE** option is set to YES, the event logs cannot be backed up or restored.

System action

The event logs are not backed up or restored.

User response

If the **CLUSTERNODE** option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the client to run in a cluster environment.

FMV1159E: The specified file is being used by another process**Explanation**

The specified file is being used by another process. You tried to read from or write to a file that is currently being used by another process.

System action

Processing stopped.

User response

Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

FMV1162E: Filesystem could not be mounted**Explanation**

The system call to mount the file system failed.

System action

The file system remains unmounted.

User response

Use the mount command to mount the file system. On AIX, run fsck if requested by the operating system.

FMV1163E: Filesystem could not be unmounted.

Explanation

The system call to unmount the file system failed.

System action

The logical volume operation is not performed.

User response

Make sure the device or file system is not being accessed, then retry the operation.

FMV1164E: Filesystem is not mounted

Explanation

The named file system is not currently mounted. It must be mounted for IBM Storage Protect to perform an image backup.

System action

The logical volume operation is not performed.

User response

Mount the file system.

FMV1165E: Destination is smaller than source

Explanation

The space allocation for the selected destination is smaller than the source.

System action

The restore operation is not performed.

User response

Choose a different, bigger destination or increase the size of the destination file space.

FMV1166E: Source and destination are not the same file system type.

Explanation

The source and destination file system types do not match.

System action

The requested logical volume operation is not performed.

User response

Choose a destination that has the same file system type as the source.

FMV1168E: ERROR: could not create image object.

Explanation

Creation of the image object failed for one of the following reasons:

- The image command was executed by a non-root user
- The image plugin library was not found.

System action

The requested logical volume function is not performed.

User response

Retry the operation after correcting the cause for failure.

FMV1169W: There is no table of contents for *image-name*.

Explanation

The image item for which a table of contents was requested is either a RAW logical volume or it was backed up without the -TOC option.

System action

No table of contents is displayed.

User response

Select another image object for TOC display.

FMV1170I: Invalid selection number entered. Try again.

Explanation

A number not shown in the list of images was selected. It is either less than one or greater than the highest item number displayed.

System action

Client prompts for you to enter a valid selection.

User response

Enter a number from the list or 'Q' to quit.

FMV1177E: Must specify a path for this operation.

Explanation

A path must be specified for this operation to execute successfully.

System action

Processing stops.

User response

Specify a valid path and execute the command again.

FMV1181E: There was a communication failure with the journal service.

Explanation

An error occurred using named pipe communication with the journal service.

System action

Processing stops.

User response

Restart the journal service, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1183E: An unknown error occurred while processing system object '*sys-obj-name*': MS API function '*func-name*' failed with error *error* (*error*)

Explanation

An unknown error occurred while processing a system object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action

IBM Storage Protect ended the current operation.

User response

Contact your system administrator for more information.

FMV1184W: The *command subcommand* command is not supported on this client.

Explanation

The *command subcommand* command is not supported for the client running on this operating system on this computer.

System action

The command is not processed.

User response

None.

FMV1185E: The help search argument you supplied "*string*" is either too long or contains unmatched quotes.

Explanation

Valid arguments are the names of things like section numbers, command names, option names and message numbers. All of these search arguments are short and none requires quoting.

System action

The help request is not executed and you are given another chance to enter a valid argument, display the table of contents, or exit help.

User response

Respond to the subsequent prompt as directed.

FMV1186I: The named file does not have the content to support the help section. Requests for message help will all result in topic not found. Enter a section number, option name, command name, or a command and subcommand. Otherwise press enter or 't' to display the table of contents or 'q' to exit help:

Explanation

Reinstall the product to correct the help file.

System action

The help command pauses and allows you to make another selection.

User response

During installation a proper help file was created. Your system administrator can assist you with retrieving the original help file to replace the named invalid file.

FMV1187E: The named helpfile "*filename*" has invalid content.

Explanation

Reinstall the product to correct the help file.

System action

The help command is terminated.

User response

During installation a proper help file was created. Your system administrator can assist you with retrieving the original help file to replace the named invalid file.

FMV1188E: The selected filesystem is managed by HSM, and therefore is not a valid object for image operations

Explanation

Due to the nature of HSM, image backup is not allowed on managed filesystems.

System action

The requested logical volume operation is not performed.

User response

None.

FMV1189E: The DIRONLY and V2ARCHIVE options are not valid together

Explanation

The DIRONLY and V2ARCHIVE options cannot be used together.

System action

Processing stopped.

User response

Try again using either the DIRONLY or the V2ARCHIVE option.

FMV1190E: Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response

Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMV1191E: Unable to delete symbolic link '*link*'.

Explanation

Log '*linkname*' cannot be a symbolic link.

System action

Processing stops.

User response

Delete the symbolic link '*linkname*'.

FMV1192E: Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation

Error log '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response

Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMV1193E: Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation

For reasons of security and system integrity, the trace file '*linkname*' cannot be a symbolic link.

System action

The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response

Use the TRACEFILE option to specify the actual trace file location without the use of symbolic links.

FMV1199E: The PRESNAPSHOTCMD command failed. The image snapshot backup will not be executed.

Explanation

The command specified by the PRESNAPSHOTCMD option must complete successfully in order to execute the image snapshot backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the image snapshot backup is not executed.

System action

The client does not execute the image snapshot backup operation.

User response

Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1200W: The POSTSNAPSHOTCMD command completed with a non-zero return code.

Explanation

If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, then the image snapshot backup operation will continue, but with a warning-level result. Note that the result of the POSTSNAPSHOTCMD command will not supercede a higher result from the image snapshot backup command. For example, if the image snapshot backup command completed with a return code of 12, the image snapshot backup will be considered to have completed with a return code of 12, regardless of the outcome of the POSTSNAPSHOTCMD command.

System action

The image snapshot backup continues, but with a warning return code of at least 8.

User response

Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1201E: IBM Storage Protect cannot build a directory path because a file exists with the same name as the directory.

Explanation

None

System action

Processing stopped.

User response

Remove or rename the file that has the same name as the directory. Alternatively, you can restore the directory to a different location.

FMV1202E: TOC backup for the image failed. Check log files.

Explanation

An error occurred during backup of the table of contents. Check the error log for more information.

System action

The requested logical volume operation is not performed.

User response

Check error log.

FMV1203E: Table of Contents not available for selected backup set. Please contact server administrator.

Explanation

There is no TOC for selected backup set

System action

Expansion of selected backup set will not be possible. Will only be able to restore the whole backup set.

User response

Please contact server administrator to regenerate TOC for backup set before backup set can be expanded.

FMV1204E: This client is not supported by the IBM Storage Protect express server

Explanation

This client is not supported by the IBM Storage Protect express server. This can occur if:

1. the client is configured as an IBM Storage Protect express client using the CLIENTVIEW option
2. the client is trying to connect to an IBM Storage Protect express server.

System action

Processing stops.

User response

Log in using a supported IBM Storage Protect express client.

FMV1205E: This is not a supported IBM Storage Protect express platform

Explanation

This is not a supported IBM Storage Protect express platform.

System action

Processing stops.

User response

Log in using a supported IBM Storage Protect express client.

FMV1206E: TOC backup of a raw device is not supported. But the raw device is backed up.

Explanation

TOC backup of a raw device is not supported. But the raw device is backed up.

System action

Raw device is backed up with no TOC object.

User response

NONE.

FMV1207E: No TOC has been previously backed up for this file system.**Explanation**

The user is trying to query the TOC of a file system. TOC backup for that file system has not been previously done.

System action

Query stopped.

User response

Backup the file system again with -TOC option.

FMV1209E: The *option_name* option is not supported with the *command_name* command using the -FILELIST option.**Explanation**

The specified option is not supported with the specified command when the -FILELIST option is also specified.

System action

The command is not processed.

User response

>Do not specify the offending option when the -FILELIST option is specified with this command.

FMV1212I: Invalid Process number entered. Try again.**Explanation**

A number not shown in the list of processes was selected. It is either less than one or greater than the highest item number displayed.

System action

Client prompts for a valid selection.

User response

Enter a number from the list or 'Q' to quit.

FMV1213W: Snapshot image backup is not possible for device *device-name*. starting static image backup.

Explanation

On Linux platforms, snapshot image backup is only possible for logical volumes created by the Linux logical volume manager (LVM). Since the default image backup type is snapshot, backing up a partition which is not created using LVM automatically leads to a static image backup.

System action

Snapshot image backup will failover to static image backup

User response

To avoid this message, use the `imagetype` option to specify static or dynamic image backup.

FMV1214E: The logical volume group does not have enough free space to contain the volume snapshot.

Explanation

The snapshot is created in the volume group that contains the logical volume being backed up. There is insufficient free space in the volume group to contain the snapshot.

System action

The operation ends.

User response

Decrease the `SNAPSHOTCACHESIZE` value or make additional space available in the logical volume group. Then try the operation again.

FMV1215E: On volumes that are RAW or formatted FAT32 the snapshot cache location cannot be located on the same volume that is being backed up.

Explanation

When the snapshot cache location is located on the same volume that is being backed up the volume must be formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed.

System action

The client does not execute the image snapshot backup operation.

User response

Specify a different snapshot cache location using the `SNAPSHOTCACHELOCATION` option.

FMV1216E: Not authorized to run IBM Storage Protect. See the administrator for your system.

Explanation

The system options file for the server that you are attempting to connect to contains a user entry, a group entry, or both a user and group entry. Your user ID, or group ID, was not found in any of the entries. You are currently not authorized to run IBM Storage Protect to this server.

System action

IBM Storage Protect initialization fails and the program ends.

User response

See the IBM Storage Protect administrator for your system, and ask to be added to the user or group list for this server.

FMV1217E: Server name not found in System Options File

Explanation

The system options file does not contain the SERVERNAME option.

System action

IBM Storage Protect initialization fails and the program ends.

User response

See the IBM Storage Protect administrator for your system, and make sure that the system options file contains the server name.

FMV1218E: TCPSERVERADDRESS not defined for this server in the System Options File

Explanation

The TCPSERVERADDRESS for this server is not defined in the server name stanza in the system options file.

System action

IBM Storage Protect initialization fails and the program ends.

User response

See the IBM Storage Protect administrator for your system, and make sure that the server to which you are trying to connect, has a valid TCPSERVERADDRESS defined in the system options file.

FMV1219E: A virtual node name must not equal either a node name or the system host name.

Explanation

A VIRTUALNODENAME option was entered with a name the same as either a NODENAME option or the system host name.

System action

Initialization fails and the program ends.

User response

If the virtual node name entered was the same as the host name, remove the virtual node name option. If it was the same as the node name option, you can remove either one, depending upon the intended usage. Node name is used to assign an alternate name to your system. Virtual node name is used to access another system's server data.

FMV1220E: The IBM Storage Protect server is out of resources.**Explanation**

A lack of a storage resource or a maximum value condition does not allow any new activity.

System action

Current operation has been cancelled.

User response

Try the operation again at a later time. If the problem continues, contact your IBM Storage Protect administrator to isolate what resource is unavailable. The IBM Storage Protect administrator can check the IBM Storage Protect server activity log for messages that might explain the problem.

FMV1221E: Transaction aborted**Explanation**

The current transaction between the server and the client stopped. A server, client, or communication failure cannot be recovered.

System action

Current operation has been cancelled.

User response

Retry the operation. If the problem continues, see your system administrator to isolate the problem.

FMV1222E: Disk space limit for this process reached**Explanation**

The disk space allocated for the client owner is full.

System action

Processing stopped.

User response

Free up disk space and retry the restore or retrieve operation.

FMV1223E: File is not compressed; System failure.

Explanation

A file that was flagged as compressed was not compressed, and the system failed.

System action

Processing stopped.

User response

See your system administrator to report this problem. This error is a system failure.

FMV1224E: File compressed on a different client machine that has more memory

Explanation

You are trying to restore a file that was backed up and compressed on another client workstation that had more memory than your client workstation. You cannot restore this file. When the file is restored, it is expanded and your workstation does not have enough memory.

System action

Current operation has been cancelled.

User response

Obtain a machine with more memory and retry the operation.

FMV1225E: Insufficient memory for file compression/expansion

Explanation

Not enough memory is available to do data compression or expansion. For a restore or retrieve, the file cannot be recalled from the server until more storage is made available. For a backup or archive, try running without compression if storage cannot be made available.

System action

Processing stopped.

User response

Free up extra storage for the operation to continue, or run the backup or archive process without compression enabled.

FMV1226E: Destination file or directory is write locked

Explanation

The file or directory being restored or retrieved from the server cannot be written to because the destination is write locked. Another operation might have the file open and will not allow it to be updated.

System action

File skipped.

User response

Either determine which operation has the file write locked, or restore the file to another name or location.

FMV1227E: Processing stopped; Disk full condition

Explanation

No more files can be restored or retrieved because the destination disk is full.

System action

Processing stopped.

User response

Free up disk space, or restore or retrieve the file to another disk.

FMV1228E: Sending of object '*object-nameobject-nameobject-name*' failed.

Explanation

The specified file (*object-name*) cannot be sent to the server. This message is accompanied by at least one other message that has more specific information about why the file could not be processed.

System action

File skipped.

User response

Check previous messages pertaining to this file that indicate the reason for the failure. Where applicable, correct the conditions that prevented the file from being sent to the server. The specific corrective actions will depend on the reason for the failure.

FMV1229E: MODE=INCREMENTAL is not valid on *file-space*. Image backup not processed.

Explanation

Because the file space has been the subject of at least one progressive incremental backup, the MODE=INCREMENTAL option (incremental by image date) cannot be used with the backup image command.

System action

File system skipped.

User response

If an image backup of the named file space is desired, retry the command without the MODE=INCREMENTAL option. To prevent this behavior in the future, delete the file space from the server and do only BACKUP IMAGE -mode=selective and BACKUP IMAGE -mode=incremental from that point on.

FMV1230E: Stale NFS File Handle

Explanation

An NFS file system becomes stale.

System action

File system skipped.

User response

Check the NFS mounted filesystem.

FMV1231E: No file handles available

Explanation

All file handles for your system are currently in use. No more are available.

System action

Processing stopped.

User response

Either free some file handles by ending other processes, or modify your system setup to allow for more files to be open at the same time.

FMV1232E: The file exists and cannot be overwritten.

Explanation

The file being restored or retrieved exists and cannot be overwritten due to lack of authority or access permissions.

System action

The file is skipped.

User response

Verify that you have sufficient access permissions to overwrite the file, then try the operation again. If the problem persists, contact your system administrator or IBM Storage Protect administrator for further assistance.

FMV1233E: An invalid file handle was passed; system error.

Explanation

An internal system error occurred: A file operation failed because of an invalid file handle.

System action

processing stops.

User response

Try the operation again. If the failure persists, obtain a service trace that captures the problem and contact IBM Storage Protect technical support for additional assistance. Your IBM Storage Protect administrator can help you configure the trace.

FMV1234E: Protocol violation

Explanation

A communications protocol error occurred. The communication subsystem is not properly defined or is itself in error.

System action

Processing Ends.

User response

Verify that the communication processes are operating properly, and then retry the operation.

FMV1235E: An unknown system error has occurred from which IBM Storage Protect cannot recover.

Explanation

An unknown error occurred. This might be a low-level system or communication error from which IBM Storage Protect cannot recover.

System action

Processing stops.

User response

Try the operation again. If the problem persists, review the IBM Storage Protect error log for any related messages. Obtain a service trace that captures the problem and contact IBM Storage Protect technical support for additional assistance. Your IBM Storage Protect administrator can help you configure the trace.

FMV1236E: An unexpected error occurred.

Explanation

This is usually caused by a low-level system error or communication error from which IBM Storage Protect cannot recover.

System action

Processing stopped.

User response

Examine the client error log for any additional messages that might be related to this problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1237E: A problem has occurred on the IBM Storage Protect server.

Explanation

The client error log and the IBM Storage Protect server activity log might contain additional information about this error.

System action

Processing stops.

User response

Try the operation again. If the problem persists, examine the client error log and IBM Storage Protect server activity log for additional information about this error. If the problem cannot be resolved, then obtain a **SERVICE** trace that captures the problem and contact IBM Storage Protect technical support for additional assistance. Your IBM Storage Protect administrator can help you configure the trace.

FMV1238S: A policy management problem has occurred on the IBM Storage Protect server.

Explanation

The client error log and IBM Storage Protect server activity log may contain additional information about this error.

System action

Processing is stops.

User response

Try the operation again. If the problem persists, examine the client error log and IBM Storage Protect server activity log for additional information about this error. If the problem cannot be resolved, then obtain a **SERVICE** trace that captures the problem and contact IBM Storage Protect technical support for additional assistance. Your IBM Storage Protect administrator can help you configure the trace.

FMV1241E: File is in use; Write permission denied.

Explanation

The current file cannot be opened to write to because it is currently being run by another operation.

System action

File skipped.

User response

Stop the operation that is running the file and retry the operation, or restore or retrieve the file to a different name or directory.

FMV1242E: Too many symbolic links were detected while resolving name

Explanation

While trying to resolve the file name, too many symbolic links were found.

System action

File skipped.

User response

Ensure that you do not have a looping symbolic link for the file.

FMV1243E: The file name is too long and can not be processed by IBM Storage Protect**Explanation**

The size limit for file names may vary by operating system. The most common limit is 256 characters. The file name being processed exceeds the limit supported by IBM Storage Protect on this system.

System action

The file is skipped.

User response

Enter HELP FILE SPEC or see the client manual for the operating system on which you are receiving this error. The "File specification syntax" section of the manual explains file name lengths supported by IBM Storage Protect.

FMV1244E: File system is locked by system**Explanation**

File system cannot be accessed because it is locked by the system.

System action

The operation cannot be completed.

User response

See your system administrator.

FMV1245E: The file has an unknown format.**Explanation**

The process tried to restore or retrieve a file, but it had an unknown format.

System action

The file is skipped.

User response

The file was either backed up by another application, or the data is invalid. If the file belongs to this system, try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1246E: A command-line argument exceeded the maximum length (*maximum length*) for a single token.

Explanation

Command-line arguments may not exceed *maximum length* characters.

System action

The command is not processed.

User response

Correct the command and retry the operation.

FMV1247I: Waiting for files from the server...

Explanation

Restore request has been sent to the server. The wait time depends on how many files you are restoring.

System action

IBM Storage Protect waits for files to restore from the server.

User response

None.

FMV1248E: An active restore for the same source file specification exists. Unable to continue with this request.

Explanation

Currently, there is an active restore for the same source file specification. Another restore of the same source file specification cannot be started.

System action

The requested restore fails.

User response

Start another restore with a different source file specification.

FMV1249W: Server cannot restart the last restore request. Do you want to restore without restart or abort the request?

Explanation

The restart restore token has expired. The server cannot restart the restore from where it last ended.

System action

Processing stopped; waiting for user intervention.

User response

Retry the request without restart or abort the request.

FMV1251E: File system/drive not ready**Explanation**

The file system/drive was not ready for access.

System action

Processing stopped.

User response

Ensure that the drive is available , and then retry the operation.

FMV1252W: The server that you are connected to does not support this function.**Explanation**

You attempted to run a backup-archive client operation when connected to the virtual server. Backup-archive client operations are not supported when connected to the virtual server.

System action

The operation fails.

User response

Connect to a valid server before attempting this function.

FMV1253E: File input/output error**Explanation**

An error was found while reading from or writing to the file.

System action

File or file system is skipped.

User response

Check your system to ensure that it is operating properly. For OS/2, run CHKDSK /F for the failing drive which can be found in dsmerror.log.

FMV1254E: File write error**Explanation**

An error was found while writing to the file.

System action

File skipped.

User response

Check your system to ensure that it is operating properly.

FMV1255E: File exceeds system/user file limits**Explanation**

A file being restored or retrieved exceeds system set limits for this user.

System action

File skipped.

User response

Ensure that the system limits are set properly.

FMV1256E: Cannot make file/directory**Explanation**

The directory path for files being restored or retrieved cannot be created.

System action

File skipped.

User response

Ensure that you have the proper authorization to create the directory for file being restored or retrieved. Make sure that you have write access.

FMV1257E: An error occurred while preparing the system object for restore.**Explanation**

This message is typically issued when the client is unable to delete the ADSM.SYS staging directory in preparation for restoring the system object.

System action

The system object is not restored.

User response

Check the error log for any other messages that might indicate a reason for the failure, correct any indicated problems, then try the operation again. If the problem occurs again, manually delete the ADSM.SYS directory, then try the operation again. If the problem cannot be resolved, contact IBM Storage Protect technical support for further assistance.

FMV1258E: The image snapshot operation failed.

Explanation

The process was not able to take a snapshot of the specified volume.

System action

Processing stopped.

User response

Check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1259E: The image snapshot operation failed. Diagnostic text: *diag_text*.

Explanation

An error was encountered during image backup snapshot processing. The diagnostic text can vary, depending on the error.

System action

The operation ends.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Take any corrective action suggested by the messages, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1260E: File is being recalled or has been recalled.

Explanation

The file is being recalled by another process or has been recalled.

System action

File skipped.

User response

None

FMV1261W: The archive description you specified is the empty string. The process will use the default description (Archive Date: current date).

Explanation

The description option on the archive command may not specify a null string.

System action

Processing continues, and the description option is ignored.

User response

None. Specify at least one character in the description

FMV1262E: The password is not updated. Either an invalid current password was supplied or the new password does not fulfill the server password requirements.

Explanation

The password is not updated because of one of the following reasons:

- You entered an incorrect current password or
- You entered a new password that does not fulfill the password length requirements. The length requirements are set on the server.

System action

The password is not updated on the server.

User response

Enter another password.

FMV1263E: The active policy set does not contain any backup copy groups. The backup operation can not continue.

Explanation

In order to back up files, the policy set must contain at least one backup copy group.

System action

IBM Storage Protect did not backup the file.

User response

The IBM Storage Protect administrator needs to update or define at least one management class in your policy set that contains a backup copy group, or else assign you to a different policy domain that contains at least one backup copy group. Contact your IBM Storage Protect administrator for further assistance.

FMV1264E: The active policy set does not contain any archive copy group. The archive operation cannot continue.

Explanation

In order to archive files, the policy set must contain at least one archive copy group.

System action

IBM Storage Protect did not archive the file.

User response

The IBM Storage Protect administrator needs to update or define at least one management class in your policy set that contains an archive copy group, or else assign you to a different policy domain that contains at least one archive copy group. Contact your IBM Storage Protect administrator for further assistance.

FMV1265E: Encountered bad mount or filesystem, processing stopped.

Explanation

The getmnt system call returned an error indication. Error was encountered trying to determine what the mounted file systems are.

System action

Processing stopped. Cannot recover.

User response

There is a bad file system or mount point on your system. Look at file systems and mounts, and correct any errors. If unsuccessful, see your system administrator for more information.

FMV1266E: Encountered bad mount or filesystem, processing stopped.

Explanation

An error was encountered trying to determine what the mounted file systems are.

System action

Processing stopped. Cannot recover.

User response

Please, see your system administrator for more information.

FMV1267E: The management class for file *file-name* does not allow migration. This file will not be migrated.

Explanation

The management class for this file does not allow migration

System action

File is skipped.

User response

Either have the IBM Storage Protect administrator change the Space Management Technique within the management class to a value other than NONE or change the include/exclude list to specify a management class with the appropriate Space Management Technique value.

FMV1268E: This file has been migrated.

Explanation

The error can result from migrating a file with hard links. After a file with hard links is migrated, attempts to migrate the alias files yield an error.

System action

The file is skipped.

User response

If this error is not a result of a hard linked file migration, then this error might be due to the previous cancelled migration or recall operation. In this case, restart the dsmrecalld daemon and try the operation again.

FMV1269I: File is implicitly excluded.

Explanation

You tried to back up or migrate a file that is implicitly excluded.

System action

IBM Storage Protect will not back up or migrate an implicitly excluded file.

User response

None.

FMV1270E: Running this command requires a valid NetApp Snapshot Differential c-mode license file.

Explanation

A NetApp Snapshot Differential c-mode license file either does not exist or is not valid.

System action

Processing stops.

User response

Contact IBM Storage Protect support.

FMV1271E: The compressed file is corrupted and cannot be expanded correctly.

Explanation

The compressed file cannot be expanded correctly due to one of the following reasons:

- There is a problem on the tape.

- There is a communications problem.

- The compressed file was corrupted on the IBM Storage Protect Server.

System action

File skipped.

User response

1) The compressed file is corrupted because there is a problem on the tape. To know if this is the problem, please issue the following command on the IBM Storage Protect Server: audit volume <volume_name> fix=no If there is any problem reported, you could move the data from that volume to a new one (see command MOVE DATA) and try again the restore. 2) There are communications problems between the IBM Storage Protect Server and the IBM Storage Protect Client and the results is that the file is corrupted during the transmission. If you use a gigabit Ethernet adapter on the Server please upgrade the card driver (AIX platform) or add provided by SUN suggested changes to some system network options which have resolved this problem (SUN platform). 3) Please verify with your network support if during the restore there are no any problems between the IBM Storage Protect Client/Server that is originating the file corruption.

FMV1272W: Adaptive subfile backup has been configured on the client but the server doesn't allow this type of backup. Adaptive subfile backup will not be used for this operation.

Explanation

Adaptive subfile backup forced off by the server.

System action

Processing continues.

User response

Set up the server to allow clients to back up subfiles.

FMV1273I: Microsoft Windows hotfix '*hotfix-number*' is not installed.

Explanation

This message is issued On Windows 7, Windows Server 2008 R2, Windows Vista, and Windows Server 2008. This hotfix is known to release new API enhancements for Windows to help correctly and securely load external libraries. Visit the Microsoft support page <http://support.microsoft.com> for more information about the hotfix.

System action

Processing continues.

User response

On Windows 7, Windows Server 2008 R2, Windows Vista, and Windows Server 2008 you must apply the package KB2533623 prior to performing the Snapshot differential backup. If backup-archive client operations that use OpenSSL do not complete successfully due to OpenSSL related errors, install the hotfix, then try the operation again.

FMV1274E: Error Loading WINSOCK.DLL

Explanation

Error loading the Windows socket support file into memory. This error only applies when using TCP/IP communications.

System action

Connection to server fails.

User response

Because this error is caused by insufficient memory, shut down running applications and retry. If the problem persists, see your system administrator.

FMV1275E: Error Loading Function(s) from WINSOCK.DLL**Explanation**

Error loading one or more functions from the Windows socket support file.

System action

Connection to server fails.

User response

Since this might possibly be caused by insufficient memory, shut down running applications and retry. If the problem persists, see your system administrator.

FMV1278W: Virtual mount point '*filesystem-name*' is a file system. It will be backed up as a file system.**Explanation**

A virtual mount point that is a file system is invalid and should be deleted.

System action

The virtual mount point is ignored.

User response

Delete the virtual mount point.

FMV1279W: Virtual mount point '*filesystem-name*' cannot be used in a file system handled by automounter and is ignored.**Explanation**

Virtual mount points cannot be used in a file system handled by automounter. If virtual mount points reside in a file system that is processed from an automounter, the backed up files underneath the virtual mount points will be expired when the file system is unmounted.

System action

The virtual mount point is ignored.

User response

Delete the virtual mount point.

FMV1286E: -nasnodename option required for this operation.

Explanation

User issued a NAS related command and NASNodename option is missing.

System action

Operation aborted.

User response

Use -nasnodename option with the command or place nasnodename option in the option file.

FMV1287E: Volume could not be locked.

Explanation

The system call to lock the volume failed.

System action

Processing stopped.

User response

Please verify that no other application is accessing the volume. If this volume is being accessed by applications that can not be shutdown during backup then perform an online image backup (snapshot) instead. During restore of an image IBM Storage Protect must have exclusive use of the volume.

FMV1288E: The (-TYPE) option is required with the SET EVENT command.

Explanation

There is no default value for the -TYPE option. It must be explicitly entered with the command.

System action

The current command ends.

User response

Enter the SET EVENT command again with the TYPE option and a value of HOLD, RELEASE, or ACTIVATERETENTION.

FMV1289W: Bad areas on '*volume*' between sectors *hi:lo* and *hi:lo*

Explanation

Some bad sectors within the specified range were detected on the volume during image operation.

System action

Processing continues.

User response

Make sure the volume data is not corrupt by using system tools like chkdsk (Windows) or fsck (UNIX).

FMV1300E: File '*file_name*' cannot be reconstructed because a necessary component was not restored.

Explanation

The subfile backup technique was used to back up this file. During the restore, a portion of the file was not be obtained from the server.

System action

The file indicated in the message is not restored. Restore for all other files continues.

User response

Try to restore the file again by selecting the file for restore from the user interface. You can also check the client error log and the server activity log for any messages related to the file indicated in the message.

FMV1301E: This operation cannot continue due to an error on the IBM Storage Protect server. See your IBM Storage Protect server administrator for assistance.

Explanation

The IBM Storage Protect server encountered an error condition that prevents the IBM Storage Protect client operation from continuing. Your IBM Storage Protect server administrator can review the IBM Storage Protect server activity log for more details about the error.

System action

Processing stopped.

User response

Contact your IBM Storage Protect server administrator for assistance. The administrator can review the IBM Storage Protect server activity log for further information about the conditions that lead to this error.

FMV1302E: No objects on server match query

Explanation

No objects on the server match the query operation being performed. If this object is part of a backupset generated on a node, and the node name is changed on the server, any backup set objects that were generated prior to the name change will not match the new node name.

System action

Processing stopped.

User response

Ensure the names are properly entered. If the object is part of a backupset generated prior to a node name change, ensure that the node name is the same as the node for which the backup set was generated.

FMV1303E: Client ended transaction

Explanation

The client system ended the operation with the server and ended the current transaction.

System action

Processing stopped.

User response

Restart the session.

FMV1304W: An active backup version could not be found.

Explanation

An attempt was made to expire an object, but the IBM Storage Protect server was unable to find an active backup version of the object. This message is preceded by message FMV1228E which specifies the object name. For instance, this message could be issued if two separate client processes are backing up the same file system at the same time. If one of the processes expires a file, then the IBM Storage Protect server will make that file inactive. If the second process subsequently attempts to expire that same file, the IBM Storage Protect server will not find an active version of the file, so the second process will issue this message for that file.

System action

The object is not expired. Processing continues with the next object.

User response

- Review the console output, schedule log, or error log and locate the FMV1228E message that immediately precedes this message. FMV1228E will identify the object that could not be expired.
- Examine the conditions under which the problem occurred and assess whether those conditions explain the occurrence of this message. For example, this message could appear if multiple instances of the client were attempting to back up the file system concurrently.
- If the reason this message occurred can not be determined and the message occurs when the operation is tried again, then contact IBM Storage Protect support for further assistance. Also try searching for this message number on <http://www.ibm.com> for possible solutions.

FMV1305E: The IBM Storage Protect server has no data for the object.

Explanation

IBM Storage Protect tried to do a restore or retrieve on an object that has no data associated with it. If a corrective action is possible, it is with the IBM Storage Protect server.

System action

IBM Storage Protect ends the current operation.

User response

Ask the IBM Storage Protect administrator to check the IBM Storage Protect activity log for any messages related to this error that might help identify the problem.

FMV1306E: You entered an incorrect password.

Explanation

You entered an incorrect current password or you entered a new password that does not fulfill the password length requirements set on the server.

System action

Processing stops.

User response

Retry the session with the correct password. If this fails or you have forgotten your password, ask the IBM Storage Protect administrator to assign a new password.

FMV1307E: Node in use

Explanation

The node you are running on is in use by another operation on the server. This might be from another client or from some activity on the server.

System action

Processing stopped.

User response

Retry the operation, or see your system administrator to see what other operations are running for your node.

FMV1308E: Expiration date must be greater than today's date

Explanation

Archive expiration date is too low, the date must be greater than today's date.

System action

IBM Storage Protect canceled the current operation.

User response

Retry archiving the file with an expiration date that is higher than today's date.

FMV1309I: The requested data is offline.

Explanation

For the restore or retrieve operation, one or more of the requested files must be recalled from offline storage media (generally tape). The wait time depends on your site's offline storage management policies.

System action

IBM Storage Protect waits for offline storage media to become available and then continues.

User response

None.

FMV1310E: Object too large for server limits**Explanation**

The object is too large. The configuration of the server does not have any data storage space that accepts the object.

System action

File skipped.

User response

See your system administrator to determine the maximum file (object) size for which your site's server is configured.

FMV1311E: Server out of data storage space**Explanation**

The server does not have any space available to store the object.

System action

Processing Ends.

User response

You can take any of the following actions:

- Request the system administrator to add space to the storage pool.
- For IBM Storage Protect client, set COMPRESSALWAYS=NO and COMPRESSIon=YES in the options file (DSM.OPT), then the file will be resent uncompressed if it grows during compression.
- For API Applications, consult the application's documentation for recommendations regarding compression.
- Turn off disk caching in the disk storage pool, and issue MOVE DATA commands to each disk pool volume to clear out the cached bitfiles.

FMV1312E: Server media mount not possible**Explanation**

Server media mount not possible. The server timed out waiting for a mount of an offline volume.

System action

File skipped.

User response

Retry later when server volumes can be mounted. Ensure that the MAXNUMMP (maximum number of mount points) defined on the server for this node is greater than 0.

FMV1313E: Size estimate exceeded

Explanation

The total amount of data for a backup or archive operation exceeds the estimated size originally sent to the server for allocating data storage space. This happens when many files are growing by large amounts while the backup or archive operation is in session.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, check what other processes are running on the client machine that are generating large amounts of data. Disable those operations while the backup or archive operation is taking place.

FMV1314E: File data currently unavailable on server

Explanation

The file data is currently unavailable on the server. A retrieve or restore operation was attempted. Possible causes are:

- Data was corrupted at the server
- Server found a read error
- File is temporarily involved in a reclaim operation at the server
- Server requested a tape volume that was marked unavailable.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, see your system administrator to determine the problem from the server console or the activity log. Check whether any requests were made for a tape volume that was unavailable. A tape volume may be marked unavailable if prior read errors were encountered or the volume is checked out of the tape library.

FMV1315W: Unexpected retry request. The IBM Storage Protect server found an error while writing the data.

Explanation

None.

System action

If the current operation supports another attempt, the client tries the operation again. Otherwise, processing stops.

User response

None.

FMV1316E: The server does not have enough recovery log space to continue the current operation

Explanation

The server ran out of recovery log space.

System action

Processing ends.

User response

This error is a temporary problem. Retry later or see your system administrator.

FMV1317E: The server does not have enough database space to continue the current operation

Explanation

The server ran out of database space.

System action

Processing ends.

User response

See your system administrator.

FMV1318E: The server does not have enough memory to continue the current operation.

Explanation

The server ran out of memory.

System action

Processing ends.

User response

This is a temporary problem. Retry later or see your system administrator.

FMV1319E: An error occurred on the IBM Storage Protect server while trying to rename file space *file_space_name*

Explanation

None.

System action

Because the file space cannot be renamed, the operation stops.

User response

Check the client error log and the IBM Storage Protect server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM Storage Protect technical support for additional assistance.

FMV1320E: The specified file space does not exist on the server. The file space might have been deleted by another client or an administrator.**Explanation**

The specified file space does not exist on the server. Your system administrator deleted the file space or another client using your client's node name deleted it.

System action

Current operation has been cancelled.

User response

Check the file space name to see if it is correct, and retry the operation.

FMV1321S: Open Registration failed because the specified node name is defined in the server**Explanation**

Open registration failed because a node is defined in the server with the same name.

System action

Current operation has been cancelled.

User response

Retry with another node name.

FMV1322S: Open Registration failed because no default domain exists**Explanation**

Open registration failed because a default policy domain does not exist for you to place your node.

System action

Current operation has been cancelled.

User response

See your system administrator.

FMV1323S: Open Registration failed because an invalid node name was specified

Explanation

Open registration failed because the specified node name contains invalid characters.

System action

Current operation has been cancelled.

User response

Retry with another node name that does not have any invalid characters.

FMV1326S: The IBM Storage Protect server does not currently have space in the storage pool for this file. This may be a temporary condition.

Explanation

This message is typically issued when the storage pool in which the data is being placed does not have sufficient space to store the data, but the space will be available soon. For example, a storage pool migration might free up sufficient space to store the data.

System action

Current operation has been cancelled.

User response

Try the operation at a later time. If this fails, contact the IBM Storage Protect administrator and request more storage pool space.

FMV1327W: The snapshot operation for '*volname*' failed with error code: *retcode*.

Explanation

A snapshot could not be taken of the specified volume.

System action

Snapshot processing stopped.

User response

Check the client error log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM Storage Protect technical support for additional assistance.

FMV1328W: An error occurred generating delta file for '*file-name*'. The return code is *retcode*.

Explanation

An error occurred that prevented the creation of the delta file. Possible reasons for this error include:

- The base file cannot be opened for reading
- The file being backed up cannot be opened for reading
- The delta file cannot be opened for writing
- The file being backed up has grown to a size larger than 2 GB
- A memory file mapping of the file cannot be created

System action

A full backup of the file is made, and a new version of the reference file is stored in the subfile cache.

User response

If the message indicates return code 4504, check the delta subfile cache directory for any residual delta files. The delta subfile cache directory is specified by the client option SUBFILECACHEPATH. Search the directory for files named \".dXXXXXXXX\" where \".XXXXXXXX\" is an eight-digit number. If there are no backup operations in progress, there should not be any files in the SUBFILECACHEPATH with this name. If there are no backup operations in progress and these files exist, they can safely be removed. If you continue to receive this message but there are no residual delta files in the subfile cache directory and the file has not grown to a size larger than 2 GB, then contact IBM Storage Protect technical support for further assistance.

FMV1329S: Server out of data storage space

Explanation

The server does not have space available to store the object.

System action

Processing Ends.

User response

Report to your system administrator that a storage pool on the server is full.

FMV1330S: This node currently has a pending restartable restore session. The requested operation cannot complete until this session either completes or is canceled.

Explanation

This operation can not be completed because a restartable restore session is pending. The operation is not allowed because the restartable session and the current operation affect the same file space.

System action

Processing Ends.

User response

Issue a query restore to see the conflict. Issue the cancel restore command to delete any unneeded restartable restore sessions.

FMV1331E: Only a IBM Storage Protect authorized user can perform this Action.

Explanation

User must be a IBM Storage Protect authorized user to perform this action. User is not password authorized and this action requires authorization.

System action

Processing stopped.

User response

User must be root user, or user must be the owner of the executable and the set effective user id bit is set to 'on' ('s' bit).

FMV1332E: Run the '... for Administrators' version of the application.

Explanation

The user must be root or a system administrator and use the provided authorization tools to start IBM Storage Protect

System action

IBM Storage Protect terminates.

User response

The user must login as the root user or be a system administrator and use one of the following authorization tools to start IBM Storage Protect:

- "IBM Storage Protect Backup for Administrators"
- "IBM Storage Protect Scheduler for Administrators"
- "IBM Storage Protect Scheduler Daemon for Administrators"

FMV1333E: The remote node is not properly configured on the IBM Storage Protect server.

Explanation

The remote node is not properly configured on the IBM Storage Protect server.

System action

Processing stopped.

User response

Ensure that the remote node is properly configured and connected to the IBM Storage Protect server by using TLS. This validates the remote node configuration and ensures that the information that is related to the remote node is sent to the server.

FMV1334W: Volume mount point '*filesystem namepath-namedir-name*' was not restored because the target directory is not empty.

Explanation

Volume mount points can only be restored if the target directory does not already exist, or if the target directory exists but is empty. If the target directory exists and is not empty, or already is a junction point, then the volume mount point cannot be restored. On Windows Vista, it is normal to see these warnings during system drive restore as there are many junction points that point to the '%systemroot%\Users' folder.

System action

The volume mount point is not restored. Processing continues with the next object.

User response

Correct the conflict with the non-empty directory, then try the operation again. This is especially important when this message is issued for a volume mount point that resides in the SYSVOL, since an incomplete SYSVOL restore can result in system stability problems. See the reference information for the RESTORE command in the client manual for additional information about restoring volume mount points.

FMV1335E: The RSM database files could not be restored.

Explanation

None.

System action

The RSM database is not restored. Otherwise, processing continues.

User response

Check the client error log for any other messages that might help identify the problem. Reboot the system, then try the RSM restore operation again. If the problem cannot be resolved, contact IBM Storage Protect technical support for further assistance.

FMV1336I: RSM service must be restarted for changes to become effective.

Explanation

RSM database files have been restored from the server and imported. The RSM service must be restarted for the updates to become effective.

System action

Processing continues.

User response

None.

FMV1337I: Restarting the RSM service...

Explanation

RSM database files have been restored from the server and imported. The process is about to stop then restart the RSM service.

System action

Processing continues.

User response

None.

FMV1338I: Restart of the RSM service is completed.

Explanation

RSM database files have been restored from the server and imported. The process has restarted the RSM service on the user's behalf.

System action

Processing continues.

User response

None.

FMV1339E: Restart of the RSM service failed. Restart the RSM service manually.

Explanation

RSM database files have been restored from the IBM Storage Protect server and imported. The process has tried to restart the RSM service on the user's behalf but has run into a problem.

System action

Processing stopped.

User response

Restart the RSM service manually.

FMV1340E: An error occurred while backing up the RSM database.

Explanation

An error occurred while backing up the RSM database files. The database will not be backed up.

System action

Processing stopped.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1341E: An invalid character appears in the operand: *operand*.

Explanation

The *operand* contains a character that is not valid in the current locale and code page. It cannot be translated to its internal wide-character format.

System action

Processing stops.

User response

Change the locale of the workstation to match the language in which the operand is recorded, and try the command again.

FMV1342E: Client cache is locked; unable to continue with operation.

Explanation

The client cache is currently locked by another process.

System action

Processing stopped.

User response

Report the program error to your service representative.

FMV1343E: The option '*specified-option*' can only be entered when '*other-option*' has been entered.

Explanation

The command failed because the specified option (*specified-option*) option was entered, but the other option (*other-option*) was not.

System action

The command is terminated.

User response

Run the command without the specified option. Alternatively, run the command with the other option added.

FMV1344E: Job is running in the background. Cannot prompt for the Key.

Explanation

When jobs are run in the background, the client cannot prompt for the key.

System action

Processing stopped.

User response

Run the Job in the foreground.

FMV1345E: No objects on the server match '*object-nameobject-nameobject-name*'**Explanation**

The specified file does not have a match on the server.

System action

The file is skipped.

User response

Back up the file and try the operation again. If the problem continues, see your system administrator to isolate the problem through use of the server console.

FMV1346E: The image snapshot operation failed. The SNAPSHOTCACHLocation does not contain enough space for this snapshot image backup.**Explanation**

IBM Storage Protect was not able to take a snapshot of the specified volume. The SNAPSHOTCACHLocation points to a location which does not contain the space necessary to manage the snapshot. This could be due to an unexpected amount of disk activity which is generating more changes than can be contained in the available space at this particular point in time, or the SNAPSHOTCACHLocation needs to be changed because the specified location is not large enough to handle the usual amount of changes to the volume. Another reason for this failure can be that the specified SNAPSHOTCACHSize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot image backup.

System action

Processing stopped.

User response

If the problem persists please increase the SNAPSHOTCACHSize and/or change the value of the SNAPSHOTCACHLocation.

FMV1347E: The image snapshot operation failed. The percent of space to use, specified via the SNAPSHOTCACHSize, has been exceeded.**Explanation**

IBM Storage Protect was not able to take a snapshot of the specified volume. The percent of space allotted via the SNAPSHOTCACHSize option was not enough to perform this snapshot image backup. This could be due to an unexpected amount of disk activity which is generating more changes than can be contained in the allotted space at this particular point in time. Another reason for this failure can be that the specified

SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot image backup.

System action

Processing stopped.

User response

If the problem persists please increase the SNAPSHOTCACHESize or, for Windows, change the value of the SNAPSHOTCACHELocation.

FMV1348E: Unable to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options due to volume write activity.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume. The Logical Volume Snapshot Agent was not able to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options before starting the snapshot of the specified volume.

System action

Processing stopped.

User response

If the problem persists please modify the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options to better fit the normal disk write activity of the volume being backed up.

FMV1349E: An error occurred during Logical Volume Snapshot Agent snapshot processing.

Explanation

An unrecoverable error occurred during snapshot processing. This can be caused by a variety of errors, so the error and system event logs should be checked for additional messages.

System action

Processing stopped.

User response

Check the client error log and the system event log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1350E: The logical volume snapshot agent (LVSA) is currently busy performing a snapshot on this same volume.

Explanation

Another IBM Storage Protect process is already performing a snapshot of this volume.

System action

The operation is stopped.

User response

Please wait until the other IBM Storage Protect process finishes with the volume and then retry the operation.

FMV1351E: Session rejected: All server sessions are currently in use**Explanation**

IBM Storage Protect has all available sessions in use and cannot accept a new one at this time.

System action

Current operation has been cancelled.

User response

Retry the operation. If the problem continues, see your system administrator to increase the number of concurrently active sessions to the server.

FMV1352E: The session is rejected. Your password has expired.**Explanation**

The password for IBM Storage Protect user ID has expired. It can be either IBM Storage Protect node name password or administrative user ID password or both.

System action

Current operation has been cancelled. You are not allowed to connect to the server until the password is updated.

User response

Update your password. It may require updating the node name password or the correspondent administrative ID password or both. You may use the **SET PASSWORD** command, or have the IBM Storage Protect administrator update your node or your administrative ID.

FMV1353E: Session rejected: User ID is incorrect, does not have admin authority, or is not known by the server**Explanation**

The user ID, which is either IBM Storage Protect node name or administrative user ID, is not known by the server. Possible reasons for this include:

- Your node name is not registered with the IBM Storage Protect server

- The node name is correct but does not have a corresponding administrative ID with the same name and client owner authority

- you are attempting to access a file that was migrated to a different node.

System action

Current operation has been cancelled.

User response

Do the following checks:

- Check that your IBM Storage Protect user ID is entered correctly.

- Check the administrative ID associated with your IBM Storage Protect node and verify that the IBM Storage Protect node name has a matching administrative ID with client owner authority for the node. If it does not, your IBM Storage Protect administrator needs to create it.

- Check that the server is using closed registration and that your node name is registered with the server.

- If attempting to access a migrated file, your node name must be the same node that migrated the file.

FMV1354E: Session rejected: Duplicate ID entered

Explanation

Another process using this node name is active with the server.

System action

IBM Storage Protect cannot connect to the server. Current operation has been cancelled.

User response

If you are running a UNIX-based system, ensure that another process is not active with IBM Storage Protect under the same name. Also, ensure that your node name is unique to the server so that it cannot be used by another person. See your system administrator to identify the owner of that node name.

FMV1355E: Session rejected: Server disabled.

Explanation

The server is in a disabled state and cannot be accessed for normal activity.

System action

Current operation has been cancelled.

User response

On the IBM Storage Protect server, run the **ENABLE SESSIONS** administrative command. Try the operation again after the server returns to an enabled state. If the problem continues, see your system administrator.

FMV1356E: The server is not configured to allow open registration

Explanation

No authorization. Registration is required by your system administrator. The server is not configured to allow open registration.

System action

Session not started.

User response

You must obtain a IBM Storage Protect node and password from your system administrator.

FMV1357S: Session rejected: Downlevel client code version

Explanation

The server version and your client version do not match. The client code is downlevel.

System action

Current operation has been cancelled.

User response

See your system administrator to see what version of IBM Storage Protect to run for your location.

FMV1358S: Session rejected: Downlevel server code version

Explanation

The server version and your client version do not match. The server code is downlevel.

System action

Current operation has been cancelled.

User response

See your system administrator to see what version of IBM Storage Protect to run for your location.

FMV1359E: Session Rejected: The specified node name is currently in use

Explanation

The node name you specified is in use on the server.

System action

Session was not started.

User response

The server is probably performing a task that prevents your node from establishing a session. Retry later or check with your system administrator.

FMV1360I: Compressed Data Grew

Explanation

The size of the file after compression is greater than the size of the file before compressed.

System action

Even though the size of the file increased, the file is compressed.

User response

None.

FMV1361E: Session Rejected: The specified node name is currently locked.

Explanation

The node name you specified is currently locked on the server.

System action

Session was not started.

User response

Check with your system administrator to find out why your node name is locked.

FMV1362S: SLM LICENSE EXCEEDED: The client licenses for IBM Storage Protect are exceeded. See your system administrator.

Explanation

Adding a new enrollment will exceed the product license count for IBM Storage Protect.

System action

Execution of the client enrollment or connection request ends.

User response

See your system administrator.

FMV1363E: Session Rejected: The server does not have enough memory to allow a connection to be established.

Explanation

The server does not have enough memory to allow your client to establish a connection with the server.

System action

Session was not started.

User response

Retry later or see your system administrator.

FMV1364E: Session Rejected: The server does not have enough recovery log space to allow a connection to be established.

Explanation

The server ran out of recovery log space.

System action

Session was not started.

User response

This error is a temporary problem. Retry later or see your system administrator.

FMV1365E: Session Rejected: The server does not have enough database space to allow a connection to be established.**Explanation**

The server ran out of database space.

System action

Session was not started.

User response

See your system administrator.

FMV1366E: The session is rejected. The IBM Storage Protect server has an internal error.**Explanation**

The client cannot establish a connection to the IBM Storage Protect server because of an internal server error.

System action

The session was not started.

User response

Notify your IBM Storage Protect administrator of this error.

FMV1367E: The client is unable to sign on to the IBM Storage Protect server because the server does not allow sign-on of Unicode clients.**Explanation**

The client is not allowed to connect to the IBM Storage Protect server.

System action

The session does not start.

User response

Contact your IBM Storage Protect administrator for assistance in configuring a working IBM Storage Protect client for your environment.

FMV1368S: Session Rejected: The server is not licensed for this platform type. See your system administrator.

Explanation

The server is not licensed for the requesting client type.

System action

Execution of the client enrollment or connection request ends.

User response

See your system administrator.

FMV1369E: Session Rejected: The session was canceled by the server administrator.

Explanation

The server administrator canceled the current client session.

System action

Execution of the client connection request ends.

User response

See your system administrator.

FMV1370E: The user ID entered does not have the correct level of authority to access the client machine.

Explanation

The user ID entered cannot access this IBM Storage Protect client.

System action

Operation ends.

User response

Grant authority to this user ID on the IBM Storage Protect server so that it can access this IBM Storage Protect client.

FMV1371E: File " cannot be reconstructed from subfile components.

Explanation

An error occurred while reconstructing this file from its subfile components.

System action

The file indicated in the message is not restored. Restore for all other files continues.

User response

Try to restore the file again by selecting the file for restore from the user interface. You can also check the client error log and the server activity log for any messages related to the file indicated in the message.

FMV1372E: An inconsistency was detected between the client node and the node that is registered to the IBM Storage Protect server.

Explanation

The user has probably coded the node option incorrectly. For instance, the node that is registered to the IBM Storage Protect server might be a type of NAS, but the node is actually a non-NAS client.

System action

Operation ends.

User response

Ensure that the node name is correct in the client options file. Make sure to use a node of type NAS only with the nasnodename option.

FMV1373W: The PRESNAPSHOTCMD command for volume *filespace* completed with a non-zero return code.

Explanation

The command specified by the PRESNAPSHOTCMD option must complete successfully in order to perform the snapshot backup/archive operation. If the command completed with a return code of 0 (zero), it has completed successfully. If the command completed with any other return code, it has failed. If the command failed, then the backup is still performed, but without the benefit of the snapshot technology.

System action

The client executes the backup/archive operation, but without using a snapshot.

User response

Identify and fix the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1374W: The POSTSNAPSHOTCMD command for volume *filespace* completed with a non-zero return code.

Explanation

The command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code. The snapshot-based backup operation yields a return code of at least 8.

System action

The snapshot-based backup operation continues.

User response

Identify and resolve the problem that caused the post-snapshot command to fail. If a non-zero return code is normal for this command, then consider wrapping the post-snapshot command in a script that always exits with a return code of zero.

FMV1375W: File *FilesystemPathFileName* skipped by user

Explanation

You requested that this file be skipped during the current operation.

System action

The file is skipped during the current operation

User response

None.

FMV1376E: Error processing '*filespace name path-namefile-name*'; end-to-end digest validation failed.

Explanation

Cryptographic digest of the restored or retrieved data did not match the digest generated during the backup or archive operation. Possible causes are a transmission error, data corruption, or a hash collision.

System action

Processing stops

User response

Try the restore operation again. If the problem persists, contact IBM Storage Protect technical support for additional assistance.

FMV1377W: The client was unable to obtain a snapshot of '*volname*'. The operation will continue without snapshot support.

Explanation

IBM Storage Protect client was unable to create a snapshot of the volume due to some reason. Instead of failing the operation, IBM Storage Protect client will perform a non-snapshot based backup.

System action

Snapshot processing stops.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1378E: The snapshot operation failed. The SNAPSHOTCACHELocation does not contain enough space for this snapshot operation.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume. The SNAPSHOTCACHELocation points to a location which does not contain the space necessary to manage the snapshot. Reasons for failure include:

- An unexpected amount of disk activity which is generating more changes than can be contained in the available space at this particular point in time.
- The SNAPSHOTCACHELocation is not large enough to handle the usual amount of changes to the volume.
- The specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot backup or archive operation.

System action

Processing stopped.

User response

If the problem persists, increase the SNAPSHOTCACHESize or change the value of the SNAPSHOTCACHELocation.

FMV1379E: The snapshot operation failed. The percent of space to use for the SNAPSHOTCACHELocation, specified via the SNAPSHOTCACHESize, has been exceeded.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume. The percent of space allotted via the SNAPSHOTCACHESize option was not enough to perform this snapshot backup/archive operation. Reasons for failure include:

- The SNAPSHOTCACHELocation is not large enough to handle the usual amount of changes to the volume.
- The specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot backup or archive operation.

System action

Processing stopped.

User response

If the problem persists, increase the SNAPSHOTCACHESize or change the value of the SNAPSHOTCACHELocation.

FMV1380W: The snapshot operation failed. The filesystem write activity prevented the Logical Volume Snapshot Agent from satisfying the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume. The Logical Volume Snapshot Agent was not able to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options before starting the snapshot of the specified volume.

System action

Snapshot processing stops.

User response

If the problem persists, modify the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options to better fit the normal disk write activity of the volume being backed up.

FMV1381W: On volumes that are RAW or formatted FAT32 the snapshot cache location cannot be located on the same volume that is being backed up.**Explanation**

When the snapshot cache location is located on the same volume that is being backed up the volume must be formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action

The client does not execute the snapshot operation.

User response

Specify a different snapshot cache location, using the SNAPSHOTCACHELOCATION option.

FMV1382E: Server does not allow client-initiated connections for this node.**Explanation**

The node is not allowed to initiate connections due to the configuration parameters for this node on the server. Server is able to initiate connections to the client scheduler running in prompted mode.

System action

The IBM Storage Protect operation ends.

User response

Contact your systems administrator to enable client-initiated sessions for your node or update the SESSIONINITIATION option and run the client scheduler.

FMV1383E: Wrong server port.**Explanation**

You were trying to open a backup/archive client session on the server port set up for administrative sessions only.

System action

The IBM Storage Protect operation ends.

User response

Contact your systems administrator and/or use the correct values for TCP port and TCP Admin Port.

FMV1384E: An object in the transaction has been bound to an invalid management class.**Explanation**

One of the objects in the transaction is bound to a management class that is not part of this node's policy, or the management class type is not supported for this client level.

System action

The current operation ends.

User response

Make sure all objects are bound to a valid management class, or upgrade the client to the proper level.

FMV1385E: This server does not support backup operations.**Explanation**

This server only supports archive operations, backup is not allowed.

System action

The current operation ends.

User response

Use only archive operations with this server.

FMV1386E: Deleting this object: "*fshlll*" is not allowed.**Explanation**

The object is either under a hold and cannot be deleted, or it is on a retention-protection enabled server and has not expired.

System action

The object is skipped and processing continues.

User response

Check the status of the object through a query to see if it is held, or when it expires.

FMV1387E: The number of objects in this transaction exceed TXNGROUPMAX values.**Explanation**

There are too many objects in this transaction.

System action

The current operation ends.

User response

Try the operation again with fewer objects in the transaction, or increase the TXNGROUPMAX value on the server.

FMV1388E: *fshlll* is already under hold.

Explanation

The specified object is already under hold, and it cannot be placed under a new hold.

System action

This object is skipped and processing continues.

User response

Issue a query to see the status of the objects, and try the operation again, without the object that is already held.

FMV1389W: Invalid option (*option*) for the scheduled *function* command

Explanation

There are two possible reasons for this message:

- The *option* option was specified for a scheduled command or subcommand (*function*) that cannot make use of that option.
- The option appears on a scheduled command but is valid only on the client scheduler initial command line, not on commands in a schedule from the server.

System action

The option is ignored.

User response

See the *Backup-Archive Client Installation and User's Guide* for correct use of the named option. The system administrator should remove the invalid option from the schedule definition on the server.

FMV1395E: The destination filesystem or drive letter is unavailable. The following object was not processed: Filespace:'*filesystem-name*'

Explanation

The system is trying to restore or retrieve to a destination that cannot be reached. The specified filesystem name or drive letter is not valid, or does not exist, or you are specifying a local share name that cannot be resolved.

System action

Objects which are part of this filesystem are not processed.

User response

Try the command again, and specify a different destination for the object that was not processed.

FMV1396E: Access to the specified log or trace file (*filename*) is denied.

Explanation

Access to the specified file is denied. You specified a log or trace file name that cannot be written by the current user.

System action

Processing stops.

User response

Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

FMV1397W: The snapshot cannot be taken because the SNAPSHOTCACHELocation does not have enough space for this snapshot operation.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume. The SNAPSHOTCACHELocation points to a location which does not contain the space necessary to create the snapshot; the disk is probably full. The operation continues without snapshot support.

System action

The client does not execute the snapshot operation.

User response

Change the value of the SNAPSHOTCACHELocation, or clean the disk to which the SNAPSHOTCACHELocation points.

FMV1398E: Initialization functions cannot open one of the IBM Storage Protect logs or a related file: *log-name*. errno = *errno-value*, reason

Explanation

The file "*log-name*" could not be opened during initialization. The system set the error code *errno-value*. If the *reason* given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

On Unix systems, the log must not be in the root directory. Attempts to do so will result in an "access denied" error.

System action

Processing terminates.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current user has write permission.

FMV1399W: The logical volume snapshot agent (LVSA) is currently busy performing a snapshot on this same volume.**Explanation**

IBM Storage Protect was not able to take a snapshot of the specified volume because another process is already performing a snapshot of this volume. The operation continues without snapshot support.

System action

Snapshot processing stops.

User response

Wait until the other IBM Storage Protect process finishes with the volume and then try the operation again.

FMV1400W: The snapshot cache location is not valid.**Explanation**

The snapshot cache location must point to a local volume that is formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action

Snapshot processing stops.

User response

Specify a different snapshot cache location using the SNAPSHOTCACHELOCATION option.

FMV1401W: The snapshot virtual volume is not accessible.**Explanation**

The logical volume snapshot agent (LVSA) cannot access the virtual volume during OFS-enabled backup/archive operation because IBM Storage Protect was probably started via terminal services. The operation continues without snapshot support.

System action

Snapshot processing stops.

User response

Do not use terminal services for the snapshot. Try the operation again on the local machine.

FMV1402W: The snapshot is not supported on a remote, removable, or SAN drive.

Explanation

IBM Storage Protect was not able to take a snapshot of the specified volume because open file support is only supported on local fixed volumes, including volume mountpoints. The operation continues without snapshot support.

System action

The client does not execute the snapshot operation.

User response

To take advantage of the open file support, you may try the operation again on the local machine.

FMV1403E: Error loading a required *filename* DLL

Explanation

An error occurred while loading a dynamic link library. The DLL load failed.

System action

Processing stopped.

User response

Verify that your system software is up to date and that all DLLs required by the IBM Storage Protect client are present.

FMV1404E: Error loading one or more functions from a required *filename* DLL

Explanation

An error occurred while loading a function from a dynamic link library. The DLL load failed.

System action

Processing stopped.

User response

Verify that your system software is up to date.

FMV1405I: '*service-name*' service needs to be restarted.

Explanation

The service must be restarted for the restored changes to take effect.

System action

Changes are not effected.

User response

Restart the service.

FMV1408W: Previous changes have not been committed. The machine must be restarted before the snapshot can be taken**Explanation**

IBM Storage Protect was not able to take a snapshot of the specified volume because a previous operation required the machine to be restarted for the changes to take effect, but the machine has not been restarted. The operation will continue without snapshot support.

System action

The client does not execute the snapshot operation.

User response

Restart the machine and then try the operation again.

FMV1410E: Unable to access the network path.**Explanation**

The network path cannot be accessed due to a possible network problem.

System action

The client terminates.

User response

Ensure that the network is up and the path can be accessed using a system command, and retry the operation.

FMV1411E: A communication session was dropped.**Explanation**

A communication session was dropped due to a possible network problem.

System action

The client terminates.

User response

Ensure that the network is up and retry the operation.

FMV1412E: Directory or file has bad EA data or inconsistent data.**Explanation**

Directory or file has bad EA data or inconsistent data.

System action

The client terminates.

User response

Check failing directory or file for bad EA data. Copy the directory to a new location and retry the operation.

FMV1413W: File '*file space namepath-namefile-name*' is not recognized by the system as a disk file and cannot be processed. The file is skipped.

Explanation

The client is unable to process file types that are not 'disk', such as 'character' and 'pipe'. This message is typically, but not always, issued for file names that are normally reserved for the operating system. In the Windows environment, reserved names include AUX, CON, NUL, PRN, COMx or LPTx, where 'x' is any digit from 1 to 9 (for example, COM1, LPT3, etc.).

System action

The file is skipped.

User response

Either delete the file if you do not need it, or else use an EXCLUDE statement in the client options to prevent the client from trying to process the file. In the Windows environment, normal delete commands will most likely not work. You will need to prefix the file name with the characters '\\.\'. For example, "del c:\mydir\lpt4" will not work, but "del \\.\c:\mydir\lpt4" will work.

FMV1414W: Don't have sufficient authority to delete open group on server.

Explanation

An open image group exists on the IBM Storage Protect server and cannot be deleted due to missing backup delete rights for this node.

System action

Processing continues.

User response

Ask your IBM Storage Protect administrator to grant backup delete rights for your node.

FMV1417W: Protected system state file '*filename*' is backed up to the drive file space, not system state file space.

Explanation

Files protected by Microsoft Windows File Protection (WFP) or Microsoft Windows Resource Protection (WRP) are part of the Microsoft Volume ShadowCopy Services (VSS) System Writer which is part of the system state. These files are normally backed up as part of the system state, not the file system on which the files reside. A problem in the operating system environment prevented the protected file named in the message text from being enumerated as a system state file and thus backed up as part of the system state. The conditions that

lead to this message are not normal. In order to ensure that the file is protected, it is backed up as part of the file system on which it resides.

System action

The file is backed up as part of the file system on which it resides.

User response

It is possible to restore the system using the file system and system state backups. However the conditions that prevent the system state files from being correctly enumerated should be addressed. On Microsoft Windows 2008 and Microsoft Windows 2008 R2 you can use the DiskShadow utility sub-command LIST WRITERS DETAILED to enumerate the system state files. On other versions of Microsoft Windows you can use the vshadow utility with the -wm2 option to enumerate the system state files. Verify that the file indicated in this message is not listed. Note: vshadow is a utility that you can obtain from Microsoft. After confirming that the files are not enumerated, contact your operating system technical support for help to diagnose and resolve the issue that prevents the file from being correctly enumerated as part of the system state.

FMV1418E: Authentication error. The Admin and/or Node password for *nodename* has expired.

Explanation

Session authentication failed with the server because either the admin or node password for the node has expired.

System action

Processing of the current operation is stopped.

User response

Update your admin and/or node password for the node identified.

FMV1420E: Volume map document (tsmvolmap.txt) not found.

Explanation

An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action

Processing stops.

User response

Ask your system administrator to check the error log.

FMV1421E: The image object '*object-type*' was not found on server.

Explanation

The specified image object of type *object-type* could not be located on the server. The operation cannot complete without this object.

System action

The operation ends.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Take any corrective action suggested by the messages, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1423W: '*filesystem*' is a virtual mount point. Migration is not supported on virtual mount points.

Explanation

IBM Storage Protect HSM does not support virtual mount points within managed file systems. Files in the virtual mount point folder can not be migrated.

System action

IBM Storage Protect attempts to continue the current operation.

User response

Do not use virtual mount points within file systems that are managed by HSM. Use include/exclude rules instead.

FMV1424W: Retrying failed image operation for volume *filespace-name*.

Explanation

The transaction for image operation for volume *filespace-name* failed due to reason described by earlier message(s).

System action

The requested image operation will be retried again.

User response

None.

FMV1425E: The image operation for volume *filespace-name* cannot be retried because of a severe error.

Explanation

None.

System action

The image operation fails for the indicated volume.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1426E: An error occurred creating the Registry backup directory structure

Explanation

The IBM Storage Protect client uses an intermediate directory structure on the client machine as part of the Windows Registry backup process. The client was unable to create this intermediate directory structure, so the Windows Registry could not be backed up. This problem can occur if you do not have sufficient privileges to perform the backup operations, if the client is unable to allocate more memory from the system, or if a component within the directory structure already exists as a file.

System action

The Windows Registry is not backed up.

User response

Check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Make sure that account under which the operation runs has sufficient privileges. Ensure that the system has sufficient memory to run the process. Remove the ADSM.SYS directory from the root of your system drive, then try the operation again. If the problem persists, contact IBM Storage Protect support for further assistance.

FMV1427I: Registry Backup function completed successfully.

Explanation

Registry backup was successful.

System action

None.

User response

Continue with normal operations.

FMV1428E: Backup of the registry failed.

Explanation

None.

System action

The registry is not backed up.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1429I: Registry Restore function completed successfully.

Explanation

Registry Restore was successful.

System action

None.

User response

Continue with normal operations.

FMV1430W: The machine must be rebooted for the changes to take effect.

Explanation

The restore operation made changes that will not be in effect until the machine is rebooted. It is important to note that until the reboot occurs, the system or its applications might be unstable.

System action

None

User response

Reboot the machine as soon as possible after the restore operation ends.

FMV1431E: Restore of the registry failed.

Explanation

None.

System action

The registry is not restored.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1432E: Keyword Expected after keyword '*keyword*'.

Explanation

A registry command was incorrectly entered.

System action

Registry function is not invoked.

User response

Refer to the command reference for this command.

FMV1433E: Extraneous argument '*input*' after keyword '*keyword*'

Explanation

A registry command was incorrectly entered.

System action

Registry function not invoked.

User response

Refer to the command reference for this command.

FMV1434E: Invalid argument '*input*' after keyword '*keyword*'

Explanation

A registry command was incorrectly entered.

System action

Registry function not invoked.

User response

Refer to the command reference for this command.

FMV1435E: An error occurred saving a registry key.

Explanation

None.

System action

The registry is not backed up.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1436E: An error occurred replacing a registry key.

Explanation

None.

System action

The registry key is restored from the server, but cannot be activated in the registry. The current registry key remains active.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1437I: Event Log Backup function completed successfully.**Explanation**

Event Log backup was successful.

System action

None.

User response

Continue with normal operations.

FMV1438E: Backup of the event logs failed.**Explanation**

None.

System action

The event logs are not backed up.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1439I: Event Log Restore function completed successfully.**Explanation**

Event Log Restore was successful.

System action

None.

User response

Continue with normal operations.

FMV1440E: Restore of the event logs failed.**Explanation**

None.

System action

The event logs are not restored.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1441E: Keyword Expected after keyword '*keyword*'.

Explanation

A event log command was incorrectly entered.

System action

Event Log function is not invoked.

User response

Refer to the command reference for this command.

FMV1442E: Extraneous argument '*input*' after keyword '*keyword*'

Explanation

A event log command was incorrectly entered.

System action

Event Log function not invoked.

User response

Refer to the command reference for this command.

FMV1443E: Invalid argument '*input*' after keyword '*keyword*'

Explanation

A event log command was incorrectly entered.

System action

Event Log function not invoked.

User response

Refer to the command reference for this command.

FMV1444E: An error occurred creating the Event Log backup directory structure

Explanation

The IBM Storage Protect client uses an intermediate directory structure on the client machine as part of the Windows Event Log backup process. The client was unable to create this intermediate directory structure, so the Windows Event Logs could not be backed up. This problem can occur if you do not have sufficient privileges

to perform the backup operations, if the client is unable to allocate more memory from the system, or if a component within the directory structure already exists as a file.

System action

The Windows Event Logs are not backed up.

User response

Check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Make sure that account under which the operation runs has sufficient privileges. Ensure that the system has sufficient memory to run IBM Storage Protect. Remove the ADSM.SYS directory from the root of your system drive, then try the operation again. If the problem persists, contact IBM Storage Protect support for further assistance.

FMV1445E: ERROR: could not create NAS image object.

Explanation

Creation of the NAS image object failed for one of following reasons:

- An unauthorized user invoked the NAS command
- NAS operations are not supported on the current platform
- Cannot find the NAS plugin library.

System action

The requested NAS operation is not performed.

User response

Retry the operation after correcting the cause for failure.

FMV1446E: VSS ASR backup document (ASRBackupDoc.xml) not found.

Explanation

An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information. Possible causes for the error are the following:

- You are trying to recover a machine running a legacy operating system such as windows XP or windows 2003. VSS ASR Restore is not supported for legacy operating systems.
- You are trying to run ASR recovery from a backup created by a client earlier than version 6.2.2. Such backups do not have ASRBackupDoc.xml file.

System action

Processing stops.

User response

Ask your system administrator to check the error log.

FMV1448E: The *command* command is not supported by the current server.

Explanation

The server to which the client is connected does not support the command.

1. If the command is "set event," the server does not support event-based policy. This command requires that the server supports event-based policy. That support is available only at IBM Storage Protect Server levels 5.2.2 and above.
2. If the message displays any other command, the server is configured to support archive retention protection and cannot process operations that are not associated with that facility.

System action

The command is skipped and other processing continues.

User response

Log in to an appropriate server and run the command again.

FMV1449W: A non-critical, unexpected error was encountered. Deletion of a snapshot(Set/Volume) failed. Probable cause, snapshot does not exists anymore. Continuing Process... IBM Storage Protect snapShot ID : *snapshot-id* IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect file : *file-name (line-number)*

Explanation

None.

System action

Processing continues.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV1450W: The -FILENAME option was specified without a file name. Output will be written to *filename*.

Explanation

The -FILENAME option was specified, but the file name was omitted.

System action

The output is written to the default file.

User response

Reissue the command and specify a valid file name, or use the information that was written to the default file.

FMV1453W: The IMAGEGAPSIZE option is not supported for non-NTFS file systems. The entire volume will be backed up.

Explanation

None.

System action

The entire volume is backed up.

User response

Refer to the client manual for additional information regarding the IMAGEGAPSIZE option.

FMV1454W: Used blocks information could not be obtained for *name*. The entire volume will be backed up.

Explanation

None.

System action

The entire volume is backed up.

User response

Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1458I: OBF file for volume *name* is too small for server-free data transfer.

Explanation

The OBF file for volume is very small to initiate a server-free data transfer. Hence this file will not be transferred via a server-free data path.

System action

Processing continues.

User response

None.

FMV1459E: VSS Automated System Recovery (ASR) failed.

Explanation

An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action

Processing stops.

User response

Ask your system administrator to check the error log.

FMV1461E: Error processing '*filespace namepath-namefile-name*': unsupported encryption type.**Explanation**

The files you are trying to restore or retrieve have been backed up or archived by a later version of the IBM Storage Protect client. The file encryption method is not supported by the current client.

System action

Object skipped.

User response

Restore or retrieve the file with the most recent version of the IBM Storage Protect client.

FMV1463E: Unexpected error in cryptography library.**Explanation**

There was an unexpected error in the cryptography library. See the error log for more information.

System action

processing stops.

User response

Check the error log for FMV1467E to determine the cause of failure. Verify you IBM Storage Protect client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact IBM Storage Protect technical support.

FMV1464S: Cannot load ICC encryption library.**Explanation**

The process is using a cryptography library which is installed automatically with the client and is being loaded at runtime. The client cannot proceed if the library is not loaded.

System action

Client exits.

User response

Check the error log for FMV1467E to determine the cause of failure. Verify your IBM Storage Protect client is installed properly. If needed, reinstall the client and/or API. If the problem still exists, contact IBM Storage Protect technical support.

FMV1465E: Conflicting options ERRORLOGMAX and ERRORLOGRETENTION were specified.

Explanation

Values were specified for both the **ERRORLOGMAX** and the **ERRORLOGRETENTION** options. These options are mutually exclusive.

System action

Processing stops.

User response

Specify a nonzero value for the **ERRORLOGMAX** option if you want the error log to wrap when it reaches the specified maximum value. Use the **ERRORLOGRETENTION** option if you want the error log limited in size on a time-based schedule.

FMV1466E: Conflicting options SCHEDLOGMAX and SCHEDLOGRETENTION were specified.

Explanation

Values were specified for both the **SCHEDLOGMAX** and the **SCHEDLOGRETENTION** options. These options are mutually exclusive.

System action

Processing stops.

User response

Specify a nonzero value for **SCHEDLOGMAX** if you wish to have the IBM Storage Protect scheduler log wrap when it reaches the specified maximum value. Use **SCHEDLOGRETENTION** if you wish you have the scheduler log limited in size on a time-based schedule.

FMV1467E: ICC routine *icc - routine* returned: majRC = *majRC*, minRC = *minRC*, desc = '*desc*'.

Explanation

There was an error within an ICC cryptography library. This message reports return codes and problem description which can be used by IBM Storage Protect technical support personnel to determine the cause of the error.

System action

Client exits.

User response

Verify you IBM Storage Protect client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact IBM Storage Protect technical support.

FMV1468E: Backing up Automated System Recovery (ASR) files failed. No files will be backed up.

Explanation

An error occurred while backing up the files needed for Automated System Recovery (ASR). No files were backed up.

System action

Processing stops.

User response

Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and try the command again.

FMV1469E: Error processing '*file space name path - name file - name*'; invalid encryption key.

Explanation

The key you entered does not match the key that was used to encrypt the file during backup. The file can not be restored unless the matching key is entered.

System action

processing stops.

User response

Try the restore operation again and provide the correct key.

FMV1470E: Unable to load GPFS functions needed for ACL and extended attributes support: skip *path_name*

Explanation

The GPFS functions that handle the GPFS ACL and extended attributes were not loaded.

System action

The object is skipped. Processing continues with the next object.

User response

Ensure that the GPFS software is installed on the system and try the operation again. On Linux, ensure that there has been an appropriate symbolic link created in /usr/lib/ directory for the GPFS libgpfs.so shared library.

FMV1471E: ASR system information file creation failed. ASR backup is unsuccessful.

Explanation

An error occurred while creating the system information file (asr.sif) needed for Automated System Recovery (ASR). The ASR backup is unsuccessful.

System action

Processing stops.

User response

Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and that you have access to the system object staging directory <system drive> :\adsm.sys. Try the command again.

FMV1472E: Could not add entry to the ASR system information file. ASR backup is unsuccessful.

Explanation

An error occurred while adding an entry to the system information file (asr.sif) needed for Automated System Recovery (ASR). The ASR backup is unsuccessful.

System action

Processing stops.

User response

Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and try the command again.

FMV1473E: Session rejected: TCP/IP connection failure for Shared Memory

Explanation

An attempt to connect to the local server using the Shared Memory protocol has failed during initial TCP/IP communications. This error can occur if the server is not listening on the correct port, or if the server is down.

System action

Session rejected. Processing stopped.

User response

Retry the operation, or wait until the server comes back up and retry the operation. If the problem continues, see your system administrator for further help.

FMV1474E: An error occurred using the Shared Memory protocol

Explanation

An error has occurred while reading or writing data through the Shared Memory communications protocol.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Check the trace log for additional information and retry the operation. If the problem continues, see your system administrator for further help.

FMV1475E: Insufficient authority to connect to the shared memory region

Explanation

The user issuing the command does not have authority to connect to the shared memory segment. When the shared memory segment is created by the server, it will be owned by the effective uid of the server process (dsmserve). Only processes running under this uid or root will be allowed to connect to the segment (and thus to the server).

System action

The session is rejected and processing stops.

User response

Run the command under the uid of the processing running dsmserve, if possible. Otherwise contact your system administrator for further help.

FMV1476E: CLUSTERNODE is set to YES but the Cluster Information Daemon is notstarted.

Explanation

The HACMP Cluster Information Daemon must be started in order to specify the CLUSTERNODE option.

System action

Processing ends.

User response

Start the HACMP Cluster Information Dameon.

FMV1477E: CLUSTERNODE is set to YES but the cluster load library is not valid.

Explanation

The load library that the operating system provides to obtain the cluster name is not valid. A possible cause is an out-of-date load library which does not contain the proper routines this product expects.

System action

Processing ends.

User response

Ensure that the latest cluster software is installed on the system.

FMV1478E: CLUSTERNODE is set to YES but the cluster software is not available on this system.**Explanation**

The load library that the operating systems provides to obtain the cluster name is not available on this system.

System action

Processing ends.

User response

Ensure that the cluster software is installed on the system.

FMV1479E: CLUSTERNODE is set to YES but this machine is not a member of a cluster.**Explanation**

This machine is not a member of a cluster node. Possible causes are that the cluster service has not been configured correctly, or that the cluster is in the process of initialization.

System action

Processing ends.

User response

Ensure that the cluster software is configured properly. If the cluster is in the process of initialization, retry the operation at a later time.

FMV1480E: CLUSTERNODE is set to YES but the cluster service is not enabled on this system.**Explanation**

The cluster service has not been enabled on this system.

System action

Processing ends.

User response

Enable the cluster service on the system.

FMV1481E: The CLUSTERNODE option is not supported on this system.

Explanation

This option is not supported on this system.

System action

Processing ends.

User response

Disable the CLUSTERNODE option in the local options file.

FMV1482E: An unexpected error (*retcode*) occurred while the program was trying to obtain the cluster name from the system.

Explanation

An unknown error occurred while the program was trying to obtain the cluster name from the cluster service. The error code is the reason code provided directly from the cluster service being used in this operating system environment.

System action

Processing ends.

User response

Consult the documentation for your clustering software for an explanation of the reason code. Insure that your clustering service is operational, then try the IBM Storage Protect operation again.

FMV1483I: Schedule log pruning started.

Explanation

The schedule log pruning function has begun.

System action

The schedule log is pruned.

User response

None.

FMV1484I: Schedule log pruning finished successfully.

Explanation

The schedule log pruning function completed with no errors.

System action

None.

User response

None.

FMV1487E: An error occurred while backing up the WMI repository. The database will not be backed up.

Explanation

The Windows event log and error log might contain additional information related to this error.

System action

processing stops.

User response

Examine the Windows event log and error log for messages related to WMI. Ensure that the Windows Management Instrumentation service is started.

FMV1489E: The WMI service failed to stop. No files will be restored.

Explanation

An error occurred while stopping the Windows Management Instrumentation (WMI) service. The database will not be restored.

System action

processing stops.

User response

Examine the Windows event log and client error log for messages related to Windows Management Instrumentation (WMI). You might need to quiesce WMI activity or reboot the machine in order to free resources which are preventing the WMI service from stopping.

FMV1490W: File specification '*file-spec*' ignored. A file list has already been specified.

Explanation

A non-option argument (file specification) was encountered after the -FILELIST has been processed.

System action

The argument is ignored.

User response

You may have either a -FILELIST or explicit file specifications on this command, but not both.

FMV1492S: Invalid virtual mountpoint *file_space_name*: File not found.

Explanation

The specified **VIRTUALMOUNTPOINT** option in the system options file is invalid because it could not be found in the file system.

System action

The process attempts to continue the current operation.

User response

Check the virtual mountpoint in the system options file and make sure it exists in the file system. Retry the operation.

FMV1493S: Invalid virtual mountpoint *file_space_name*: Access denied.

Explanation

The specified **VIRTUALMOUNTPOINT** option in the system options file is invalid because access to it is denied.

System action

The process attempts to continue the current operation.

User response

Check the value of the **VIRTUALMOUNTPOINT** option in the system options file and make sure that the virtual mount point is accessible. Retry the operation.

FMV1494S: Invalid virtual mountpoint *file_space_name*: Symbolic link.

Explanation

The specified **VIRTUALMOUNTPOINT** option in the system options file is invalid because it is a symbolic link and the **FOLLOWSYMBOLIC** option is not set.

System action

The process attempts to continue the current operation.

User response

Set the option **FOLLOWSYMBOLIC** to YES in the user options file. Retry the operation.

FMV1495S: Invalid virtual mountpoint *file_space_name*: Other error, rc = *return_code*.

Explanation

The specified **VIRTUALMOUNTPOINT** option in the system options file is invalid.

System action

The process attempts to continue the current operation.

User response

Make sure the virtual mountpoint is a directory and accessible from the shell, and retry the operation.

FMV1496W: Duplicate include/exclude option '*option file-name*' found while processing the client options file. This might produce unexpected results.

Explanation

IBM Storage Protect found a duplicate statement while processing the client options file, which might produce unexpected results.

System action

Processing continues.

User response

Verify if you obtained the desired results. If not, you need to correct the client options file by removing the duplicate option statement.

FMV1497W: Duplicate include/exclude option '*option file-name*' found while processing the client options passed by the server. This might produce unexpected results.

Explanation

IBM Storage Protect found a duplicate statement while processing the client options by the server, which might produce unexpected results.

System action

Processing continues.

User response

Verify if you obtained the desired results. If not, you need to correct either the client options file or the client options passed by the server.

FMV1498E: The IIS services failed to stop. No files will be restored.

Explanation

An error occurred while stopping the Internet Information Services (IIS) services. The metabase will not be restored.

System action

processing stops.

User response

Examine the Windows event log and client error log for messages related to Internet Information Services (IIS). You might need to quiesce IIS activity or reboot the machine in order to free resources which are preventing the IIS service from stopping.

FMV1499E: Creation of table of contents failed.**Explanation**

A failure occurred on the server during creation of the table of contents.

System action

The table of contents was not created.

User response

This abort code indicates there was a problem creating a table of contents on the server. The sysadmin will need to consult the activity log on the server to determine the cause.

FMV1500E: The dsmtca module is not found in the installation directory.**Explanation**

IBM Storage Protect cannot find the dsmtca module in the appropriate directory.

System action

Processing ends.

User response

Reinstall the product.

FMV1501E: The dsmtca execution/owner permissions are invalid**Explanation**

The dsmtca execution/owner permissions are invalid.

System action

IBM Storage Protect ends.

User response

Have your system administrator check the installation instructions for the client to ensure that the dsmtca permissions are set correctly.

FMV1502E: Access to run the the dsmtca or dsmenc module is denied.**Explanation**

The user of the backup-archive client does not have permission to run the dsmtca or dsmenc module.

System action

Processing ends.

User response

See your system administrator.

FMV1503E: Valid password not available for server '*server-name*'. The administrator for your system must run the backup-archive client and enter the password to store it locally.

Explanation

The file containing the stored password for the specified server *server-name* is unavailable.

System action

Processing ends.

User response

The administrator for your system must set and store a new password.

FMV1504E: Error starting the dsmtca or dsmenc process.

Explanation

An error has occurred starting the dsmtca or dsmenc process; specifically, the `fork()` function has failed.

System action

Processing ends.

User response

Probable system error. If the problem persists, restart the workstation.

FMV1505W: Performing image backup of the entire volume for *volume name*. The IMAGEGAPSIZE option value of *image gap size* is being ignored as this level of the operating system does not support used block image backup. Please upgrade to AIX 5.3 Maintenance Level 7 or later in order to perform used block image backup.

Explanation

AIX 5.3 Maintenance Level 7 or later has some necessary fixes that are required to support used block image backup.

System action

The entire volume is backed up.

User response

Please upgrade to AIX 5.3 Maintenance Level 7 or later in order to perform used block image backup.

FMV1506E: The IBM Storage Protect dsmtca received an invalid request.**Explanation**

The dsmtca or dsmenc process was invoked by the backup-archive client and received an unknown request argument in the call.

System action

Processing ends.

User response

It is possible that the dsmtca or dsmenc process was mistakenly invoked by a process other than the backup-archive client. If that is not the case, then this is an internal error. If the problem recurs, contact your IBM Storage Protect service representative.

FMV1507E: This action requires IBM Storage Protect administrative authority on this system.**Explanation**

An activity has been attempted that must be performed by the IBM Storage Protect administrator (for example, open registration, file space delete or password update).

System action

Processing ends.

User response

If the activity is required, the administrator for this system must perform it.

FMV1508E: Error allocating semaphores.**Explanation**

An error has occurred because the semaphores you are attempting to allocate have become insufficient.

System action

Processing ends.

User response

Ask your system administrator for assistance, and possibly increase the number of semaphores in your system.

FMV1509E: Error setting semaphore value or waiting on semaphore.**Explanation**

An error has occurred while attempting to set or wait on a semaphore.

System action

Processing ends.

User response

Probable system error. If the problem persists, restart the workstation.

FMV1510W: The specified backupset either does not exist, or does not contain file data.**Explanation**

The specified backupset either does not exist, or does not contain file data for the node name specified. The restore backupset command is limited to backupsets that contain file data. To restore an image backup from a backupset, use the restore image command.

System action

Processing stopped.

User response

If an incorrect backupset name was specified, try the command again with the correct backupset name. If you are trying to restore an image from a backupset, refer to the restore image command for the correct syntax.

FMV1511I: Invalid Restore session number entered. Try again.**Explanation**

You entered a number not shown in the list of restartable restores. The number you entered is either less than one or greater than the highest item number displayed.

System action

Client prompts for a valid selection.

User response

Enter a number from the list or 'Q' to quit.

FMV1512E: Scheduled event '*event*' failed. Return code = *value*.**Explanation**

One or more error conditions were encountered that prevented the schedule from completing successfully. This message is preceded by other messages that indicate the specific problems encountered during the operation.

System action

Scheduled event failed.

User response

Check the schedule and error log files for the messages that specify what problems were encountered during the operation. Correct the conditions that caused those messages to be issued. The specific corrective actions will depend on the specific errors encountered.

For more information about return codes, search for "client return codes" in the product information (www.ibm.com/support/knowledgecenter/SSGSG7/).

FMV1513E: The object '*object_name*' is skipped from rename. *Error_condition*.

Explanation

IBM Storage Protect skips the specified object from renaming because the object with the same long name but with different attributes exists on the server.

System action

The backup operation continues. The specified object will expire during the next incremental backup.

User response

The object is skipped if one of the following condition occurs:

- The long name object(LN) has a more recent insert date than the short name object(SN).
- The management classes for LN and SN do not match.
- The copy groups for LN and SN do not match.
- LN and SN have different owners.
- The creation date for LN and SN do not match.
- The short name attribute for LN does not match SN.

If you are unable to determine what is wrong, report the problem to your service representative.

FMV1514W: Encryption key passwords are not the same.

Explanation

The key passwords are different.

System action

The process allows you to try again.

User response

Enter the correct password.

FMV1515E: Loading a table of contents failed.

Explanation

A failure occurred on the server during loading of the table of contents.

System action

The table of contents was not loaded.

User response

This abort code indicates there was a problem loading a table of contents on the server. The sysadmin will need to consult the activity log on the server to determine the cause.

FMV1519E: Your node does not have permission to delete backup files

Explanation

The server does not allow your node to delete backup files.

System action

The process did not delete the backup files.

User response

See your system administrator.

FMV1520E: Failure writing to the IBM Storage Protect error log: errno = *errno-value*,

Explanation

A failure was encountered when writing to the dserror log or dserror log. The system set the error code *errno-value*. It is possible that no space is available at the given log location.

System action

Processing terminates.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMV1521E: Failure writing to a IBM Storage Protect log or log-related file: *file-name*, errno = *errno-value*, reason

Explanation

A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action

Processing terminates.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMV1523E: An error occurred while connecting to TSA/SMDR service.

Explanation

An error was encountered during a call to the TSA/SMDR service. This message usually follows previous messages that contain more specific information about the problem.

System action

Processing stopped.

User response

Refer to previous messages in dsmerror.log for further information. If those messages are not helpful in identifying the cause of the problem, see your system administrator for further assistance.

FMV1528I: The process is converting the *log-file* from continuous (pruning) mode to wrapping mode. This process may take several minutes.

Explanation

The *log-file* was previously in continuous mode where the only size control was through the use of the **ERRORLOGRETENTION** or **SCHEDLOGRETENTION** option. This is the first occasion where the **ERRORLOGMAX** or **SCHEDLOGMAX** option is specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMV1529I: The process is converting the *log-file* from wrapping mode to continuous (pruning) mode. This process may take several minutes.

Explanation

The *log-file* was previously in wrapping mode where the size control was through the use of the **ERRORLOGMAX** or **SCHEDLOGMAX** option. This is the first occasion where the **ERRORLOGMAX** or **SCHEDLOGMAX** option is not specified for this log, so its format must be changed and old data saved.

System action

Transition processing continues.

User response

None.

FMV1530I: *count* log records processed.

Explanation

This is just a progress report to let you know the process is still ongoing.

System action

Transition processing continues.

User response

None.

FMV1532E: Proxy Rejected: Proxy authority has not been granted to this node.

Explanation

The node has not been granted proxy authority to access the node named by the ASNODENAME option. The IBM Storage Protect administrator must first grant proxy authority.

System action

The IBM Storage Protect operation ends.

User response

The IBM Storage Protect server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV1533E: Proxy Rejected: The node name you specified in the ASNODENAME option is locked.

Explanation

The IBM Storage Protect administrator has locked the node you specified as the ASNODENAME option.

System action

The IBM Storage Protect operation ends.

User response

The IBM Storage Protect server administrator must unlock the node before you can access it. Try the operation later, or check with your IBM Storage Protect administrator.

FMV1534E: Proxy Rejected: The IBM Storage Protect server has run out of memory.

Explanation

There is not enough memory available to allow this operation to continue.

System action

Current operation has been cancelled.

User response

Try the operation again. If the problem continues, see your system administrator to increase the amount of memory of the server.

FMV1535E: Proxy Rejected: The ASNODENAME and NODENAME options have the same value.

Explanation

The **ASNODENAME** and **NODENAME** options cannot have the same value.

System action

The current operation is cancelled.

User response

Use the **ASNODENAME** option only to access another node. It is not necessary to set the **ASNODENAME** option to access your own node. Remove the **ASNODENAME** option from your option file unless you are actually trying to access a node that you have been granted authority to access with the administrative command "Grant Proxynode".

FMV1536E: Proxy Rejected: The server has an internal error.

Explanation

The client cannot proxy to the node named by the **ASNODENAME** option because of an internal server error.

System action

Current operation has been cancelled.

User response

See your system administrator immediately.

FMV1537E: The ASNODENAME option is not valid with the FROMNODE option.

Explanation

None.

System action

Processing stops.

User response

Remove the **ASNODENAME** option from the options file or do not use the **FROMNODE** option.

FMV1538E : The operation that is being attempted cannot be invoked using the ASNODENAME option.

Explanation

None.

System action

Processing stops.

User response

Remove the **ASNODENAME** option and retry the operation.

FMV1539E: The ASNODENAME option cannot be used with the CLUSTERNODE option.

Explanation

None.

System action

Processing stops.

User response

Remove the ASNODENAME option and retry the operation.

FMV1544E: An error in WAS processing has occurred.

Explanation

None.

System action

None

User response

Run the following command to see the nodes that can be backed up: dsmc query was -wastype=local Make sure the results are correct for your environment, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1546W: IBM Storage Protect failed to lock the WebSphere configuration repository.

Explanation

None.

System action

The lock of the WebSphere configuration repository fails.

User response

Ensure that the WebSphere server is running. If the server is already running, ensure that the repository is unlocked. Ensure that you are backing up the correct node. To see a list of available nodes that can be backed up, enter: 'dsmc q was -wastype=local'.

FMV1547W: IBM Storage Protect failed to unlock the WebSphere Configuration Repository.

Explanation

None.

System action

The unlock of the WebSphere Configuration Repository fails.

User response

Make sure that the WebSphere server is running. If the repository is locked, then unlock it and try the operation again. Ensure that the correct node is being backed up. To see a list of available nodes that can be backed up, run: 'dsmc q was -wastype=local'.

FMV1548E: A supported version of WebSphere is not installed on this machine.**Explanation**

A supported version of WebSphere is not installed on this machine. The only version of WebSphere that is supported is 5.0.x.

System action

None

User response

Install WebSphere 5.0 on the machine.

FMV1549E: No application server instances were found. Unable to perform backup.**Explanation**

The application server is not installed on this machine.

System action

Backup is not performed.

User response

Install the application server.

FMV1550E: No network deployment manager instances were found to back up.**Explanation**

Deployment manager is not installed on this machine.

System action

Back up is not performed.

User response

Install the network deployment manager.

FMV1553W: The user name and password that have been provided to Data Protection for WebSphere are invalid.

Explanation

None.

System action

Data Protection for WebSphere cannot run.

User response

Run the `dsmc set WASPassword` command to set the WebSphere security user name and password.

FMV1556E: Setting the WAS user and password failed.

Explanation

Password validation for the WAS user and password failed.

System action

WAS password validation fails.

User response

Rerun the `set WASPassword` command with the correct values for user and password.

FMV1557W: The WAS Server was not running, and the password file was saved without validation.

Explanation

If the WAS server is down, then it is not possible to connect to the server and validate the user-entered password. The password has still been saved, but no validation has been performed.

System action

The `set WAS password` command did not validate the password. The password has still been saved, but no validation has been performed. The password may be incorrect.

User response

There are two options:

- Try a backup. If the backup performs a failover, and there is an incorrect password message in the error log, then the password that was entered is incorrect.
- Start the WAS server and rerun the `set password` command. Since the server is now up, validation will be performed as normal and the user notified if a good/bad password was entered.

FMV1560W: The WebSphere server is not running.

Explanation

The WebSphere server is not running. The WAS server is running for backup operations.

System action

The WebSphere server is not running.

User response

Start the WAS server and run the backup again.

FMV1562E: WAS Restore failed during EAR Expansion.**Explanation**

EAR Expansion is performed for a WebSphere Application server after the files have been restored.

System action

WAS restore fails.

User response

Run the restore again.

FMV1565E: No WebSphere EARExpander was found. Copy the EARExpander tool from the base WebSphere bin directory to the instance bin directory, then run the restore operation again.**Explanation**

The EAR files are expanded for an instance of an Application server and the EARExpander tool does not exist in the instance bin directory.

System action

No WebSphere EARExpander found.

User response

Copy the WAS EARExpander tool from the base install's bin directory to the bin directory of the instance. Then run the WAS restore operation again, after the EARExpander tool has been copied.

FMV1566E: The version of WebSphere on the machine does not match the version of WebSphere that was backed up. These versions must match for a WAS restore operation.**Explanation**

The version of WebSphere on the machine does not match the version of WebSphere that was backed up. These versions must match for a WAS restore operation.

System action

The WAS restore operation fails.

User response

Install the correct version of WebSphere on the machine before performing the restore operation.

FMV1568E: The client acceptor attempted to register it's tcpport and tcpip address without using the TCPCADADDRESS option.

Explanation

The client acceptor sent the port and address information to the server, however, there was a problem registering the information with the server. The problem occurred because no default value for the tcpip address was provided. The server was unable to determine a default value for the tcpip address because the communication method was not tcpip.

System action

The server cannot register the information for the client acceptor. client acceptor processing will continue, but some functions of the client acceptor may not be working properly.

User response

Use TCPCADADDRESS in the client option file to indicate the proper TCP/IP address for this client acceptor.

FMV1569E: The client acceptor attempted to register it's tcpport and tcpip address but the TCP/IP address resolved to the loopback address and was rejected by the server.

Explanation

The client acceptor sent the port and address information to the server, however, there was a problem registering the information with the server. The problem occurred because the server detected that the address provided resolved to the loopback address.

System action

The server did not register the information for the client acceptor. client acceptor processing will continue, but some functions of the client acceptor may not be working properly.

User response

Use TCPCADADDRESS in the client option file to indicate the proper TCP/IP address for this client acceptor. Loopback address is not valid.

FMV1570E: Registering this instance of the client acceptor with the server failed. The client acceptor process continues.

Explanation

The client acceptor failed to register address information to the server due to an error. The message immediately preceding this message should indicate the problem more precisely.

System action

The server did not register the information for the client acceptor. client acceptor processing continues, but some functions of the client acceptor might not work properly.

User response

Review the messages immediately preceding this message to help determine what error occurred.

FMV1571E: The *time-option* option cannot be used without specifying the *date-option* option

Explanation

If the to/from/pit time options is specified then the corresponding to/from/pit date MUST also be specified.

System action

Processing stopped.

User response

Either remove the to/from/pit time option or add the corresponding to/from/pit date option.

FMV1572E: An unexpected error was received from the server query, RC=*re tcode*.

Explanation

An unexpected error was received by the client. This could be caused by network problems or a programming error.

System action

Current operation has been cancelled.

User response

Verify that your communication path is functioning properly and try the operation again. If the problem persists, contact your IBM Storage Protect administrator for further assistance.

FMV1573E: FROMDATE and TODATE cannot be used with PITDATE.

Explanation

The PITDATE option specifies different and conflicting date selection criteria from the FROMDATE and TODATE options. Therefore these options cannot be combined.

System action

The restore operation is not performed.

User response

Determine whether you require the functionality of PITDATE **or** FROMDATE and TODATE, then try the operation again. If you want to restore files as of a certain date and time, use PITDATE and PITTIME. If you want to restore files from a given range of dates, use FROMDATE, TODATE, FROMTIME, and TOTIME. Refer to the IBM Storage Protect client manual for your operating system for additional information about these options.

FMV1574E: Journal Query Failed.

Explanation

The journal daemon was unable to process the requested journal query.

System action

Journal backup processing is interrupted.

User response

Retry the backup, check the journal daemon errorlog for the cause of the failure. Backup of other file systems in the domain will continue.

FMV1575E: Journal Daemon Communications Error.**Explanation**

An error occurred communicating with the journal daemon.

System action

Journal backup processing is interrupted.

User response

Retry the backup, check the journal daemon and client errorlogs for the cause of the failure.

FMV1577I: The Windows console event handler received a '*event*' console event.**Explanation**

A console event was received by one of the IBM Storage Protect processes or programs. The following events can be received:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action

None.

User response

None.

FMV1578E: The specified path '*path*' is not valid for backup or archive.**Explanation**

The specified path is a special file system or part of a special file system. Special file systems contain dynamic information generated by the operating system and should not be backed up or archived. Refer to the IBM Storage Protect client manual for a complete list of special file systems for your operating system.

System action

Processing continues if there are other file systems to back up.

User response

Do not specify special file systems for backup or archive.

FMV1579E: GSKit function *func-name* failed with *error-code: session*

Explanation

A GSKit function has failed with the specified error code.

System action

Processing stopped

User response

Make sure you have configured the key database for SSL communication as described in the documentation. Possible issues could be failure in TLS handshake due to client and server not agreeing on a protocol. If the problem persists, contact IBM Storage Protect customer support.

FMV1580W: An Include.Fs statement with performance algorithm set already exists for the drive specified. Do you want to replace the statement?

Explanation

The user tried to create a duplicate Include.Fs entry on a drive that already has a performance algorithm associated with it. This is applicable to the Preference Editor on the MFC GUI

System action

The user can replace the statement with the new one or they can cancel out of this operation

User response

The user is prompted to replace the statement with the new one or they can say No to cancel out of this operation.

FMV1581W: '*object-name*' was restored as '*temp-name*'. A reboot is required to complete the restore.

Explanation

This is a system file restored and could not be immediately replaced. The file will be replaced during the next reboot of the operating system. It is important to note that until the reboot occurs, the changes will not be in effect.

System action

The client restored the file with a temporary name, and instructed the operating system to replace the original file with the restored file during the next boot of the operating system.

User response

Reboot the machine as soon as possible after the restore operation ends.

FMV1582E: The web client is no longer supported when connecting to IBM Storage Protect version 7.1.8 or version 8.1.2 and later servers.

Explanation

The web client functionality is no longer supported and is unavailable for connecting to IBM Storage Protect version 7.1.8 or version 8.1.2 and later servers.

System action

Processing stopped

User response

Use one of the other supported client interfaces to perform your IBM Storage Protect operations. Refer to IBM Storage Protect documentation for information on the supported client interfaces.

FMV1583E: The Hardware Utility plug-in module was not found or could not be loaded.

Explanation

Processing stops.

System action

None.

User response

Run the "**dsmt show plugins**" command at the command-line client prompt to see the available plug-ins on the system and verify the path which is being used to load the plug-ins. If the plug-in path is available and the Hardware Utility plug-in, **libPiHDW.a**, is present, ensure that the **LIBPATH** variable is set to the Hardware product's library path. For example, **LIBPTH=/usr/opt/db2_08_01/lib**.

FMV1584E: Error loading system library 'libdevmapper.so' required for image operations for LVM2 volumes.

Explanation

The system library **libdevmapper.so** required for LVM2 image operations could not be loaded. This error can occur when the library does not exist on the system, or the library is an earlier level than is required. This error also occurs when the library can not be opened by the IBM Storage Protect client process.

System action

The image operations for LVM2 volumes are not available.

User response

Check the installed packages and the library versions on the system. If correct versions are installed, check for access related issues. If the system does not have these libraries installed, contact your Linux OS distributor. Also, refer to Technote 1452629: <https://www.ibm.com/support/docview.wss?uid=swg21452629>

FMV1587W: Unable to read extended attributes for object *object-full-name* due to errno: *errno-value*, reason: *errno-explanation*

Explanation

The extended attributes of the object could not be read. The system set the error code *errno-value* and the reason *errno-explanation*. If the reason *errno-explanation* is either "access denied" or "permission denied", the current user does not have permission to read the extended attributes of the object.

System action

The object is skipped. Processing continues with the next object.

User response

The error is expected if the operation tries to read extended attributes of an object that you do not own or do not have access to. If the reason indicates an input/output error, perform the file system consistency check procedure and try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1588W: I/O error reading file attribute: *attr-name* for: *file-name*. errno = *errno-value*,

Explanation

The attribute *attr-name* of the file *file-name* could not be retrieved. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to read the file attributes.

System action

Processing continues without backing up the specified file attribute.

User response

Correct the condition causing the physical error.

FMV1589W: Unable to write extended attributes for object *object-full-name* due to errno: *errno-value*, reason: *errno-explanation*

Explanation

The extended attributes of the object could not be written. The system set the error code *errno-value* and the reason *errno-explanation*. If the reason is either "access denied" or "permission denied", the current user does not have permission to write the extended attributes of the object.

System action

Processing continues without restoring the extended attributes.

User response

The error is expected if the operation tries to write extended attributes to an object that you do not own or do not have access to. If the reason indicates an input/output error, perform the file system consistency check procedure and retry the operation. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1590W: I/O error writing file attribute: *attr-name* for: *file-name*. errno = *errno-value*,

Explanation

The attribute *attr-name* of the file *file-name* could not be set. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to set the file attributes.

System action

Processing continues without restoring the specified file attribute.

User response

Correct the condition causing the physical error.

FMV1592E: Failed to initialize SSL protocol.

Explanation

The process was unable to initialize the SSL protocol. This could be because the node is in a strict 'sessionsecurity' state and the client certificate key database could not be found.

System action

Processing stopped

User response

Check for GSKit related messages in the error log. Make sure you have configured the key database for SSL communication as described in the documentation. You must manually import the client certificate by using the dsmscert utility. If the problem persists, contact IBM Storage Protect customer support.

FMV1593E: Cannot open the key database.

Explanation

The process was unable to open the keyfile that is expected to contain the server certificate for SSL communications.

System action

Processing stopped

User response

Make sure you have configured the key database for SSL communication as described in the documentation. If the problem persists, contact IBM Storage Protect customer support.

FMV1594E: The key database password is incorrect or unavailable.

Explanation

The client was unable to open the certificate key database using the stored password, or the stored password could not be read.

System action

Processing stops.

User response

Make sure that you configure the key database for SSL communication as described in the Client Installation and User's Guide. Also make sure that the stash file, dsmcert.sth, is readable by the current user.

FMV1595E: Bad server certificate.**Explanation**

The process was unable to open SSL connection to server because of a bad certificate. This error usually occurs when the server certificate cannot be verified by the client.

System action

Processing stopped

User response

Make sure you have configured the key database for SSL communication as described in the documentation. Make sure to import the correct certificate from the IBM Storage Protect server you are trying to connect to.

FMV1596E: SSL protocol is not supported.**Explanation**

SSL protocol is not supported on this platform.

System action

Processing stopped

User response

Refer to IBM Storage Protect documentation for the list of supported platforms.

FMV1597E: The -pick and -deltype=all options are not valid together.**Explanation**

-deltype=all is used to delete an entire directory tree. You cannot use -pick to select individual objects from the tree. -pick is valid only with -deltype=active or -deltype=inactive.

System action

Processing stopped.

User response

Try the operation again with a valid combination of options. If you want to delete an entire tree, use -deltype=all, but do not use -pick. If you want to select which backup versions to delete, specify -deltype=active or -deltype=inactive, and use the -pick option. Also use -subdir=yes if you want the file selection to include files in subdirectories of the file specification. See the client manual or command line help for additional information.

FMV1598E: -deltype=all is not valid for this file specification.

Explanation

-deltype=all is used to delete an entire directory tree. You must specify a fully wildcard directory when using -deltype=all.

System action

Processing stopped.

User response

Try the operation again with a valid combination of options. If you want to delete all backup versions of an entire directory tree, use -deltype=all and a fully wildcarded file specification. If you want to delete backup versions of partially qualified file names, use -deltype=inactive or -deltype=active. Also use -subdir=yes if you want to delete backup versions in subdirectories of the file specification. See the client manual or command line help for additional information.

FMV1599E: Cannot load SSL runtime library.

Explanation

IBM Storage Protect failed to dynamically load SSL runtime library necessary for SSL protocol

System action

Processing stopped

User response

Make sure IBM Storage Protect client is properly installed. Try to reinstall the client software. If the problem persists, contact IBM Storage Protect customer support.

FMV1600E: Unable to load the Data Protection for Lotus Domino library.

Explanation

The Data Protection for Lotus Domino library could not be loaded.

System action

Processing ends.

User response

Ensure that Domino plugin is properly configured and check the error log on the client machine for more information.

FMV1601E: The Domino plugin operation failed because of an internal error.

Explanation

A Domino plugin internal error has occurred.

System action

Processing ends.

User response

Check the error log on the client machine for more information.

FMV1602E: The Domino plugin operation failed because the preferences file was not found.**Explanation**

The Data Protection for Lotus Domino preference file could not be found.

System action

Processing ends.

User response

The Data Protection for Lotus for Domino configuration file (default name domdsm.cfg) could not be found. Check the error log on the client machine for more information.

FMV1603E: The Domino plugin operation failed because of an internal TCP/IP error.**Explanation**

A TCP/IP error has occurred.

System action

Processing ends.

User response

Check the error log on the client machine for more information.

FMV1604E: The Domino plugin operation failed trying to start the dsmdomp address space.**Explanation**

The dsmdomp address space could not be started. This is probably an installation error.

System action

Processing ends.

User response

Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. If the problem persists, contact your System Administrator for further assistance.

FMV1605E: The Domino plugin operation failed while initializing communications with the dsmdomp address space.

Explanation

The Domino plugin communication initialization failed.

System action

Processing ends.

User response

The dsmdomp address space failed during its initialization. This is likely to be an installation error. Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. If the problem persists, contact your System Administrator for further assistance.

FMV1606E: The Domino plugin operation failed while starting up the dsmdomp address space.

Explanation

The dsmdomp address space could not be started.

System action

Data Protection for Domino processing stops.

User response

The dsmdomp address space failed during its initialization. This is likely to be an installation error. Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. Examine the file /tmp/dsmdomp* for more information. If the problem persists, contact your System Administrator for further assistance.

FMV1607E: A plugin found in the plugins library is not supported by the current level of the IBM Storage Protect client.

Explanation

The plugin is not loaded, and processing continues.

System action

The plugin is not loaded, and processing continues.

User response

This probably is an installation error. Ensure that the plugins directory contains valid plugin libraries, and that the correct level of the IBM Storage Protect client has been installed. If the problem persists, contact your System Administrator for further assistance.

FMV1608E: Domino plugin operation failed with the following message:
message

Explanation

A Domino plugin operation error occurred.

System action

Processing ends.

User response

Correct the error that caused the operation to fail.

FMV1609E: Domino plugin process failed. The following messages are associated with the error. *message*.

Explanation

A Domino plugin operation error occurred.

System action

Processing ends.

User response

Correct the error that caused the operation to fail.

FMV1611E: A plugin operation failed because of an internal error.

Explanation

A plugin internal error has occurred.

System action

The plugin operation stops.

User response

If the error persists, run with tracing enabled and contact your System Administrator and IBM Storage Protect for further assistance.

FMV1612E: The Domino plugin operation failed because of a IBM Storage Protect API error.

Explanation

An IBM Storage Protect API error occurred .

System action

Processing ends.

User response

Check error log on the client machine for more information.

FMV1613E: >Could not load the IBM Storage Protect API.**Explanation**

The IBM Storage Protect API could not be loaded.

System action

Processing ends.

User response

Check error log on the client machine for more information.

FMV1614E: The Domino plugin 'Try and Buy' license has expired.**Explanation**

The 'Try and Buy' license that was detected has expired.

System action

Processing ends.

User response

This product is no longer valid for use. A valid license must be obtained before running the product.

FMV1615E: The Domino plugin operation failed due to a license error.**Explanation**

Domino plugin license verification failed.

System action

Processing ends.

User response

Check the error log for further information.

FMV1616E: The Domino plugin operation failed because the Lotus Domino API could not be loaded.**Explanation**

The Lotus Domino API could not be loaded.

System action

Processing ends.

User response

Ensure the Lotus Domino Server is installed correctly.

FMV1617E: The Domino plugin operation failed because of a Data Protection for Domino API error.

Explanation

A Data Protection for Domino API error occurred during a Domino plugin operation.

System action

Processing ends.

User response

For more details, view the following IBM Storage Protect error logs.

The API error log (dsierror.log) and the log of Data Protection for Domino activity (domdsm.log). The default location of these logs is the Data Protection for Domino installation directory.

The backup-archive client error log (dsmerror.log), the web client error log (dsmwebcl.log), and the log of scheduler activite (dsmsched.log). The default location of these logs is the backup-archive installation directory.

FMV1618E: A Domino plugin operation is already in progress. Please wait for operation to complete.

Explanation

A Domino plugin operation is in progress.

System action

The Domino plugin operation stops.

User response

Please wait for the Domino plugin operation to complete before starting a new Domino plugin operation.

FMV1619E: The IBM Storage Protect application client cannot work with the version of the Domino plugin you have installed.

Explanation

The version of the Domino plugin currently installed on the system is older than the version used to build the IBM Storage Protect application client.

System action

Processing ends.

User response

Install a version of the Domino plugin at or later than the level of the IBM Storage Protect application client.

FMV1621E: Failed to update backup attributes on server for local backup for '*file_space_namepath_namefile_name*', object id - '*object_id*': '*object_id*' return code '*return_code*'.

Explanation

The process failed to update attributes for the named backup object on the server. The server may not reflect correct state of the backup.

System action

Processing continues.

User response

Check preceding error messages in error log for more information. Retry the operation. If problem continues, contact your IBM Storage Protect administrator.

FMV1622I: Number of backup objects cleaned up on server: '*number*' number of local snapshot resources made available : '*number*'.

Explanation

While performing consistency check for server's database and the local repository maintained on the client system, reported inconsistencies were found. Inconsistent backups cannot be restored, therefore IBM Storage Protect deletes all inconsistent backup objects and frees the space occupied in the local repository.

System action

Processing continues.

User response

Check error log for further details on which objects on server were deleted. If numbers look unusually high check your configuration and if it continues, contact your IBM Storage Protect administrator.

FMV1623W: Backup of NSF DB2 database was skipped. NSF DB2 databases not supported.

Explanation

This version of DP for Domino plugin does not support NSF DB2 databases.

System action

Backup of NSF DB2 databases is skipped.

User response

Exclude NSF DB2 databases from backup.

FMV1624E: '*value*' is an invalid value for option '*option*' for '*command*' command

Explanation

The specified option value is not valid in this context.

System action

The operation was stopped

User response

Specify a valid value for the option. Consult documentation for valid values.

FMV1626E: An unexpected error was encountered when processing a IBM Storage Protect operation using a hardware or snapshot function. IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect file : *file-name (line-number)*

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV1632I: '*option name*' not specified, defaults to '*default value*'

Explanation

A value for the option is not specified, default value will be used.

System action

The operation continues using default value for the option

User response

To override the default, specify a valid value for the option. Consult documentation for valid values.

FMV1647E: '*input spec*': Invalid input specification format.

Explanation

The specified input for this command is invalid.

System action

The operation stops.

User response

Verify that the syntax specified with the parameter is correct.

FMV1648W: PREViewsize option value is greater than the specified stub size.**Explanation**

The PREViewsize CLI option value specified must not be greater than the stub size for the file.

System action

Operation stopped. File skipped.

User response

Change the value of the PREViewsize accordingly.

FMV1649E: The option '*specified-option*' is inconsistent with the option '*other-option*'.**Explanation**

The command failed because the the two options cannot be used at the same time.

System action

The command is stopped.

User response

Run the command and do not specify both options.

FMV1650I: Command: *command-string***Explanation**

The command string listed in the message was issued by the backup-archive client.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1652I: Archived: *fshlll*

Explanation

The archive operation for the object was successful.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1653I: Updated: *fshlll*

Explanation

The update operation for the object was successful.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1654E: Failed: *fshlll*

Explanation

The **backup**, **archive**, **restore** or **retrieve** operation for the object failed.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only. For information about the failure refer to the backup-archive Client error log.

FMV1655I: Restored: *fshlll*

Explanation

The restore operation for the object was successful.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1656I: Retrieved: *fshlll*

Explanation

The retrieve operation for the object was successful.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1657I: Expired: *fshlll*

Explanation

The active version of the object was expired in the IBM Storage Protect database.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1658I: Deleted: *fshlll*

Explanation

The object was deleted from the IBM Storage Protect database.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1659I: Skipped: *fshlll*

Explanation

The object was skipped by the user during backup or archive processing.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1660I: Excluded: *fshlll*

Explanation

The object was excluded from backup or archive processing.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1661I: Unchanged: *fshlll*

Explanation

The object has not changed since the last incremental backup was performed and does not need to be resent.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1662I: Agent Node: '*agent_node*' Target Node: '*target_node*'

Explanation

Proxy nodes information.

System action

None

User response

None

FMV1663W: The option fractional reserve on volume *vol_name* was reduced to less than 100 percent.

Explanation

Network Appliance strongly recommends that when the fractional reserve is set to less than 100 percent you actively monitor space consumption and the rate of change of data in the volume to ensure you do not run out of space reserved for overwrites. In that case, if you run out of overwrite reserve space, writes to the active file system fail and the host application or operating system might crash.

System action

Process continues.

User response

Ensure that you monitor the space consumption. Consult Network Appliance for tools to monitor available space in your volumes.

FMV1664E: The snap restore for volume *volname* with snapshot name *snapname* would destroy later snapshots that are required for other applications or for volume clones.

Explanation

ONTAP will delete newer snapshots of a volume when a specific snapshot is used for snap restore.

System action

Process stops.

User response

Prior to a snap restore, ensure that newer snapshots are not used in other applications or in volume clones.

FMV1665W: IBM Storage Protect for ACS did not find any snapshots for volume *volname* on the N series filer.

Explanation

No snapshots were found for this volume on the N series filer.

System action

Process continues.

User response

None.

FMV1666W: IBM Storage Protect for ACS did not find any information about the N series volume *volname*.

Explanation

The query for information about this volume did not return any data.

System action

Process continues.

User response

None.

FMV1667E: The snapshot name *snapname* for volume *volname* was not found in the snapshot list on the N series filer.

Explanation

Snapshot identified by this name does not exist.

System action

Process stops.

User response

None.

FMV1668E: The '*drive-name1*' is not a local disk.

Explanation

The specified file system is network disk or network share. Because the CLUSTERNODE option is set to YES, the file system cannot be backed up or archived.

System action

Processing stops.

User response

If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the IBM Storage Protect client to run in a cluster environment.

FMV1669W: The *command subcommand* command can only be run in Windows WinPE mode.

Explanation

The *command subcommand* command is not supported on a currently running operating system. You must reboot to Windows WinPE mode to run this command.

System action

The command is not processed.

User response

None.

FMV1670E: The file specification is not valid. Specify a valid Network Appliance or N-Series NFS (AIX, Linux) or CIFS (Windows) volume.

Explanation

The file specification is not valid. Incremental backup using snapshot difference using the -SNAPDIFF option can only be performed on Network Appliance or N-Series NFS volumes on AIX and Linux, and on CIFS volumes

on Windows. Do not specify either Network Appliance or N-Series Qtrees or a path within the Network Appliance or N-Series volume. Only full volumes are supported.

System action

Processing stops.

User response

Retry the incremental backup operation using the -SNAPDIFF option. Specify a valid Network Appliance or N-Series NFS volume on AIX or Linux, or a CIFS volume on Windows.

FMV1672I: Could not take the cluster resource *resource name* offline. MS rc *retcode*. Error is ignored.

Explanation

Microsoft recommends taking the cluster resources offline during an authoritative cluster database restore. However, the restore can still be done if the resources cannot be taken offline. The error is ignored.

System action

Processing continues.

User response

No action.

FMV1673W: Cluster service on node *node name* could not be started. You must manually start the service.

Explanation

The cluster database has been restored. During the restore, the cluster service was taken offline. IBM Storage Protect failed to restart the cluster service.

System action

Processing continues.

User response

You can manually start the service for this node.

FMV1674I: The cluster database has been restored but the cluster service on some nodes could not be started. Use the Failover Cluster Management tool to manually start the nodes.

Explanation

The cluster database has been restored. During the restore, the cluster services were taken offline except for the node being restored. IBM Storage Protect failed to automatically start these cluster services. You need to start them manually. The nodes whose services failed to start are logged in the client error log.

System action

Processing continues.

User response

You can manually start the cluster services.

FMV1675W: Unable to obtain a list of cluster nodes to restart after the cluster database is restored. The call '*cmd*' returned with MS rc *retcode*. You must restart the cluster service on all the nodes after the restore is finished.

Explanation

Due to an error, IBM Storage Protect could not retrieve a list of nodes in the cluster to restart. The cluster services on these nodes need to be started manually. The client error log might contain additional information depending on where the failure occurred.

System action

Processing continues.

User response

Manually start the cluster services on all nodes.

FMV1676W: You are doing an authoritative cluster database restore. The process may seem to be hang before and after the file is restored. This is because it may need to start the cluster service if it is not up and take all the resources offline. After the cluster database is restored, the cluster service will be restarted for changes to be in effect. The cluster service on all other nodes also have been shutdown. They will be restarted. This may take a few minutes.

Explanation

The restore will seem to be paused at time because before the restore, IBM Storage Protect ensures the cluster service is up on the restoring node and all the resources are taken offline. After the cluster database is restored, the cluster service on the restoring node is in a paused state. The cluster service on other nodes were shutdown. All services need to be retarted. If some of the services cannot be started automatically, you can try to restart them.

System action

Processing continues.

User response

No action.

FMV1677W: IBM Storage Protect failed to set the disks for quick formatting because of an error. See the error log for more details. The disks will be slow formatted which will cause a slower restore process.

Explanation

By default, IBM Storage Protect tries to set the QuickFormat value of the HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\ASR\RestoreSession key to perform quick formatted on all the disks. Due to an error, a slow format will be performed on the re-creation of the disks. This process will cause a slower restore process.

System action

None

User response

None

FMV1678E: ASR path '*path*': not found.

Explanation

You have specified a directory that does not exist.

System action

Processing stops.

User response

Recheck all spelling and punctuation, particularly the placement of directory delimiters (for example, "\\"). Correct the syntax if it is incorrect, then retry the operation.

FMV1679W: Updating the registry to identify which volumes have been restored has failed. This does not affect the volumes that have already been restored. See the error log for more details. The error is being ignored and processing continues.

Explanation

After restoring the critical volumes, IBM Storage Protect tries to update the RestoredVolumes value of the HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\ASR\RestoreSession key to indicate which volumes have been restored. Due to an error accessing the registry, the error is logged but processing continues.

System action

Processing continues.

User response

None

FMV1680E: Snapshot Differential Backup is only available for data protection (SnapVault or SnapMirror) volumes. Volume '*NetApp-Volume*' is not a SnapVault or SnapMirror volume.

Explanation

The NetApp License only allows using snapshot differencing for data protection (SnapVault or SnapMirror) volumes.

System action

The command is not processed.

User response

None.

FMV1681E: DSM_DIR was not set and the ASRFILESPATH option was not specified.

Explanation

The ASR files can be in put in the DSM_DIR path by default or overridden with the ASRFILESPATH option. Either one is being set.

System action

Processing stops.

User response

Set the DSM_DIR environment variable or specify the ASRFILESPATH option on the "RESTORE MACHINEASR" command.

FMV1682E: Volume '*NetApp-Volume*' is a read only data protection (SnapMirror or SnapVault) volume. Snapshot Differential Backup snapshots cannot be created on a read only volume, the USEEXISTINGBASE and DIFFSNAPSHOT=latest options must be specified to select existing snapshots for use by the backup.

Explanation

The specified NetApp volume is read only which prohibits snapshots used by Snapshot Differential Backup from being created. The USEEXISTINGBASE and DIFFSNAPSHOT=latest options specify using existing snapshots and may be used in conjunction with the BASESNAPSHOTNAME and DIFFSNAPSHOTNAME options.

System action

The command is not processed.

User response

Use appropriate options for specifying existing snapshots.

FMV1684W: Disk Full Error Accessing Subfile Cache: *exception-name*

Explanation

A disk full error occurred attempting to access or write to the specified subfile cache file during a subfile incremental backup. See the client error log for more detailed information.

System action

Processing continues without subfile.

User response

None.

FMV1685E: Incremental backup operation using snapshot difference is only available for N series/NetApp filer volumes, is not a NetApp volume.

Explanation

Cannot perform NAS NFS/CIFS incremental backup operation using snapshot difference on the mounted or mapped volume because the volume is not a N series/NetApp filer volume.

System action

Processing stops.

User response

Retry the incremental backup operation by specifying an entire NAS NFS or CIFS volume.

FMV1686I: Single Instance Store link '*file-name*' will be restored or retrieved as a normal file.

Explanation

IBM Storage Protect restores Single Instance Store (SIS) links as normal files. If the restored version is a duplicate of the copy in the SIS Common Store, then the SIS Groveler will eventually recreate the SIS link.

System action

The process creates normal files instead of the reparse point.

User response

None

FMV1687E: VSS Instant Restore operation failed. Please examine the IBM Storage Protect client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file (if applicable) for more details. Consult the VSS provider documentation for the meaning of the error return code.

Explanation

VSS hardware provider failed while performing volume-level copy restore operation.

System action

Processing stopped.

User response

Attempt to determine the source of the error by examining the IBM Storage Protect Snapshot for SQL log file, the client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the IBM Storage Protect Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMV1688I: Sparse attributes for '*file-name*' cannot be backed up correctly because the volume from which the file is backed up does not support sparse files.

Explanation

If the volume from which a file is backed up does not support sparse files, then the allocated ranges for the sparse file cannot be backed up. This is true even if a file has its sparse attribute set. One example where this can occur is if a sparse file is created on a NAS volume, but the volume is backed up over CIFS, where CIFS does not support sparse files.

System action

The sparse attribute and allocated ranges for the file are not backed up. If the file is restored, the restored file will not be sparse.

User response

No action is required if you do not need the sparse attribute and allocated ranges backed up. If you require backup of the file's sparse attribute and allocated ranges, then the volume from which IBM Storage Protect backs up the file must support sparse files.

FMV1689E: The registry was not updated after VSS ASR restore.

Explanation

An error occurred while updating the registry after VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action

Processing stops.

User response

Ask your system administrator to check the error log.

FMV1690E: Snapshot Differential Backup is only available for data protection (SnapVault or SnapMirror) volumes. Volume '*NetApp-Volume*' is not a SnapVault or SnapMirror volume.

Explanation

The NetApp licensing agreement for using snapshot differencing only allows backing up data protection (SnapVault or SnapMirror) volumes.

System action

Processing stopped.

User response

none

FMV1691I: The option '*option*' that was found in the options file '*file-name*' at the line number: *number* is not supported and will be ignored by the client.

Explanation

The specified option is valid but not supported on the current platform and will be ignored by the client.

System action

Processing continues.

User response

You can ignore the message or remove the option from the option file.

FMV1692E: The certificate is not trusted.

Explanation

The client was unable to open SSL connection to the server because the server certificate was not trusted.

System action

Processing stopped

User response

Make sure that you have configured the key database for SSL communication as described in the documentation. If the IBM Storage Protect server is using a self-signed certificate, make sure that you import the correct certificate from the server you are trying to connect to. When the server is using a certificate signed by an authority, make sure that the root certificate of the authority is imported into the client key database.

FMV1693E: The certificate validity period is incorrect.

Explanation

The client was unable to open an SSL connection to the server because the certificate validity period is incorrect.

System action

Processing stopped

User response

Report this to the IBM Storage Protect server administrator. The server must have the correct certificate installed.

FMV1694E: The certificate identity could not be verified.

Explanation

The process was unable to open an SSL connection to the server because the certificate identity could not be verified. This happens when the certificate ownership information does not match the IBM Storage Protect domain name or IP address.

System action

Processing stopped

User response

Make sure that the server domain name or the IP address (the value of the **TCPSERVERADDRESS** option) is correct. If the problem persists, report it to your IBM Storage Protect server administrator.

FMV1695E: The certificate is not valid.

Explanation

The process was unable to open an SSL connection to the server because of an invalid certificate. The client was unable to determine the exact cause of the failure.

System action

Processing stopped

User response

Further analysis of the server certificate, the client key database, or both, is needed. Refer to IBM Storage Protect documentation for more information.

FMV1696E: Only root can perform this action.

Explanation

User must be root to perform this action.

System action

Processing stopped.

User response

Log in as root and try the operation again.

FMV1698I: The option '*option_name*' that was found in the command is not supported and will be ignored by the client.

Explanation

The specified option is valid but not supported on the current platform and will be ignored by the client.

System action

Processing continues.

User response

Remove the specified option from the command line, and try again.

FMV1700W: Database '*database*' (save date=*date*) was successfully recovered.

Explanation

The specified database (which was saved on the specified date) was successfully recovered.

System action

The specified database was recovered with the last saved version.

User response

none.

FMV1704W: Option '*option-name*' can not be supplied by application and is ignored.

Explanation

An API application supplied option. The option cannot be specified by an application. The option can be specified only in the dsm.sys options file.

System action

The supplied option is ignored. Processing continues.

User response

Correct the application configuration.

FMV1705E: System Writers *writersname* do not exist.

Explanation

These writers are an essential part of the operating system. When they are not available the backup will complete successfully but the data for those writers will not get backed up to the IBM Storage Protect server. This can result in the computer not booting after a restore of the system state.

System action

System state backup stopped.

User response

Verify that these writers exist using 'vssadmin list writers' command. Try the operation again. If the problem persists, contact your system administrator or IBM Storage Protect administrator for further help.

FMV1706E: Error creating directory ' *directory*'.

Explanation

The system was unable to create the specified directory.

System action

Processing terminates.

User response

Verify that the system has the appropriate permissions to create this directory, and then restart the operation.

FMV1707E: Hard link '*new-file-name*' could not be created for existing file '*exist-file-name*'. Microsoft Windows return code: '*windows-return-code*' '*windows-error-text*'

Explanation

Some system state files are hard links that point to another file. During system state restore, IBM Storage Protect recreates the hard links for restored system state files. If a file with the same name as the hard link already exists at the time of the restore, IBM Storage Protect attempts to replace the file with the hard link. This message is issued when IBM Storage Protect is unable to replace an existing file with a hard link. The message includes the hard link name, the system state file name to which the hard link points and the Microsoft Windows return code information. The return code information indicates why the file could not be replaced. It is possible for the operating system or applications to behave erratically if the hard link cannot be recreated.

System action

The hard link is skipped, system state restore continues.

User response

Use the Microsoft Windows return code information provided in the message to determine the underlying cause of the error. Based on the underlying cause of the error and the reason you are restoring the system state, you can choose to either correct the underlying cause and perform the restore again, or you can attempt to manually create the hard link. Because this error message represents an unusual and unexpected condition, you should give careful consideration to the potential consequences of either choice. The hard link can be created manually

as follows: Rename the file that has the same name as the hard link. Then use the Microsoft Windows utility fsutil.exe as follows: FSUTIL HARDLINK CREATE hardlinkname originalfilename

FMV1708E: Backup operation failed. Only a root user can do this operation.

Explanation

Backups initiated by non-root users are disabled by IBM Storage Protect administrator.

System action

The operation stops.

User response

Request the IBM Storage Protect administrator to enable non-root backups.

FMV1710I: Rebound: *fshlll*

Explanation

The active version of the object was rebound to a MC in the IBM Storage Protect database.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV1711E: Unable to access disk '*disk name*' of VM '*vmname*' during backup.

Explanation

The client is unable to access the VM disk. In case of an offload backup, this might happen if an RDM disk exists in the VM and is not accessible on the auxiliary ESX host.

System action

The virtual machine is not backed up.

User response

Ensure that the VM disk is accessible on the ESX.

FMV1712W: Operation on snapshot of a snapshot volume '*uncVolumePath*' is not supported for the disk provider type '*LUN-provider-name*' (*LUN-provider-type*).

Explanation

Functionality is not available on this type of LUN.

System action

Operation continues.

User response

Delete manually the LUN on the storage device or subsystem.

FMV1715E: A file space already exists for virtual machine (*VM_name*), but with a different virtual machine UUID (*VM_UUID*) than the current virtual machine UUID (*VM_UUID*).

Explanation

A virtual machine with this name was backed up, and it has a different virtual machine UUID than the virtual machine that is backed up now. This can occur if there are two virtual machines with the same name that are backed up to the same data center node name. In this case, the backup can not continue because the backup-archive client uses the virtual machine name to uniquely reference the virtual machine on the IBM Storage Protect server.

This can also occur if the virtual machine UUID changed after a previous backup operation. This is the case after the following events:

1. Virtual machine VM_1 backed up.
2. Virtual machine VM_1 is restored with a new name: VM_2. A new UUID is assigned to VM_2.
3. Virtual machine VM_1 is deleted.
4. Virtual machine VM_2 is renamed to VM_1.

System action

The backup of this virtual machine fails. The backup process can continue with other virtual machines.

User response

If there are two or more virtual machines with the same name in the data center inventory, you can complete either of the following actions:

- Rename the virtual machines so that all names in the data center inventory are unique.
- Backup up virtual machines with the same name to different IBM Storage Protect servers.

If the VM's UUID changed, run a **BACKUP VM** command with **VMBACKUPUPDATEGUID** option. The **VMBACKUPUPDATEGUID** option updates the UUID on the IBM Storage Protect server.

FMV1716E: A VMware vStorage web service task timed-out.

Explanation

The IBM Storage Protect client timed-out waiting for VMware vCenter or ESX host to complete a requested web service task. Resources could be low or the system could be busy.

System action

Processing stopped

User response

Please check the VMware vCenter or ESX host for errors.

FMV1717E: A VMware vStorage web service task failed.

Explanation

A VMware vCenter or ESX host web service task failed.

System action

Processing stopped

User response

Please check the VMware vCenter or ESX host for errors.

FMV1729E: The passed file list '*file-list*' is not a valid input file list. Pass standard file list or collection file list to the dsmrecall command.

Explanation

User has passed a invalid file list type to the dsmrecall command

System action

Processing stopped

User response

pass standard file list or collection file list to dsmrecall command.

FMV1730E: The IBM Storage Protect server query for ordering information failed.

Explanation

Tape optimized recall was not able to retrieve ordering information from the IBM Storage Protect server.

System action

Processing stopped

User response

Check the connection to the IBM Storage Protect server to see if the IBM Storage Protect server is available and you have the correct access rights configured.

FMV1731E: Tape optimized recall for file list '*file-list*' failed with rc = *code*.

Explanation

Tape optimized recall was not able to retrieve ordering information from the IBM Storage Protect server.

System action

Processing stops.

User response

Check all error messages above this message to get details about the problem.

FMV1732W: File '*file*' is from a different file system. writing file to list of unprocessed files: '*file-list*'.

Explanation

The dsmrecall command specifies a file system to process. Files from other file systems are skipped and written into a unprocessed list.

System action

File is skipped and information is written to a list of unprocessed files

User response

Check that all files in the input file list are from the correct file system.

FMV1733I: A collection file was specified '*file-list*' The ordering process is skipped.

Explanation

A collection file was passed as the input file list. Ordering is not necessary since it the file is already ordered. Only the recall is started.

System action

The ordering processed is not started, only recall started.

User response

No further action needed.

FMV1734W: The virtual machine '*VM-name*' contains one or more independent disks. Backups are not supported in this configuration. Specify the '*-vmprocessvmwithindependent=yes*' option to exclude these disks from the backup.

Explanation

Independent disks are not affected by snapshots so the IBM Storage Protect client does not support backing them up.

System action

The virtual machine is not backed up.

User response

Turn off the virtual machine and change the disk independent mode or remove them from the virtual machine. Or specify the '*-vmprocessvmwithindependent=yes*' option to exclude these disks from the backup.

FMV1735W: The virtual machine '*VM-name*' contains one or more physical Raw Device Mappings (RDMs). Backups are not supported in this configuration. Specify the '*-vmprocessvmwithprdm=yes*' option to exclude these disks from the backup.

Explanation

Physical RDMs are not included in snapshots so the IBM Storage Protect client does not support backing them up.

System action

The virtual machine is not backed up.

User response

Turn off the virtual machine and change the RDMs to virtual mode or remove them from the virtual machine. Or specify the '*-vmprocessvmwithprdm=yes*' option to exclude these disks from the backup.

FMV1737E: The PRESNAPSHOTCMD command failed.

Explanation

The command specified by the PRESNAPSHOTCMD option must complete successfully in order to perform the VSS snapshot backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the VSS snapshot backup is not performed.

System action

The client does not perform the VSS snapshot backup operation.

User response

Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, consider wrapping the command in a script that always exits with a return code of zero.

FMV1738W: The POSTSNAPSHOTCMD command failed.

Explanation

If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, the VSS snapshot backup operation continues. The operation continues with a warning-level result. The result of the POSTSNAPSHOTCMD command does not supersede a higher result from the VSS snapshot backup command. For example, if the VSS snapshot backup command completed with code 12, a lower return code from the POSTSNAPSHOTCMD command does not alter the return code.

System action

The VSS snapshot backup continues, but with a warning return code of at least 8.

User response

Identify and repair the problem that caused the command to fail. Consider wrapping the command in a script that always exits with a return code of zero.

FMV1739E: Restore of a system drive is not permitted.

Explanation

The drive to which you are restoring contains the operating system.

System action

Processing stops.

User response

Try the operation again without specifying a system drive.

FMV1740W: Unable to read ACLs for object: *file_system path name*. Check dsmerror.log for more information.

Explanation

The ACLs of the object are not read.

System action

The object is skipped. Processing continues with the next object.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV1741W: Unable to read extended attributes for *file_system path name*. Check dsmerror.log for more information.

Explanation

The extended attributes of the object are not read.

System action

The object is skipped. Processing continues with the next object.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Follow the suggested corrective actions (if any) and try the operation again.

FMV1742E: Expose Snapshot failed for backup '*backup-name*'.

Explanation

Expose snapshot failed.

System action

Processing stops

User response

See the dsmerror.log file for further details.

FMV1743E: Unexpose snapshot failed for backup '*backup-name*'.**Explanation**

Unexpose snapshot failed.

System action

Processing stops

User response

See the dsmerror.log file for further details.

FMV1744E: One or more of the snapshots(volumes) needed for the restore operation were not found. See dsmerror.log for further details.**Explanation**

One or more of the snapshots needed for restore were not found on the system.

System action

Processing stops

User response

See the dsmerror.log file for further details.

FMV1745I: The virtual machine to restore has one or more distributed port groups. Further configuration might be necessary to select a port number after the restore is complete.**Explanation**

The virtual machine was saved with one or more NIC cards backed by distributed port groups. Due to conflicts on restore the port number(s) were not saved.

System action

The restore continues.

User response

Edit the virtual machine settings and select a port if needed.

FMV1746E: No available LUNs were found. Confirm that the storage adapters are configured correctly on the host and that the LUNs are not mapped to another virtual machine.

Explanation

The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine.

System action

The virtual machine cannot be restored.

User response

Confirm that the Storage Adapters are configured correctly on the host and that the LUNs are not mapped to another virtual machine.

FMV1747E: Encryption key password is not available.

Explanation

The client is not enabled for encrypted backup/restore operations by non-authorized users or the encryption key password is not stored by the administrator.

System action

Objects that cannot be encrypted or decrypted are skipped.

User response

Contact the administrator for your system to configure encrypted operations for non-authorized users.

FMV1748E: The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine: LUN UUID *lun*.

Explanation

The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine.

System action

The virtual machine cannot be restored.

User response

Find the required LUN and make it available to the virtual machine.

FMV1749W: Object '*filesystem-namehl-name*' was backed up with invalid file system type attribute.

Explanation

File system type is used by the client to determine if an object name is case sensitive or not. Wrong file system type may result in incorrect sort order of the server tree for case sensitive file systems. Finally some unchanged files may expire and then re-backed up during full incremental backup.

System action

Processing continues.

User response

It is recommended to rename the correspondent filesystem on IBM Storage Protect server and do the full incremental backup again.

FMV1750I: Volume mount point '*volumentpoint*' is mounted to volume '*volume*'. Using snapshot volume for '*volume*' to backup.

Explanation

The volume mount point resolved to a volume that has been snapped. The same snapshot volume will be used.

System action

Processing continues.

User response

None.

FMV1751E: Error processing '*filesystem name*': The file system can not be accessed.

Explanation

The client is unable to access the file system. Two common reasons for this are the account under which the client is running does not have access to the root of the file system, or the file system does not exist.

System action

The inaccessible file system is skipped. Processing continues with the next file system.

User response

Check the error log for additional messages that might yield additional information about the problem that prevents access to the file system. Correct the problem, then retry the operation. If the account does not have access to the file system, then either the system administrator needs to grant access, or an account that has access to the file system must be used. If the file system does not exist, then remove or correct the file system specification.

FMV1752E: The file system can not be accessed.

Explanation

The client is unable to access the file system. Two common reasons for this are the account under which the client is running does not have access to the root of the file system, or the file system does not exist.

System action

The inaccessible file system is ignored.

User response

Check the error log for additional messages that might yield additional information about the problem that prevents access to the file system. Correct the problem, then retry the operation. If the account does not have access to the file system, then either the system administrator needs to grant access, or an account that has access to the file system must be used. If the file system does not exist, then remove or correct the file system specification.

FMV1753E: File space '*file space name*' was backed up by an older client version, and cannot be restored with this client version. The file space will be skipped.

Explanation

The backup set format in earlier client versions for SYSTEM STATE and SYSTEM SERVICES is incompatible with the current client version. Those file spaces will be skipped. The restore might appear to pause while the client skips past the objects in those file spaces. Other remaining file space data will be restored.

System action

Objects in this file space are skipped. Other remaining file space data will be restored.

User response

Restore this specific file space in the backupset with a prior level client.

FMV1754E: File space '*file space name*' cannot be restored when ASNODENAME option is in affect. The file space will be skipped.

Explanation

System state data of another node should not be restored to a different node. Those file spaces will be skipped. The restore might appear to pause while the client skips past the objects in those file spaces. Other remaining file space data will be restored.

System action

Objects in this file space are skipped. Other remaining file space data will be restored.

User response

Remove ASNODENAME option before restoring this specific file space in the backupset or use the node name that was used to backup system state data to restore.

FMV1755W: An error communicating with Active Directory has occurred. The USEDIRECTORY option will be ignored and processing will continue.

Explanation

The process attempted to query Active Directory for IBM Storage Protect server parameters but an error has occurred. This could be caused by Active Directory or the IBM Storage Protect server configuration.

System action

IBM Storage Protect will ignore the **USEDIRECTORY** option and continue with client processing.

User response

Make sure your computer is properly set up to the domain with Active Directory. Also, make sure your IBM Storage Protect Administrator has properly configured the IBM Storage Protect server for your node.

FMV1756W: The Journal for '*backup-specification*' has been reset: The server filespace was deleted since the last backup completed.

Explanation

The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action

The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response

None.

FMV1757W: The Journal for '*backup-specification*' has been reset: The server filespace was deleted since the last backup completed.

Explanation

The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action

The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response

None.

**FMV1758W: The Journal for '*backup-specification*' has been reset:
The server filespace was deleted since the last backup completed.**

Explanation

The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action

The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response

None.

**FMV1759W: The Journal for '*backup-specification*' has been reset:
The policy set was updated since the last backup completed.**

Explanation

The client has reset the journal for the specified file system because the node policy set was updated since the last backup completed.

System action

The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response

None.

**FMV1760I: Journal for '*backup-specification*' enabled for node
'*nodename*' and server '*servername*'**

Explanation

The journal for the specified file system is now valid and will be used by the next full incremental backup by the specified IBM Storage Protect node and server.

System action

The next full incremental backup of the file system will use the journal.

User response

None.

FMV1761I: Journal for '*backup-specification*' will be enabled upon successful completion of the backup.

Explanation

An active but invalid journal is present for the file system being backed up. Once the backup successfully completes the journal will be available for use by the next full incremental backup of the file system with the same IBM Storage Protect node and server.

System action

None.

User response

None.

FMV1763W: Unable to unmount snapshot mount point *snapshot mountpoint* during cleanup of snapshot '*snapshot*' of volume '*volume*'. Error is '*error*'. Operation will continue. Please manually unmount, remove the snapshot mount point directory and delete the snapshot after backup is completed.

Explanation

During the termination phase of IBM Storage Protect client operation, it was not possible to unmount the snapshot for some reason. However, IBM Storage Protect operation was completed successfully.

System action

Processing continues, and the unmount error is ignored.

User response

Please manually cleanup the snapshots as follows: Query the snapshot: `snapshot -q -c: <source FS>`. Snapshot name will be of the format: `tsmxxxxxxxxxx`. Check if it is mounted: `df -k | grep tsmxxxxxxxxxx`. Unmount the snapshot: `umount -f tsmxxxxxxxxxx`. Remove snapshot mount point: `rmdir tsmxxxxxxxxxx`. Delete the snapshot: `snapshot -d /dev/tsmxxxxxxxxxx`. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: `umount -f <source FS>`. Retry snapshot delete: `snapshot -d /dev/tsmxxxxxxxxxx`. Check if any logical volumes are remaining: `ls -l /dev/tsm*`. Remove any remaining logical volumes: `rmlv -f tsmxxxxxxxxxx`. Remount source file system, if previously unmounted: `mount <source FS>`.

FMV1764W: Unable to remove the snapshot mount point directory *snapshot mountpoint* during cleanup of snapshot '*snapshot*' of volume '*volume*'. Error is '*error*'. Operation will continue. Please manually remove the snapshot mount directory and delete the snapshot after backup is completed.

Explanation

During the termination phase of IBM Storage Protect client operation, it was not possible to remove the mount point directory for the snapshot for some reason. However, IBM Storage Protect operation was completed successfully.

System action

Processing continues, and the rmdir error is ignored.

User response

Please manually cleanup the snapshots as follows: Query the snapshot: `snapshot -q -c: <source FS>`. Snapshot name will be of the format: `tsmxxxxxxxxxx`. Check if it is mounted: `df -k | grep tsmxxxxxxxxxx`. Unmount the snapshot: `umount -f tsmxxxxxxxxxx`. Remove snapshot mount point: `rmdir tsmxxxxxxxxxx`. Delete the snapshot: `snapshot -d /dev/tsmxxxxxxxxxx`. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: `umount -f <source FS>`. Retry snapshot delete: `snapshot -d /dev/tsmxxxxxxxxxx`. Check if any logical volumes are remaining: `ls -l /dev/tsm*`. Remove any remaining logical volumes: `rmlv -f tsmxxxxxxxxxx`. Remount source file system, if previously unmounted: `mount <source FS>`.

FMV1765W: Unable to delete the snapshot during cleanup of snapshot 'snapshot' of volume 'volume'. Error is 'error'. Operation will continue. Manually delete the snapshot after backup is completed.

Explanation

During a backup-archive client operation, it was not possible to delete the snapshot for some reason. However, the operation was completed successfully. The error could be caused by an unexpected order of snapshot commands. AIX JFS2 expects the snapshot delete requests for a given filesystem to be issued in the order of oldest snapshot first, next oldest snapshot second, and so on. If there are other processes using older snapshots for the same filesystem, it fails the delete request. Also, the backup-archive client only deletes snapshots that were created by one of its processes. It will not delete older snapshots created by other applications or users. In this case, the user will have to manually delete all the older snapshots so that the next backup-archive command can complete successfully.

System action

Processing continues, and the snapshot delete error is ignored.

User response

Manually clean up the snapshots as follows: Query the snapshot: `snapshot -q -c: <source_FS>` The snapshot name will be of the format: `tsmxxxxxxxxxx`. Check if the snapshot is mounted: `df -k | grep tsmxxxxxxxxxx`. Unmount the snapshot: `umount -f tsmxxxxxxxxxx`. Remove the snapshot mount point: `rmdir tsmxxxxxxxxxx`. Delete the snapshot: `snapshot -d /dev/tsmxxxxxxxxxx`. If the snapshot delete operation fails with "Device Busy" or some other error, unmount the snapshot source filesystem: `umount -f <source_FS>`. Retry snapshot delete: `snapshot -d /dev/tsmxxxxxxxxxx`. Check if any logical volumes are remaining: `ls -l /dev/tsm*`. Remove any remaining logical volumes: `rmlv -f tsmxxxxxxxxxx`. Remount source file system, if previously unmounted: `mount <source_FS>`.

FMV1767E: Unable to create a snapshot logical volume using command: 'cmd'. Error is 'error'. Please ensure that the volume group has sufficient free partitions to fulfill the allocation request.

Explanation

During the initialization phase of IBM Storage Protect client operation, it was not possible to create a logical volume for the snapshot.

System action

Processing continues, and the create snapshot logical volume error is ignored. IBM Storage Protect operation will be performed without the snapshot.

User response

Please ensure that the volume group has sufficient free partitions to fulfill the mklv allocation request and retry the operation.

FMV1768E: IBM Storage Protect was unable to find space for a new snapshot. IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect file : *file-name* (*line-number*)

Explanation

None.

System action

Processing stops.

User response

Previous backups may still be pending. If problem persists contact the IBM Storage Protect administrator with the information provided in this message.

FMV1769E: NetApp file server '*server-name*' at Data ONTAP version '*version.modification.submodification*' is not supported for performing incremental backups using snapshot difference.

Explanation

Incremental backup using Snapshot difference requires Data ONTAP V7.3 or later. However, if you are upgrading from Data ONTAP version 7.3.3 or later to version 8.0, you will lose snapshot difference support for unicode file names. Upgrade to Data ONTAP version 8.1 or later.

System action

Processing stops.

User response

Upgrade the file server to a supported level of Data ONTAP, then retry the operation.

FMV1770E: Unable to resolve address '*tcpip address*'. Error = *error code*, '*error message*'

Explanation

The system was not able to get the TCP/IP v6 address.

System action

Processing stopped

User response

Verify the address shown is a TCP/IP v6 address and can be resolved with ping or ping6.

FMV1771W: The system state file space '*file space name*' cannot be restored to a different location.

Explanation

The system state file space cannot be restored to a different location. This file space is skipped.

System action

Objects in the system state file space are skipped. Other remaining file spaces are restored. The restore might appear to pause while the client skips past the objects in this file space.

User response

Restore system state to its original location.

FMV1772E: Error loading the snapshot plugin. The plugin might not be installed.

Explanation

The snapshot plugin could not be loaded, possibly because the plugin is not installed.

System action

The snapshot backup is stopped.

User response

On Linux 86/86_64 platform, install the TIVsm-BAhdw package if it is not already installed. Try the operation again. On AIX platform, install the hdw and snphdw filesets if they are not already installed. Try the operation again.

FMV1773I: The virtual machine '*VM-name*' contains one or more independent disks and these disks are excluded from the VM backup.

Explanation

You cannot perform a snapshot of independent disks. Specify the option '*-vmprocessvmwithindependent=yes*' to skip these disks.

System action

The virtual machine independent disks will not be backed up.

User response

None.

FMV1774I: The virtual machine '*VM-name*' contains one or more physical Raw Device Mappings (RDM) disks and these disks are excluded from the VM backup.

Explanation

You cannot perform a snapshot of physical RDM disks. Specify the option '-vmprocessvmwithprdm=yes' to skip these disks.

System action

The virtual machine physical RDM disks are not backed up.

User response

None.

FMV1780E: *writer-name* failed to initialize and subscribe to VSS.

Explanation

IBM Storage Protect encountered an error while creating *writer-name* under control of the Windows Volume Shadow Copy Service (VSS). Examine the IBM Storage Protect error log and Applications Event Log for additional information about this error.

System action

Processing ends.

User response

Try the operation again. If the error persists, examine the IBM Storage Protect error log and Windows event log for information related to this error.

Restart the Windows Volume Shadow Copy Service (VSS), and try the operation again.

In some cases, it is necessary to restart the machine to clear the VSS error state.

FMV1782E: *writer-name* failed to be stopped.

Explanation

IBM Storage Protect encountered an error while stopping *writer-name*. Examine the IBM Storage Protect error log and Applications Event Log for additional information about this error.

System action

Processing ends.

User response

Try the operation again. If the error persists, examine the IBM Storage Protect error log and Windows event log for information related to this error.

Restart the Windows Volume Shadow Copy Service (VSS), then try the operation again.

In some cases, it is necessary to restart the machine to clear the VSS error state.

FMV1784E: Incremental by snapshot difference cannot be performed on 'volume-name' as it is a vFiler volume.

Explanation

Snapshot difference incremental backup is not supported on vFiler volumes.

System action

Processing stops.

User response

Perform snapshot difference incremental backup on normal NetApp/N-Series volumes only.

FMV1787I: The virtual machine NIC is backed by a distributed virtual port group but it is missing the portgroupKey attribute, The NIC cannot be restored.

Explanation

The virtual machine NIC is missing the required portgroupKey attribute.

System action

The virtual machine can be restored but the NIC cannot be restored.

User response

After the virtual machine has been restored a new NIC card can be added.

FMV1788I: The target ESX host is missing the required distributed virtual port group, the virtual machine NIC cannot be restored. Use VMDEFAULTDVPORTGROUP option to set to specify new port group. If target ESXi server does not have any port groups, use VMDEFAULTNETWORK option.

Explanation

The virtual machine NIC was backed by a distributed virtual port group but the target ESX host is missing this port group.

System action

The virtual machine can be restored but the NIC cannot be restored.

User response

After the virtual machine has been restored a new NIC card can be added.

FMV1789I: No Ddistributed virtual port group were found on the target ESX host. The virtual machine NIC cannot be restored.

Explanation

The virtual machine NIC was backed by a distributed virtual port group but the target ESX host has no port group available.

System action

The virtual machine can be restored but the NIC cannot be restored.

User response

After the virtual machine has been restored a new NIC card can be added.

FMV1790E: Volume '*volname*' cannot be backed up because 'nosnapdir=on' is set on the filer.

Explanation

This message is issued when option 'nosnapdir=on' is in set for the volume indicated in the message. When this option is set, the volume snapshots are hidden and thus cannot be backed up.

System action

The volume indicated in the message is not backed up. Processing continues with the next volume.

User response

To back up the volume, change the volume on the filer: Set option 'nosnapdir=off'. Then try the backup operation for this volume again. If the volume is not backed up, remove it from the backup-archive client DOMAIN setting.

FMV1794I: The option 'cifs.enable_share_browsing = off' is set on the filer '*filerName*'.

Explanation

This message is issued when the option 'cifs.enable_share_browsing = off' is set on the NAS filer indicated in the message.

System action

Processing continues.

User response

Set option 'cifs.enable_share_browsing = on'. Then try the snapshot difference backup operation again.

FMV1795I: Operation will continue without using snapshot provider, because file system '*volname*' does not have write permissions.

Explanation

The source file system for a snapshot should be read-write as by definition a snapshot is a point-in-time snapshot of changing file system. Snapshot creation updates the file system superblock which requires the file system to be read-write

System action

Processing continues without using snapshot provider.

User response

If the volume needs to be backed up via snapshot provider, change its permissions to read-write.

FMV1796I: The short name for '*fullpath-name*' could not be set to original short name '*file-name*': Windows function '*func-name*' failed with return code *return-code*, reason: '*error text*'

Explanation

The client cannot set the short name for the specified object. This is usually because the short name is already in use by another object located in the same directory. Another possible reason is that the account under which the client is running does not have the SE_RESTORE_NAME privilege.

System action

The short name for the specified object is not set. The object will retain the default short name. Otherwise processing continues.

User response

This message is informational and can be safely ignored. If you require that the object be restored with its original short name, you will need to move or delete the conflicting object. From an operating system command prompt, change to the directory that contains the object you want to restore. Then use the "*dir /x*" command to identify the conflicting object. Also make sure that you have the SE_RESTORE_NAME privilege. If you need assistance, see your system administrator. After the conflict has been resolved, try to restore the file again.

FMV1797E: Function *function-name* received an unexpected error from the Microsoft API *MS-function-name*: rc=*error* while attempting to access the object '*object-name*'. Error occurred in file *file-name* (*line-number*).

Explanation

An error occurred while processing the object. The error code indicates the reason for the failure. This information can be used to diagnose the problem.

System action

The IBM Storage Protect client may or may not fail the operation, depending on the code.

User response

Contact your system administrator for more information.

FMV1798W: An error occurred while accessing encrypted data of the object '*object-name*', skipping object. Windows system error code *error*, reason '*error-reason*'

Explanation

An error occurred while processing encrypted data of the object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action

Object skipped.

User response

Contact your system administrator for more information.

FMV1799I: The last access date for '*fullpath-name*' could not be reset because the file is read-only.

Explanation

Option PRESERVELASTACCESSDATE YES is in effect, but the IBM Storage Protect client was unable to reset the last access date for the specified file because the file's "read only" attribute is enabled. The client cannot reset the last access date for "read only" files.

System action

The last access date for the specified file is not reset. Otherwise processing continues.

User response

This message is informational and can be safely ignored. You might want to turn off the "read only" attribute for the file so that subsequent backups can reset the last access date. Before turning off the attribute, you should verify that doing so will not impact the integrity of the file or the applications that use the file. You should also make sure that turning off the attribute will not conflict with the file management policies of your organization.

FMV1800W: The last access date for '*fullpath-name*' could not be reset: function '*func-name*' failed with return code *return-code*

Explanation

Option PRESERVELASTACCESSDATE YES is in effect, but the IBM Storage Protect client was unable to reset the last access date for the specified file. The message includes the name of the function that failed and the return code from that function.

System action

The last access date for the specified file is not reset. Otherwise processing continues.

User response

If the problem is reproducible, obtain a SERVICE trace that captures an instance of this problem. Run the QUERY SYSTEMINFO command and collect the dsminfo.txt file. Contact IBM Storage Protect support and report the exact text of this error message. Be sure to provide support with the dsminfo.txt and dsmerror.log files and (if available) the SERVICE trace.

FMV1801E: Unable to register the new ID with server.

Explanation

The reasons of this problem can be lack of client system memory or server protocol error. The IBM Storage Protect activity log might contain a corresponding error message with further information about the cause.

System action

The new ID is not registered with the server.

User response

Please check your network connection and try again after time. If the error appears again, please contact your client machine administrator.

FMV1802E: Incremental backup of '*file-name*' finished with *failCount* failure(s)

Explanation

This message is issued after completion of an incremental backup operation for the named file specification when one or more objects in that file specification could not be backed up.

System action

Processing continues.

User response

Examine the client error log for additional messages that indicate the reasons that each failed object could not be backed up. Take any corrective action as suggested by the messages.

FMV1803E: Archive processing of '*file-space name*' finished with failures.

Explanation

This message is issued after completion of an archive operation for the named file specification when one or more objects in that file specification could not be archived.

System action

Processing continues.

User response

Examine the client error log for additional messages that indicate the reasons that each failed object could not be archived. Take corrective action as suggested by the messages.

FMV1804E: Selective Backup processing of '*file-space name*' finished with failures.

Explanation

This message is issued after completion of a selective backup operation for the named file specification when one or more objects in that file specification could not be backed up.

System action

Processing continues.

User response

Examine the client error log for additional messages that indicate the reasons that each failed object could not be backed up. Take any corrective action suggested by those messages.

FMV1805E: Unable to restore symbolic link '*file-name*'.

Explanation

The client operating system is not able to create a symbolic link because the link points to a filename that is not given.

System action

Processing continues.

User response

Try the restore on a different operating system.

FMV1806W: Size exceeded the maximum file size limit on your system for '*file_space_namepath_namefile_name*' of '*file_size*'.

Explanation

You tried to restore or retrieve a file that has exceeded the maximum file size limitation on your system.

System action

The process cannot restore or retrieve the file.

User response

Restore or retrieve this file on a system that supports the file size. See your system administrator.

FMV1807E: Unable to recall file from server due to error from recall daemon.

Explanation

Unable to recall file. The recall daemon reported an error while trying to recall a file. Look in the recall daemon's error log for more information. This can happen if the server is down, the connection is broken, or the file is

missing on the server. It is also possible that the migration server in the system option file has been changed to a different server. The recall daemon does not check the system option file for changes once it has started.

System action

File skipped.

User response

See if the server is up, and retry. If the problem still exists, look in the error log. Also have the workstation administrator run `dsmreconcile` against the file system and see if the file shows up in the `.SpaceMan/orphan.stubs` file. If system option file has been changed, stop all recall daemons and restart the master recall daemon to pick up the changes.

FMV1808E: The Logical Volume Snapshot Agent is not at the correct level. It is possible that the Client was upgraded to a newer level but the LVSA driver was not updated at the same time. Use the Setup Wizard to configure either Online Image or Open File support and choose Update the Logical Volume Snapshot Agent.

Explanation

The selected operation requires the current level of the Logical Volume Snapshot Agent. Use the Setup Wizard to update the LVSA.

System action

The selected operation is not performed.

User response

Retry the operation after updating the Logical Volume Snapshot Agent.

FMV1809W: A session with the IBM Storage Protect server has been disconnected. An attempt will be made to reestablish the connection.

Explanation

This message is issued after the session with the IBM Storage Protect server is unexpectedly lost. Some possible reasons that this message might be issued: - There is a problem with the network. - The IBM Storage Protect server was shut down. - The IBM Storage Protect server administrator cancelled the client session.

System action

The client will try to reestablish a connection with the server. If the IBM Storage Protect server administrator cancelled the session, then the attempt to reestablish the connection will fail and message FMV1369E will be issued. If the attempt to reestablish the connection is successful, then processing will continue. If the attempt to reestablish the connection fails, then the client will continue to try to reestablish a connection according to the `COMMRESTARTDURATION` and `COMMRESTARTINTERVAL` client option settings.

User response

If the session was cancelled by the IBM Storage Protect server administrator and you do not know why, or if the client is unable to reestablish a session with the IBM Storage Protect server, then contact your IBM Storage Protect server administrator for further information. Frequent occurrences of the FMV1809W message can indicate a problem with the network. If this message is repeatedly found in the `dsmerror.log`, investigate possible networking trouble, such as a failing network interface card or router problem. One common problem is

the media speed of the network adaptors: If the network adaptors are set to "auto-negotiate", try changing them to "100%% full duplex". If the problem persists, then as a temporary measure ask your IBM Storage Protect server administrator increase the COMMTIMEOUT and IDLETIMEOUT option settings on the IBM Storage Protect server. This might reduce the frequency of this message.

FMV1810I: A session with the IBM Storage Protect server has been reestablished.

Explanation

The session with the server has been reestablished after a connection failure. This message is usually preceded by message FMV1809W.

System action

Processing will continue.

User response

None. This message is informational only.

FMV1811S: IBM Storage Protect session could not be reestablished.

Explanation

The session with the server has been lost. Attempts to reestablish the session were unsuccessful. Possible causes include, but are not limited to the following:

- The server has been halted.
- The network connection to the server is down.
- The communication program that IBM Storage Protect is interacting with has encountered some problem.

System action

Processing is stopped.

User response

Check network connection to the server. Insure that the IBM Storage Protect server is running. Insure that the communication program underlying IBM Storage Protect is working properly.

FMV1813E: Image Backup processing of '*file space - name*' finished with failures.

Explanation

The image backup operation failed. This message is usually preceded by other messages indicating the nature of the failure.

System action

The failing file space is skipped and processing continues.

User response

Examine the messages preceding this message and the IBM Storage Protect Client error log for more specific indications about the problem. A common cause is that a tape could not be mounted on the IBM Storage Protect server, perhaps due to an insufficient number of mount points. If there is a problem with the server, contact your System Administrator for further assistance.

FMV1814E: Unable to start the scheduled event '*event-name*'

Explanation

The scheduled *event* is no longer valid on the server. Either the window has elapsed or the schedule has been deleted.

System action

The client scheduler queries the server to obtain the next scheduled event.

User response

If the problem continues, contact your system administrator to correct the problem on the server.

FMV1815E: Either the window has elapsed or the schedule has been deleted

Explanation

Scheduled event was no longer valid on the server.

System action

The client scheduler queries the server to obtain the next scheduled event.

User response

If the problem continues, see your system administrator to correct the problem on the server.

FMV1816E: Invalid scheduling mode

Explanation

The mode entered for the scheduled event was not correct.

System action

Event does not occur.

User response

Enter the correct scheduling mode and retry the operation.

FMV1817E: Schedule function can only be run by a IBM Storage Protect authorized user.

Explanation

An attempt to use the schedule function failed because of improper authority.

System action

Processing stopped.

User response

See the IBM Storage Protect authorized user for schedule function information.

FMV1818E: The SCHEDULE command is not allowed in LOOP (interactive) mode.

Explanation

The SCHEDULE command may only be given on the initial command line. Enter the HELP SCHED command for a complete description of the SCHEDULE command.

System action

The client does not execute any scheduled events.

User response

Start the scheduler from the OS prompt. For example: dsmc schedule Windows clients can also use the client scheduler service. Read the client manual for information on how to use the SCHEDULE command and how to use the IBM Storage Protect client scheduler features.

FMV1819E: The IBM Storage Protect server was unable to register the address for this node.

Explanation

This is a rare situation, and is usually an indication of a problem with the IBM Storage Protect server.

System action

Processing stopped.

User response

Check the error log for any other messages that might indicate a reason for the failure. Ask your IBM Storage Protect server administrator to check the IBM Storage Protect server activity log for any messages that might indicate a problem on the server. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1820E: Command line options must be preceded by a '-'

Explanation

An option was specified without a '-' delimiter.

System action

Processing stopped.

User response

Enter the command again with a dash preceding each option.

**FMV1821E: Unable to start POSTSCHEDULECMD/ PRESCHEDULECMD
'command'****Explanation**

The requested action required a new process to be created. Either an option or a schedule “action” that requested an operating system command to be executed was entered.

System action

Request is ignored.

User response

Remove the request from the options file or the schedule defined on the server.

**FMV1822E: Too many objects were selected for restore. Please select less
than *max_objects* objects****Explanation**

The restore cannot be performed, because too many objects were selected.

System action

The restore is not performed.

User response

Retry the operation after reducing the number of objects selected.

**FMV1823E: The TESTFLAGS or TRACEFLAGS option specifies unknown
flag name '*keyword*' or the value supplied is invalid for the named
keyword.****Explanation**

Either the testflag or traceflag name is incorrectly spelled, or the value supplied for that flag is not valid.

System action

If the TESTFLAGS or TRACEFLAGS option was specified in the client options file or on the command line during client initialization, the the client program does not start. If the option was specified from the command line client while running in LOOP (interactive) mode, then the operation does not run.

User response

Correct the TESTFLAGS or TRACEFLAGS flag name or correct the value specified for the TESTFLAG keyword shown in the message. These options are typically used at the direction of IBM Storage Protect technical support or as specified in the IBM Storage Protect Problem Determination Guide. If you are not sure which flag names to use, review the IBM Storage Protect Problem Determination Guide for additional information or contact IBM Storage Protect technical support for further assistance.

FMV1824E: Invalid trace file name (name too long).

Explanation

A TRACEFILE option in the preferences files used a file name that is too long.

System action

Client program did not initialize.

User response

Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMV1827W: Directories cannot be selected with the table of contents currently loaded on the server.

Explanation

The table of contents that is currently loaded on the server for this volume does not contain objects corresponding to the one and only point-in-time backup. It contains an incomplete point in time or multiple points in time.

System action

The directory is not selected for restore.

User response

To be able to select an entire directory for restore, select "Use Latest" or "Use Point in Time" from the Point in Time dialog.

FMV1828E: Screen size is too small for using the PICK option.

Explanation

You cannot use the PICK option on a workstation that has a screen smaller than 20 characters across and 10 lines down.

System action

IBM Storage Protect did not complete the operation.

User response

Retry the operation using a workstation that has a screen with the minimum size, or do not use the PICK option.

FMV1831E: Password expired. The administrator for this system must run IBM Storage Protect to update the password.

Explanation

The password expired.

System action

IBM Storage Protect ends.

User response

The administrator for this system must update the password.

FMV1832W: The option '*option*' is no longer supported and will be ignored by IBM Storage Protect client in this release.

Explanation

The specified option is in the process of being made obsolete and will be ignored by the client in this release. This option will be removed in the next release and will no longer be valid.

System action

Processing continues.

User response

Remove the option from the option file. Also check the documentation to see if this option has been replaced by a newer option.

FMV1834S: Unable to write to '*file-name*' for storing password

Explanation

IBM Storage Protect cannot write to the specified *file-name*.

System action

Processing continues.

User response

Check access permissions and disk space. If unsuccessful, see your system administrator.

FMV1835E: PASSWORDACCESS is GENERATE, but password needed for server '*server-name*'. Either the password is not stored locally, or it was changed at the server.

Explanation

Either the password is not stored locally, or it was changed at the server.

System action

IBM Storage Protect prompts you for the password if IBM Storage Protect is running in the foreground.

User response

If IBM Storage Protect was running as a background process, issue any IBM Storage Protect command from the foreground. Enter the password in answer to the prompt. Then try your background IBM Storage Protect command again.

FMV1836I: Unable to process Processor Value Unit hardware scan info file '*file name*', *errno*, *cause*.

Explanation

The internal-use data file was not readable.

System action

Processor Value Unit information is not sent to the IBM Storage Protect server. Processing continues.

User response

No response is necessary. This does not affect regular processing. Correct any file access permission issues and try the command again. If the file exists, delete the file and try the command again.

FMV1837S: File space *file_space_name* is ignored. Processing continues.

Explanation

The specified file space in the system options file is invalid.

System action

The process attempts to continue the current operation.

User response

Check the file space in the system options file and use a valid file space. Retry the operation.

FMV1838E: An error occurred while opening user-specified options file '*file_space_name*'.

Explanation

The specified options file could not be located or opened.

System action

The process attempts to open the default options file.

User response

Ensure that the specified options file exists and is valid.

FMV1839E: Cannot read password.

Explanation

An error occurred in setting up the input file (for example, the terminal) to be read.

System action

Processing stopped.

User response

Check the attributes of the terminal.

FMV1853E: Server could not load the Table of Contents. Status: *status*

Explanation

A failure occurred when the server attempted to load a file-level Table of contents for an NDMP volume. No file-level queries can be performed against the volume until the problem is solved.

System action

The table of contents is not loaded.

User response

Check the server Activity Log to determine the cause of failure. Retry the operation after correcting the problem.

FMV1862W: No table of contents information is available on the server for this volume.

Explanation

No objects for the selected volume exist on the server that were backed up with table of contents information. Consequently no file-level queries can be performed against the volume.

System action

none

User response

If file-level information is desired, use TOC option during backup.

FMV1865E: Session rejected: Named Pipes connection failure.

Explanation

An attempt to connect to the server using Named Pipes communications failed. This might have occurred if an incorrect NAMEDPIPENAME was specified in the options files or if your system administrator canceled a backup operation.

System action

Processing stopped.

User response

Retry the operation, or wait until the server comes back up and retry the operation. Ensure that the value specified on the NAMEDPIPENAME option is the same as the one used by the server. If the problem continues, contact your system administrator for further help.

FMV1867E: The server generated a CRC for verb type *CRC verb* which does not match the *received verb* verb received.

Explanation

A cyclic redundancy check (CRC) failed between IBM Storage Protect client and server communication.

System action

The current object is skipped. Processing continues with the next object.

User response

This is an unusual condition, and could indicate a communications problem between the IBM Storage Protect client and server. Try the operation again. If the problem persists, contact IBM Storage Protect for further assistance.

FMV1871W: The server CRC version is *server CRC version* which does not match the client version *client CRC version*.

Explanation

This is a rare situation. The server and client are using different versions of cyclic redundancy check (CRC) algorithms.

System action

Processing continues without CRC checking.

User response

Clients can be no more than one version downlevel from the IBM Storage Protect server. Make sure the client and server are at compatible levels. The command line client displays both client and server versions when the client starts and connects to the server. The QUERY SESSION command will also display the server version. From the GUI, use the "Help/About" menu item to identify the client version, and the "File/Connection Information" menu item to identify the server version. If the client and server versions are incompatible, then the IBM Storage Protect server administrator can turn off CRC checking for your node.

FMV1873E: An unknown error occurred while processing system object '*sys-obj-name*': utility function '*func-name*' failed with error *error*

Explanation

An unknown error occurred while processing a system object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action

IBM Storage Protect ended the current operation.

User response

Contact your system administrator for more information.

FMV1877E: The parsed string is too long for IBM Storage Protect to process and has been truncated to prevent a buffer overflow.

Explanation

This is a rare condition. A very long string would have to be entered by the user in a command line, dsm.opt file, or filelist. This string exceeds the maximum input string size of 1024 bytes.

System action

IBM Storage Protect truncated the string to the maximum possible length of 1024, then continued with the operation. The operation may fail later due to this truncation.

User response

Check the client error log for other messages that might have been logged after this message was written, and take any corrective action suggested by those messages. If the problem persists, contact IBM Storage Protect support for further assistance.

FMV1878E: An unknown error occurred while processing system object '*sys-obj-name*': Service '*service-name*' and its dependent services could not be stopped.

Explanation

An unknown error occurred while processing a system object. The service listed in the message and all of its dependent services could not be stopped. Processing cannot complete until the service is stopped.

System action

IBM Storage Protect ended the current operation.

User response

Manually stop the service and retry the operation.

FMV1882E: Unable to stop service '*service-name*'; error *error*

Explanation

The service could not be stopped by the program.

System action

IBM Storage Protect ended the current operation.

User response

Manually stop the service and retry the operation.

FMV1891W: SUBDIR is not a valid option when using FILELIST, SUBDIR will be ignored.

Explanation

When Specifying FILELIST each entry is a single object and so SUBDIR will not apply.

System action

The option SUBDIR is ignored.

User response

You may have either a -FILELIST or SUBDIR on this command, but not both.

FMV1892W: Expire command is not allowed on the IBM Storage Protect journaled filesystem '*filesystem*'.

Explanation

You cannot expire files from the server on a IBM Storage Protect journaled filesystem.

System action

The expire command will not work on this filesystem.

User response

If you want to expire this filesystem remove it from the local filesystem.

FMV1895I: Highest macro return code was *return code value*.

Explanation

This message is issued after all commands in a client macro have completed. The return code represents the highest return code that was issued during processing of the macro. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully
- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

System action

None.

User response

For return codes other than 0, the user may wish to verify the results of the client operation(s) and take diagnostic and repair actions, as necessary.

FMV1898I: *** Processed *count* files *******

Explanation

IBM Storage Protect has processed the specified number of files.

System action

Processing continues.

User response

None.

FMV1899I: *** Examined *count* files *********Explanation**

IBM Storage Protect has examined the specified number of files.

System action

Processing continues.

User response

None.

FMV1900I: Return code is *return code value*.**Explanation**

The return code has been issued for the preceding client command. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully
- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

The return code indicates the highest severity message that was issued during execution of the client command. For a scheduled event, the event will be considered successful if the return code is 0, 4, or 8. The event will be considered to have failed if the return code is 12.

System action

None.

User response

For return codes other than 0, the user may wish to verify the results of the client operation and take diagnostic and repair actions, as necessary.

FMV1901I: Highest return code was *return code value*.**Explanation**

This message indicates the highest return code of all the client commands that were executed. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully
- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

System action

None.

User response

For return codes other than 0, the user may wish to verify the results of the client operation(s) and take diagnostic and repair actions, as necessary.

FMV1902E: The PRESCHEDULECMD command failed. The scheduled event will not be executed.

Explanation

The command specified by the PRESCHEDULECMD option must complete successfully in order to execute the scheduled event. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the scheduled event is not executed.

System action

The client does not execute the scheduled event, and the result code of the scheduled event will be 12.

User response

Identify and repair the problem that caused the command to fail. If it is not necessary for the command to complete before starting the scheduled event, then consider using the PRENSCHEDULECMD option, which does not require that the command complete successfully. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1903W: The POSTSCHEDULECMD command failed.

Explanation

If the command specified by the POSTSCHEDULECMD option completed with a non-zero return code, then the scheduled event is considered to have completed successfully, but with a warning-level result. Note that the result of the POSTSCHEDULECMD command will not supercede a higher result from the scheduled client command. For example, if the scheduled client command completed with a return code of 12, the scheduled event will be considered to have completed with a return code of 12, regardless of the outcome of the POSTSCHEDULECMD command.

System action

At a minimum, the result code of the scheduled event is 8.

User response

Identify and repair the problem that caused the command to fail. If it is not necessary for the command to complete before posting the result of the scheduled event, then consider using the POSTNSCHEDULECMD option. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1904E: The archive description may not contain any wildcard characters like '?' or '*'.

Explanation

Descriptions for archive files must not contain wildcard characters.

System action

Processing stopped.

User response

Enter an archive description that does not contain wildcard characters.

FMV1906I: Destination must be specified for this operation when using FROMNODE.

Explanation

You must specify a destination with a Restore/Retrieve command when using FROMNODE processing.

System action

Processing stops.

User response

Retry the Restore/Retrieve command with a destination specified.

For example, with the Windows backup-archive client:

```
restore -fromnode=cougar \\cougar\d$\proj\* d:\proj\
```

Or, with the UNIX and Linux backup-archive clients:

```
restore -fromn=node1 -fromo=ann "/home/proj/*" /home/gillis/
```

FMV1907E: An error occurred while trying to perform an object merge operation on the server.

Explanation

For NetWare clients: The IBM Storage Protect server is unable to perform a NetWare long name conversion. For Unix or Windows image backup: The group used to store associated image components could not be closed.

System action

The operation ends.

User response

For NetWare: It is possible that a more current level of the IBM Storage Protect server can perform the conversion. Contact your IBM Storage Protect server administrator for assistance. For Unix or Windows: This error indicates an authorization problem. Contact your IBM Storage Protect server administrator for assistance. If the problem still cannot be resolved, contact IBM Storage Protect technical support for further assistance.

FMV1908I: The scheduled command completed successfully.

Explanation

The scheduled command completed with return code of zero, which is interpreted as success.

System action

The scheduled event is successful. The result code for the event is 0.

User response

None.

FMV1909E: The scheduled command failed.

Explanation

The scheduled command completed with a non-zero return code, which is interpreted as failure.

System action

The scheduled event is failed. The result code for the event is 12.

User response

Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1912E: An invalid registry hive was specified.

Explanation

The specified registry hive is invalid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1913E: An invalid registry subkey was specified.

Explanation

The specified registry subkey is invalid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1914E: The specified subkey isn't valid for the specified hive.

Explanation

The specified registry subkey is invalid for the specified registry hive.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1915E: Too many arguments specified for the BACKUP REGISTRY command.

Explanation

Too many arguments were specified for the BACKUP REGISTRY command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1916E: Too many arguments specified for the RESTORE REGISTRY command.

Explanation

Too many arguments were specified for the RESTORE REGISTRY command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1917E: Too few arguments specified for the BACKUP REGISTRY command.

Explanation

Too few arguments were specified for the BACKUP REGISTRY command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1918E: Too few arguments specified for the RESTORE REGISTRY command.

Explanation

Too few arguments were specified for the RESTORE REGISTRY command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1919E: The specified eventlog is not valid.**Explanation**

The specified eventlog is not valid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1920E: Too many arguments specified for the BACKUP EVENTLOG command.**Explanation**

Too many arguments were specified for the BACKUP EVENTLOG command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1921E: Too many arguments specified for the RESTORE EVENTLOG command.**Explanation**

Too many arguments were specified for the RESTORE EVENTLOG command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1922E: Too few arguments specified for the BACKUP EVENTLOG command.**Explanation**

Too few arguments were specified for the BACKUP EVENTLOG command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1923E: Too few arguments specified for the RESTORE EVENTLOG command.**Explanation**

Too few arguments were specified for the RESTORE EVENTLOG command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1924E: The specified system object is not valid.**Explanation**

The specified system object is not valid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1925E: The specified system object type is not valid.**Explanation**

The specified system object type is not valid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1926E: The specified system object type is only valid on Windows NT.**Explanation**

The specified system object type is only valid on Windows NT.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1928E: Server-initiated sessions are not available in the LAN-free mode.**Explanation**

Conflicting options SESSIONINIT=serveronly and ENABLELANFREE=yes were specified. This combination is not allowed.

System action

Processing stops.

User response

Use client-initiated sessions or disable LAN-free.

FMV1929E: An error occurred saving the registry key.**Explanation**

The active registry key cannot be copied to the ADSM.SYS staging directory.

System action

The registry backup operation stops.

User response

Check the space available on the Windows boot partition to ensure there is room to contain a copy of the Windows registry. This might require several megabytes of free space. Also check the Windows permissions on the ADSM.SYS staging directory and ensure that the Windows user which you are using to run IBM Storage Protect has full access to that directory and its contents.

FMV1930W: IBM Storage Protect Express client view not supported with a IBM Storage Protect Enterprise server. CLIENTVIEW option ignored.**Explanation**

The IBM Storage Protect Express client view is only supported when going to a IBM Storage Protect Express server. When a IBM Storage Protect Express client connects to a IBM Storage Protect Enterprise server, the CLIENTVIEW option is ignored, and the IBM Storage Protect Standard client view is displayed instead.

System action

The CLIENTVIEW option is ignored and the IBM Storage Protect Enterprise client view is displayed.

User response

If you intend to use the IBM Storage Protect Enterprise server, then update your CLIENTVIEW option to a value of STANDARD. Otherwise, update your TCPSERVERADDRESS option to point to your IBM Storage Protect Express server.

FMV1931E: An error saving one or more eventlogs.

Explanation

An error occurred saving one or more eventlogs.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1932E: An error occurred replacing one or more registry keys.

Explanation

The registry key or keys being replaced are exclusively held by another process. The registry keys were previously restored but the system was not restarted.

System action

processing stops.

User response

This error occurs because the registry key or keys being replaced are exclusively held by another process. This can happen if the registry keys were previously restored but the system was not rebooted. Reboot the system and attempt the restore operation again.

FMV1933E: Error accessing file or device '*name*'.

Explanation

An error has occurred while accessing the file or device.

System action

Backup set operation is not completed.

User response

Verify that the file or device exists and is accessible.

FMV1934E: Backup set '*name*' not found.

Explanation

The backup set name was not found on the server.

System action

The backup set operation is not processed.

User response

Verify that the backup set name is correct.

FMV1935E: Too many arguments specified for the BACKUP NTDS command.**Explanation**

Too many arguments were specified for the BACKUP NTDS command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1936E: Not enough arguments specified for the BACKUP NTDS command.**Explanation**

Not enough arguments were specified for the BACKUP NTDS command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1937E: No NTDS server name specified for the BACKUP NTDS command.**Explanation**

No NTDS server name was specified for the BACKUP NTDS command.

System action

Processing stopped.

User response

Specify NTDS server name at the command and retry the operation.

FMV1938E: NT Active Directory is not supported in this OS level.

Explanation

NT Active Directory is not supported in this OS level.

System action

Processing stopped.

User response

Install Active Directory before performing backup operation.

FMV1939E: File Replication Service backup failed.

Explanation

IBM Storage Protect encountered an error while backing up files under control of the Windows 2000 File Replication Service

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the backup operation.

FMV1940E: File Replication Service restore failed.

Explanation

IBM Storage Protect encountered an error while restoring files under control of the Windows 2000 File Replication Service

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the restore operation.

FMV1941E: System Volume backup failed.

Explanation

IBM Storage Protect encountered an error while backing up files of the Windows 2000 System Volume

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the backup operation

FMV1942E: System Volume restore failed.**Explanation**

IBM Storage Protect encountered an error while restoring files under control of the Windows 2000 File Replication Service

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the restore operation.

FMV1943E: The operation is not supported: Downlevel server version.**Explanation**

The operation cannot be performed because server version is downlevel.

System action

Processing stopped.

User response

Use correct server version.

FMV1944E: Error accessing file or device.**Explanation**

An error has occurred while accessing the file or device.

System action

Backup set operation is not completed.

User response

Verify that the file or device exists and is accessible.

FMV1945E: The long namespace has been removed from the local file space. If you wish to proceed with the backup/archive operation, rename your file space on the server.

Explanation

The process has detected that the server namespace is NTW:LONG, but the local volume does not have long name support. If you would like to back up the volume using the short names, rename the file space on the server. If you would like to back up using long names, add the long namespace support back to the volume in question.

System action

Processing stopped.

User response

Add the long namespace support to the volume or rename(remove) the corresponding server file space.

FMV1946W: File exists, skipping

Explanation

The client tried to restore or retrieve the specified file, but the file already existed in the target restore location and the user chose not to replace the existing file.

System action

The file is skipped, a message is logged in dsmerror.log, and restore or retrieve processing continues with the next object.

User response

The file was skipped because either REPLACE NO was in effect, causing all existing files and directories to be skipped, or REPLACE PROMPT was in effect, and when prompted, the user chose to skip this file or all existing directories and files. No additional action is necessary if the decision to skip the file was deliberate. Otherwise the operation can be retried using either REPLACE ALL (automatically replace existing directories and files) or REPLACE PROMPT (prompt the user whether to replace the file).

FMV1947W: The following directory exists and is skipped: *file-space_name directory_path directory_name*

Explanation

The client tried to restore or retrieve the specified directory. The directory exists in the target restore location and the user chose not to replace the existing directory.

The directory can be skipped because the option REPLACE=NO is set, which causes all existing files and directories to be skipped. The directory can be skipped because option REPLACE=PROMPT is set, and the user chooses to skip this directory when prompted.

System action

The directory is skipped, a message is logged in the dsmerror.log log file, and restore or retrieve processing continues with the next object.

User response

No additional action is necessary.

To replace the files, try the operation again and set option REPLACE=ALL. You can set REPLACE=PROMPT and when prompted, choose to replace the directory.

FMV1948E: The Microsoft volume shadow copy system components could not be queried.

Explanation

IBM Storage Protect encountered an error while querying the system writers under control of the Windows volume shadow copy service. The error log and Windows event log might contain additional information about this error.

System action

Processing stops.

User response

Try the operation again. If the error persists, review the error log and Windows event log for information related to this error. You might need to restart the volume shadow copy service, then try the operation again. It might be necessary to reboot the machine to clear the volume shadow copy error state.

FMV1949E: Microsoft volume shadow copy snapshot initialization failed.

Explanation

IBM Storage Protect encountered an error while initializing the Microsoft Volume Shadow Copy Service for backup or restore. The error log and Windows event log can contain additional information about this error.

System action

processing stops.

User response

Try the operation again. If the error persists, review the error log and Windows event log for information related to this error. Use the Windows command '**vssadmin list writers**' to determine the status of the Volume Shadow Copy service. You can reboot the machine to clear the volume shadow copy error state. If the system is a Domain Controller and the Active Directory service is stopped, restarting the Active Directory service will resolve the issue.

FMV1950E: Backup using Microsoft volume shadow copy failed.

Explanation

IBM Storage Protect encountered an error while performing a backup operation using the Microsoft volume shadow copy service. The error log and Windows event log might contain additional information about this error.

System action

processing stops.

User response

Review the error log and Windows event log for information related to this error. Restart any failing system service indicated in the Windows event log. Restart the volume shadow copy Service. You can use the Windows command `'vssadmin list writers'` to determine the status of the volume shadow copy service. It might be necessary to reboot the machine to clear the Volume Shadow Copy error state.

FMV1951E: Restore using Microsoft volume shadow copy failed.

Explanation

IBM Storage Protect encountered an error while restoring with the Microsoft Volume Shadow Copy Service.

System action

processing stops.

User response

Review the error log and Windows event log for information related to this error. Restart any failing system service indicated in the Windows event log. Restart the volume shadow copy Service. You can use the Windows command `'vssadmin list writers'` to determine the status of the volume shadow copy service. It might be necessary to reboot the machine to clear the Volume Shadow Copy error state.

FMV1952E: Invalid symbolic link destination '*file-name*' entered

Explanation

You entered a restore/retrieve destination *file-name* specification that is a symbolic link. To restore to symbolic link, make sure you set the followsymbolic option to yes. Also, check where this symbolic link points. You can restore/retrieve to a symbolic link that points to an existing object.

System action

Processing stopped.

User response

Enter a correct file specification.

FMV1954E: Backup processing of '*file-space name*' finished with failures.

Explanation

This message indicates that the file system backup has completed, but encountered errors during backup processing.

System action

Processing continues.

User response

Examine the client error log for additional messages related to errors in backing up the file system. Take any corrective action as suggested by the messages.

FMV1956E: Too few arguments specified for the BACKUP GROUP command.

Explanation

Too few arguments were specified for the BACKUP GROUP command.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1957E: Showmembers and inactive are mutually exclusive parameters on a query.

Explanation

Showmembers and inactive are mutually exclusive parameters on a query.

System action

Processing terminates.

User response

Specify one of the mutually exclusive parameters on the query

FMV1958W: No base group found, attempting a full backup.

Explanation

A differential backup requires a previous full backup to have been performed.

System action

Processing continues, and a full backup is attempted.

User response

None. Perform a full backup before attempting a differential backup

FMV1959I: Removing previous incomplete group '*name*' Id:*hi-lo*

Explanation

A previous group backup failed without cleaning up the temporary groups correctly.

System action

The previous incomplete groups are removed and processing continues.

User response

None.

FMV1971E: The remote client agent (dsmagent) could not be started.

Explanation

The remote client agent cannot be started. This error message is usually preceded or followed by other messages.

System action

Processing is stopped.

User response

Check the error log for any other messages that might indicate a reason for the failure. Verify that the web client is installed correctly. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1972E: The connection to the remote client agent (dsmagent) failed. Either the port number could not be read, or the port number is invalid.

Explanation

An error occurred when trying to read the port number. A connection to the remote client agent cannot be made.

System action

Processing stopped.

User response

Check the error log for any other messages that might indicate a reason for the failure. Verify that the web client is installed correctly. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV1973I: VSS writer for system object '*name*' does not exist. Restore skipped.

Explanation

Microsoft Volume Shadow Copy Service does not detect a writer for this system component. Either the component is not installed or is not running..

System action

Object skipped.

User response

Install or enable the affected system service and retry the operation.

FMV1974W: Error removing previous incomplete group Id:*hi-lo*

Explanation

A previous group backup failed without cleaning up the temporary groups correctly, and the error still can not be cleaned up.

System action

The previous incomplete groups remain and processing continues.

User response

None.

FMV1975W: IBM Storage Protect server error *reason* occurred closing and renaming the group

Explanation

An error was encountered closing and renaming the temporary group.

System action

The backup is unsuccessful.

User response

Ensure that the user has the proper authority to update the group and try the operation again.

FMV1976E: The specified system service is not valid.

Explanation

The specified system service is not valid.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV1978E: The IBM Storage Protect server is downlevel and does not support the requested function. See error log for version information.

Explanation

The function being used requires a more current IBM Storage Protect Server.

System action

The operation fails.

User response

Upgrade your IBM Storage Protect Server to a level that supports this function. See error log for version information.

FMV1979E: The IBM Storage Protect Storage Agent is downlevel and does not support the requested function. See error log for version information.

Explanation

The function being used requires a more current IBM Storage Protect Storage Agent.

System action

The operation fails.

User response

Upgrade your IBM Storage Protect Storage Agent to a level that supports this function. See error log for version information.

FMV1980E: The IBM Storage Protect Server and IBM Storage Protect Storage agent are downlevel and do not support the requested function. See error log for version information.

Explanation

The function being used requires a more current IBM Storage Protect Server and IBM Storage Protect Storage agent

System action

The operation fails.

User response

Upgrade your IBM Storage Protect Server and IBM Storage Protect Storage agent to a level that supports this function. See error log for version information.

FMV1981E: Server :Version *ver*, Release *rel*, Level *lev.subl* Storage Agent:Version *SAver*, Release *SAre1*, Level *SAlev.SAsubl*

Explanation

This message supplies extra detail to downlevel messages.

System action

The operation fails.

User response

This message supplies extra detail to downlevel messages.

FMV1986E: Initialization functions cannot open the trace file specified.

Explanation

The file could not be opened during initialization. The specified path might be incorrect. It is also possible that the current user does not have permission to write to the tracefile in the directory specified. It is also possible that no space is available at the tracefile location.

System action

Processing stops.

User response

Make sure the tracefile option points to a valid path and that the user has proper permissions to write to the specified file.

FMV1987E: A destination file specification is not allowed with this command.

Explanation

Of all the system object restore commands only RESTORE ASR allows the entry of a destination file specification.

System action

Processing stopped.

User response

Re-issue the command without a destination file specification.

FMV1989E: Initialization functions cannot open the error log file specified.

Explanation

The error log file could not be opened during initialization. The specified path may be incorrect. It is also possible that the current user does not have permission to write to the logfile in the directory specified. It is also possible that no space is available at the given logfile location.

System action

Processing terminates.

User response

Make sure the logfile option points to a valid path and that the user has proper permissions to write to the file specified.

FMV1990W: The '*filesystem name*' volume mount point can not be accessed. The IBM Storage Protect return code is '*rc*'.

Explanation

The client is unable to access volume mount point. The common reasons for this are that the account under which the client is running does not have access to the volume mount point, or the volume is mounted onto a cluster volume which is currently not available.

System action

The inaccessible mount point is skipped and processing continues. with the next mount point or volume.

User response

Check the error log for additional messages that might yield additional information about the problem that prevents access to the volume mount point. Ensure that the IBM Storage Protect client is running under an account which has access to the volume mount point. Ensure that the mount point is not accessing a clustered volume. Please refer to Microsoft KB Article 280297 for more information about how to configure volume mount points on a clustered server.

FMV1991E: An error occurred processing registry key '*key-name*', data value '*value-name*'. See the client error log for additional information about this error.

Explanation

An unexpected error occurred when the client tried to read or update the Windows registry. Additional information regarding the error is usually placed in the error log.

System action

The operation might not execute correctly, depending on the error.

User response

Check the client error log for any other messages that might have been logged when this message was written, and take any corrective action suggested by those messages. If the problem persists, contact IBM Storage Protect support for further assistance.

FMV1995W: Objects of different types cannot be deleted at the same time.

Explanation

Deleting objects of different types is not allowed. For example, deleting Backup Sets and regular file objects at the same time is not possible.

System action

No processing takes place.

User response

Select objects of the same type to perform delete operation.

FMV1996W: The volume mount points enumeration on '*filesystem name*' volume failed. Windows system error code: *error*; reason: '*error-reason*'.

Explanation

The client was unable to scan the specified volume for volume mount points. The error information captured indicates the reason for the failure. A common reason is that the account under which the client is running does not have access to the volume.

System action

The processing continues with the next volume.

User response

Ensure that the client is running under an account which has access to the volume and volume mount points. Correct the condition causing the error and try the operation again. If the problem persists, contact your system administrator or IBM Storage Protect administrator for further help.

FMV1997W: No files have been previously backed up for the VSS component '*component-name*'.

Explanation

You tried to restore the Microsoft Volume Shadow Copy (VSS) System State component which does not contain file data. This is not necessarily a problem.

System action

Processing continues.

User response

Check the error log for any other messages that occurred during backup. The logs can indicate a reason for the failure.

FMV1998W: Transaction byte limit '*name*' is not supported by the server. Value reset to *limit*

Explanation

The TXNBYTELIMIT is larger than the server supports. The value will be reset to a supported limit.

System action

TXNBYTELIMIT is reset, and processing continues.

User response

Set the option to a value supported by the server.

FMV1999E: *type of the operation* processing of '*filespace-name*' stopped.

Explanation

The client has encountered a condition where it can not continue processing the specified file space. The IBM Storage Protect client error log or schedule log should contain additional messages related to this error.

System action

Processing stops.

User response

Check the IBM Storage Protect client error log and schedule log for any additional messages related to this error. Take any corrective action that might be suggested by the related messages, then try the operation again. If the problem persists, contact your IBM Storage Protect administrator for further assistance.

FMV2025W: Object '*object-name*' has been removed from DB (Fix IT19964).

Explanation

Fix of the APAR IT19964

System action

None

User response

Nothing

FMV2026W: Bad sectors were detected on the volume '*volname*'.

Explanation

Bad sectors are skipped during image backup/restore operations.

System action

Processing continues.

User response

Make sure the volume data is not corrupt by using system tools like chkdsk (Windows) or fsck (Unix).

FMV2027E: GSKit function *func-name* failed with *error-code*: During the SSL/TLS handshake, the client could not agree on a supported SSL/TLS protocol version to use with server. *session*

Explanation

A GSKit function has failed with the GSK_ERROR_BAD_MESSAGE.

System action

Processing stopped

User response

Make sure you have configured the key database for SSL communication as described in the documentation. Possible issues could be during the SSL/TLS handshake, the client could not agree on a supported SSL/TLS protocol version to use with server. If the problem persists, contact IBM Storage Protect customer support.

FMV2032I: The client VM restore is skipping the unsupported Independent disk : *vmdk*

Explanation

The VMware vStorage APIs do not support snapshotting Independent disks, no backups were created.

System action

Processing continues.

User response

None.

FMV2033W: '*symbolic link name*': is a symbolic link to a file or directory in a different file system.

Explanation

The dsmls file specs operand or the used file list contains a symbolic link to a file or directory in another file system. Processing may lead to incorrect status of the object the symbolic link refers to.

System action

Status of objects are displayed.

User response

To display the correct status of objects use dsmls with the full qualifying path to the objects.

FMV2036W: Pruning functions cannot open one of the IBM Storage Protect prune files: *log-name*. *errno* = *errno-value*,

Explanation

The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another IBM Storage Protect process started by different user id is performing pruning at the same time.

System action

Pruning stops, processing continues.

User response

Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMV2037W: Schedule log pruning failed.

Explanation

The schedule log pruning function completed with errors.

System action

Processing continues.

User response

Check error log for possible reasons of failure.

FMV2038W: Invalid option '*option-name*' received from the IBM Storage Protect server client options set.

Explanation

The client received an invalid option from the IBM Storage Protect server's client option set. Although most syntax checking for client option set options is done by the server, there are still errors that can only be detected by the client. These errors include:

- Option value is not correct.
- Options that have been retired by newer versions of the IBM Storage Protect client.
- Missing brackets or directory delimiters.
- Include and exclude patterns that are too complex.

System action

The option is ignored by the IBM Storage Protect client.

User response

Contact the IBM Storage Protect server administrator to determine if the option can be removed from the client option set.

FMV2039E: Invalid destination file specification '*file-name*' entered

Explanation

The destination file specification must end with directory delimiter when performing a file list restore, or when the restore specification is for more than one file, or when the option SUBDIR YES is in effect.

System action

Processing stopped.

User response

Specify a destination that ends with directory delimiter.

FMV2040E: While attempting to communicate with the remote client, a version check reveals that the versions do not match. The version is *remoteversion* but the expected version is *localversion*.

Explanation

During initialization between the local client and the remote client, version checking reveals that the versions do not match. This is usually the result of an upgrade of one client module without upgrading other client modules that are part of product solution.

System action

The calling procedure returns and control is passed back the user.

User response

Check the versions of all IBM Storage Protect Client products that communicate with each other and ensure that they are all at the same version, release, and level.

FMV2041E: Snapshot Differencing support is not available on the specified NetApp filer.

Explanation

Incremental by snapshot difference backup cannot be performed because required support on the specified NetApp filer is not available. .

System action

Processing terminates.

User response

None.

FMV2042W: '*symbolic link*':is a symbolic link to a file or directory in another filesystem. ACLs or extended attributes might not be backed up.

Explanation

The backup or archive operand contains a symbolic link to a file or directory in another file system. Processing may lead to loss of ACLs or other extended attributes because they might not be processed.

System action

The file data is backed up. Processing continues with the next object.

User response

If you need to ensure that ACLs and other extended attributes are backed up successfully, do not use symbolic links to back up files on other file systems of different file system types. Instead use IBM Storage Protect to process the other file system directly.

FMV2043I: The virtual machine template '*name*' has already been backed up.

Explanation

Virtual machine templates are skipped if no change has occurred since the last backup.

System action

Processing skips this virtual machine template.

User response

To back up this virtual machine template, run an incremental forever full backup operation.

FMV2044E: The template virtual machine '*name*' cannot be restored when the IBM Storage Protect data mover node on the vStorage Backup Server is connected directly to an ESX/ESXi host.

Explanation

The VMware vStorage API do not support template virtual machine operations when connected directly to an ESX/ESXi host.

System action

Processing stops for this template virtual machine

User response

Virtual machine template operations are supported when the IBM Storage Protect data mover node connects directly to a ESX/ESXi host. Modify the VMCHOST to connect the IBM Storage Protect data mover to a vCenter Server.

**FMV2045E: The VMENABLETEMPLATEBACKUPS option is not specified.
The virtual machine template '*name*' can not be backed up.**

Explanation

The VMENABLETEMPLATEBACKUPS template option must specify YES in order for a virtual machine template to be included in a backup operation. The default value is NO.

System action

Processing stops for this template virtual machine

User response

Use the option -vmenabletemplatebackups=yes and run the operation again.

FMV2046S: Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation

There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action

Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response

If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMV2047E: An unexpected error was encountered processing a system state/services request. IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect explanation : *TSM-msg* IBM Storage Protect file : *file-name* (*line-number*)

Explanation

None.

System action

Processing the system state stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV2048W: Named stream of object '*object-name path-name file-name*' is corrupt.

Explanation

One or more of the file's named streams are corrupt.

System action

The named stream is not restored/retrieved.

User response

The backup copy of the named stream is damaged. The file is restored to as great an extent as possible, but the file should be examined to verify that it is usable.

FMV2049W: Named stream of object '*object-name*' may be corrupt.

Explanation

One or more of the file's named streams may be corrupt.

System action

The named stream is restored/retrieved to as great an extent as possible.

User response

The backup copy of the named stream may be damaged. The file is restored to as great an extent as possible, but the file should be examined to verify that it is usable.

FMV2050E: IBM Storage Protect needs to prompt for the password but cannot prompt because the process is running in the background.

Explanation

If PASSWORDACCESS=PROMPT or if the password that is stored locally is incorrect, IBM Storage Protect attempts to prompt the user for the password. The attempt to prompt the user fails because the process is running in the background. When a process is running in the background, prompting is not allowed.

System action

Processing stopped.

User response

If RUNASSERVICE=YES, do not set PASSWORDACCESS=PROMPT. Use PASSWORDACCESS=GENERATE.

FMV2051W: The local snapshot repository was not found on *location*.

Explanation

The specified directory for the local snapshot location does not exist.

System action

Processing continues.

User response

A new local snapshot repository will be build in the specified directory.

FMV2052E: Information about the disk subsystem is missing.

Explanation

The local snapshot repository could not be initialized due to missing information about the disk subsystem.

System action

Processing stops.

User response

The application ensures that the disk subsystem is initialized properly. Check for preceding error messages.

FMV2053E: A memory allocation error has occurred in file *filename*, line number *linenumber*.

Explanation

Enough memory was not available to continue processing.

System action

Processing ends.

User response

Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMV2054E: Operating system error *errno: messagetext*.

Explanation

The application encountered an unexpected message error during the execution of a system function. The respective operating system error and message text will be displayed.

System action

Processing stops.

User response

Check the specific error message.

FMV2055I: The local snapshot manager could not be locked.

Explanation

The local repository is locked by another application. This process will proceed when the other application unlock the local repository.

System action

Processing continues.

User response

None.

FMV2056I: Waiting maximal *timeout* seconds until the lock is released by the other application.

Explanation

While the local repository is locked by another application, the program will wait a specific period of time to proceed. For example, in the mySAP environment, the wait period is 1 hour.

System action

Processing continues.

User response

None.

FMV2057E: Local snapshot manager not initialized.**Explanation**

The local snapshot repository was used without previous initialization.

System action

Processing ends.

User response

The system normally ensures that the local repository is initialized. Check for preceding error messages.

FMV2058E: The data container with ID *dcID* could not be updated in the local repository.**Explanation**

During a FlashCopy backup the target set record in the local repository is updated with the correspondent properties. A failure occurred during that process.

System action

Processing ends.

User response

Check for preceding error messages like memory allocation error or other system error.

FMV2059E: Cannot find a target data container that match with the source data container.**Explanation**

During a snapshot type backup or hardware function, the process tries to find a target data container that match to the source data container to satisfy the operation. A matching target data container could not be found.

System action

Processing ends.

User response

See the rules for select one of multiple target data containers. For example, this message will be displayed if the user is trying to start a FlashCopy backup of type 'INCR' and all the target sets are being used for the FlashCopy type 'COPY'. Make sure also that the target volumes are available to the backup system and the syntax is correct for the following setup file parameters: 1.shark_target_volume2.shark_copy_service_code3.java_home_directory4.primary_copyservices_servername5.shark_username6.shark_password

FMV2060W: Cannot find a volume in the target data container *dcID* to match with the source *srcvol*.

Explanation

This warning message indicates that for the specific source not any target volume could be found in this target data container that matches for a FlashCopy operation. If multiple target data containers are being used, the processing will continue checking the volumes of the next target data container.

System action

Processing continues.

User response

None.

FMV2061W: The target data container with ID *dcid* was not found in the local repository.

Explanation

An inquire of the data container with the specified ID could not be satisfied because that target set does not exist in the local repository.

System action

Processing may continue.

User response

The application that is requesting the inquire will decide whether or not the error should end the program. Check for following messages.

FMV2062W: Could not find a target data container in the state *state* to fulfill the requested criteria.

Explanation

A data container in the specified state was not found in the local repository to satisfy specific criteria requested by the application.

System action

Processing may continue.

User response

Which criteria have been passed is application specific. Check for following messages. The application will decide whether or not that warning should end the program.

FMV2063W: The local snapshot repository already exists on the directory *location*.

Explanation

An application tried to create the local repository in a directory that already exists.

System action

Processing may continue.

User response

The application will decide whether or not that warning should end the program. Check for following messages.

FMV2064I: The local snapshot repository will be created on the directory *location*.

Explanation

The local snapshot repository containing information about the state of the data containers is being created.

System action

Processing continues.

User response

None.

FMV2065I: The local snapshot repository could not be created on the directory *location*.

Explanation

A failure occurred creating the local snapshot repository.

System action

Processing ends.

User response

Look for a operating system error message.

FMV2066E: Cannot read the .fct file *filename*.

Explanation

The .fct file containing the target data containers was not found or is not accessible.

System action

Processing ends.

User response

Check the name, the path and the right of the file.

FMV2067E: The exception CLsmException was thrown. Reason: *txt*.

Explanation

An unexpected error occurred processing a function of the local snapshot repository.

System action

Processing ends.

User response

Check the specific reason.

FMV2068E: No target LUNs were found for the data container *dcID* in the .fct file *filename*.

Explanation

The program will search in the .fct file for each specific data container a list of entries with the label <PREFIX>TARGET_VOLUME where the prefix depends on the hardware type. Either you have a wrong label for the target volumes of the specified data container or this data container in the .fct file does not have any target LUNs.

System action

Processing ends.

User response

This error can only occurred if the application does not have a GUI where the user provides the input of the target data containers and the format will automatically be checked. If so, please check the format of the .fct file.

FMV2069E: Cannot read the file *filename* of the local snapshot repository.

Explanation

The system keeps some information about the state of the data containers locally in a file. This file was not found or is not accessible.

System action

Processing ends.

User response

Check the name, the path and the right of the file.

FMV2070E: The repository state file *filename* is empty or has a wrong format.

Explanation

The system keeps some information about the state of the data containers locally in a file. This file was found but the expected format of the data is not correct.

System action

Processing ends.

User response

Normally the system ensures that the format of this file is correct. Check for preceding error.

FMV2071E: The data container *dcID* could not be inserted in the local snapshot repository.

Explanation

The system keeps some information about the state of the data containers locally in a file. Inserting an entry for a new data container occurred an error.

System action

Processing ends.

User response

This is an unexpected error. Check for preceding error. If not any other error can be seen, collect the logs and traces and contact the support.

FMV2072E: An unexpected error was encountered processing a IBM Storage Protect operation using a hardware or snapshot function. IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect file : *file-name (line-number)*

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV2073E: The file *filename* of the local snapshot repository could not be opened for writing.

Explanation

The system keeps some information about the state of the data containers in the local snapshot repository. Opening a file of this repository occurred an error.

System action

Processing ends.

User response

Check the rights permission of that file.

FMV2074E: Cannot open user input FlashCopy target file '*fct_file*'.

Explanation

The FlashCopy target file that the user provided cannot be read.

System action

The operation fails.

User response

Run the client configuration utility and provide a valid FlashCopy target user input file.

FMV2075E: There is no VTOC data available for the volume. The volume cannot be backed up.

Explanation

The volume disk label type is not VTOC. It is possible that your disk is formatted with an EFI label. The IBM Storage Protect client on Solaris currently supports only VTOC disk labels.

System action

The volume is not backed up.

User response

Do not attempt to backup volumes formatted with a non-VTOC disk label.

FMV2076E: *program-name*: Space Managment can not be added for file system '*filesystem*' The length of the file system name exceeds the maximum length of '*maxlength*' which can be stored in a DMAPI attribute.

Explanation

The DMAPI has a limitation in the size of data that can be stored in a DMAPI attribute. If the length of the file system name exceeds this limit the IBM Storage Protect client can not add space management to the file system.

System action

Space management cannot be added to file system.

User response

Please make sure that the length of the file system name does not exceed the DMAPI limit.

FMV2077E: *program-name*: Reconcile for file system '*filesystem*' can not be started for the selected mode in a non-scout environment. Please use Two Way Orphan Check Reconcile instead.

Explanation

The IBM Storage Protect client reconciliation program can not be started in orphan check or stub restore mode when the HSM system is configured to run without the scout daemon.

System action

Reconcile can not run in a non scout environment.

User response

If you have configured a non scout environment you need to use the Two Way Orphan Check Reconcile.

FMV2078E: System state backup is not allowed CLUSTERNODE is set to YES.

Explanation

When the CLUSTERNODE option is set to YES, the backup systemstate command is not valid.

System action

System state backup is stopped.

User response

If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the backup-archive client manual for further information about configuring the client to run in a cluster environment.

FMV2079E: Error processing '*filesystem namepath-namefile-name*': error scanning snapshot

Explanation

This message is issued when the IBM Storage Protect client is unable to read data from a snapshot used for the backup. If you are performing the Microsoft Volume Shadowcopy Service (VSS) snapshot backup one possible cause is that the operating system deleted a VSS snapshot because the shadow copy storage could not grow. If you are performing the snapshot difference incremental backup on normal NetApp/N-Series volumes one possible cause is that the base snapshot was accidentally removed from the NetApp file server.

System action

Backup processing for the file system stops.

User response

If you were performing VSS snapshot-based backup, examine the client error log and the Microsoft Windows system event log for any other messages that might help identify the problem. If there are no obvious reasons for the failure, try the operation again, the problem might be caused by temporary I/O conflicts between VSS and other system disk I/O activities. If you were performing snapshot difference incremental backup, contact your IBM Storage Protect administrator to verify that base snapshot was not accidentally deleted.

FMV2080W: The value '*option*' for the option '*option*' is no longer supported and will be ignored by IBM Storage Protect client in this release.

Explanation

The specified option value is in the process of being made obsolete and will be ignored by the client in this release. This option value will be removed in the next release and will no longer be valid.

System action

Processing continues.

User response

Update the option value or remove the option from the option file. Also check the documentation to see if this option has been replaced by a newer option.

FMV2083W: No vApps that match the input specification were found.

Explanation

A vApp that matches the specified input or the VAPP value in the DOMAIN.VCD option was not found.

System action

The operation is stopped

User response

Make sure the the VAPP value in the DOMAIN.VCD option is correct.

FMV2084I: Creating a new vApp

Explanation

The estore is attempting to create the destination vApp.

System action

This message is for informational purposes only.

User response

No action is required.

FMV2085E: The virtual machine is configured as a fault tolerant virtual machine. As a result, it cannot be backed up.

Explanation

vSphere does not allow for the snapshot or backup of fault tolerant virtual machines with vStorage API for Data Protection.

System action

The virtual machine is not backed up.

User response

To back up a fault tolerant virtual machine with vStorage API for Data Protection, first disable fault tolerant. Then, after the backup completes, enable fault tolerant.

FMV2088E: Session rejected: The client does not use unicode.

Explanation

The server cannot accept the client session because the client does not use unicode and the node already contains a unicode filesystem. The server records whether or not the client's data is unicode, and does not let the node change this attribute.

System action

Processing stops.

User response

Logon to the server from a client with a platform that uses unicode data. For example, the original platform that was used to create the existing filesystems for this node. Alternatively, if the client node needs to change to the platform that is currently being attempted, contact the server administrator to remove the existing filesystems that contain unicode data and try the node connection again.

FMV2089E: The string *string_text* can not be converted to Unicode.

Explanation

An object contains a multibyte sequence that is invalid for the current locale.

System action

The operation stops.

User response

Verify that the locale is appropriate for the objects that are processed.

FMV2090I: The virtual machine folder could not be found in this path: 'name'.

Explanation

The destination target does not have the original inventory path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action

Processing continues

User response

None

FMV2091I: The virtual machine resource could not be found in this path: 'name'.

Explanation

The destination target does not have the original resource path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action

Processing continues

User response

None

FMV2092I: The restore process will override the original inventory path that was saved with this virtual machine.

Explanation

Specifying the -datacenter or -host option will override the original inventory path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action

Processing continues

User response

None

FMV2093E: The remote file system agent is downlevel and does not support this operation. NODENAME : *node* MULTI-NODE NAME : *multi-node* hostname : *host* TCP/IP address : *tcpaddr:tcpport* version : *version.release.level.mod*

Explanation

None.

System action

The operation fails.

User response

Upgrade the remote file system agent to a supported level.

FMV2097E: Unable to establish a session with the IBM Storage Protect server as target node '*target*' using agent node '*agent*'.

Explanation

None.

System action

Processing ends.

User response

Ensure that the multi-node name exists on the server and that the agent node has the proper authority to target node listed.

FMV2101E: Compressed data grew.

Explanation

The size of data is growing after compression

System action

Processing continues.

User response

The application must abort the transaction.

Please turn off compression and try to resend the object.

FMV2102E: File list processing not started

Explanation

An error occurred before the file list processing was started.

System action

Processing stops.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV2104E: An error occurred after processing the file list.

Explanation

An error occurred after the file list processing completed.

System action

Processing stops.

User response

Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV2105I: File list entry not Processed: *File List Entry*

Explanation

A file list operation encountered an error. This entry from the file list was not processed.

System action

This message is for auditing purposes only.

User response

This message is for auditing purposes only.

FMV2106I: Connection to primary IBM Storage Protect server *primary server*; failed

Explanation

A communication error occurred while attempting to connect to the primary server. The node is configured for replication and will attempt to connect to the secondary server.

System action

Processing continues.

User response

Contact the IBM Storage Protect server administrator to verify if the primary server is available. If the primary server is available, check the error log for communications failures and correct any configuration issues. If the IBM Storage Protect server is not available, allow the node to fail over to the secondary server as configured by the primary IBM Storage Protect server administrator.

FMV2107I: Attempting to connect to secondary server *secondary server*; at *secondary server*; : *TCP/IP Port*;

Explanation

The node is configured for replication and will attempt to connect to the secondary server. The secondary server address and port are configured by the primary IBM Storage Protect server administrator and are saved in the options file.

System action

Processing continues.

User response

Contact the IBM Storage Protect server administrator to verify if the primary server is available. If the primary server is available, check the IBM Storage Protect error log for communications failures and correct any configuration issues. If the IBM Storage Protect server is not available, allow the node to fail over to the secondary server as configured by the primary IBM Storage Protect server administrator.

FMV2108I: Connected to secondary server *secondary server*;

Explanation

The node is configured for replication and has successfully connected to the secondary server.

System action

Processing continues.

User response

None.

FMV2110I: Connection to secondary server IBM Storage Protect *secondary server*; failed

Explanation

A communications error occurred while attempting to connect to the secondary server. The node is configured for replication and an attempt to connect to the secondary server was made but failed.

System action

Processing continues.

User response

Contact the IBM Storage Protect server administrator to verify if the secondary server is available. If the secondary server is available, check the error log for communications failures and correct any configuration issues.

FMV2111E: The REPLSERVERNAME entry for the specified MYREPLICATIONSERVER option was not found.

Explanation

The MYREPLICATIONSERVER option must have a matching REPLSERVERNAME entry in the options file. The REPLSERVERGUID, REPLTCPPOINT, and REPLTCPSEVERADDRESS must also be specified. These options are normally set by the IBM Storage Protect server administrator and saved to the options file during logon to the primary server.

System action

Processing stops.

User response

Manually edit the options file to either correct or remove the options.

FMV2112I: Secondary server is configured as 'read-only'. Backup and Archive operations are not supported when the secondary server is in 'read-only' mode

Explanation

The IBM Storage Protect client has established a session with a server that is configured as 'read-only'. The IBM Storage Protect server is configured as a replication server and will not accept data from this node.

System action

Processing continues.

User response

The IBM Storage Protect may be used for Restore, Retrieve and Query operations. Backup and Archive commands will fail. The IBM Storage Protect server administrator can enable Backup and Archive operations for the node with the 'Update Node' command.

FMV2113E: The *Command;* command is not enabled when connected to the secondary server in failover mode.

Explanation

The IBM Storage Protect client has failed over and established a session with a secondary server. The IBM Storage Protect server is configured as a replication server and will not accept data from this node. Commands that store data on the server are disabled.

System action

Processing continues.

User response

You can use the IBM Storage Protect client for Restore, Retrieve, and Query operations. Backup and Archive operations will fail.

FMV2114W: IBM Storage Protect application protection did not copy the VSS Manifest files from VM 'VM'.

Explanation

The VSS Manifest files are not found on the guest machine.

System action

The VSS Manifest files cannot be copied. Verify that the VSS and SQL Writer services are running on the guest VM

User response

None

FMV2115I: Replication server connection information saved: *connection information*;

Explanation

This node is configured for replication. The replication server connection information has been saved to the options file. The replication server options are set by the IBM Storage Protect Administrator, sent to the client during logon, and are saved to the options file.

System action

Processing continues.

User response

None.

FMV2116W: IBM Storage Protect application protection did not back up the VSS Manifest files from VM 'VM'.

Explanation

A failure occurred while backing up the files that are necessary for application protection.

System action

The back up of this VM failed.

User response

Check the dsrmerror.log for additional information. Then try the operation again.

FMV2117E: Source volume is of subtype *dev-type* and destination is of subtype *dev-type*. Destination must be larger than source.

Explanation

Logical volumes from scalable volume groups (subtype DS_LVZ) do not contain an LVCB. That is, the very first block contains user data. AIX LVM volumes from original volume groups (subtype LVM) contain a Logical Volume

Control Block (LVCB) on the first block (512 bytes) of the volume. When restoring to a volume of subtype LVM, the first block must be skipped in order to preserve the existing LVCB of the destination volume. That is, the restore operation begins writing at the second block of the volume. This means that given two volumes of identical size, one of subtype DS_LVZ and the other is of subtype LVM, the latter has one less 512-byte block in which to store user data. Thus when you restore a volume of subtype DS_LVZ to a volume of subtype LVM, it is not sufficient for the destination volume to be the same size as the source volume. Instead, the destination volume must be at least one 512-block larger than the source volume.

System action

The restore operation is not performed.

User response

Make sure that both source and destination logical volumes are of the same type, or choose a larger destination volume, or increase the size of the destination volume.

FMV2118I: A write failure occurred while attempting to save node replication failover values to the options file.

Explanation

A write failure is often a result of insufficient access permissions to the options file, but could also be caused by the lack of available disk space. The replication server connection information can not be saved and failover will not be possible.

System action

The operation failed.

User response

Check the local disk for possible causes of the write error, and check to see that sufficient access to the options file is configured.

FMV2119I: An invalid replication server address return code rc value = *rc-value* was received from the server.

Explanation

An invalid replication server address return code indicates that the server was not able to acquire connection information.

System action

Possible server problem.

User response

Check the server log for more information.

FMV2120W: The last store operation date reported by the server *replication server*; of *server commit date*; UTC does not match the last store operation date of *client commit date*; UTC stored by the client for the filespace *filespace*;

Explanation

The last store operation date reported on the server does not match the date stored locally on the client. If connected to the replication server it is likely that the replication was done before the last store operation from the client to the primary server. Hence, the replication is out of date. If connected to the primary server it is likely that the previous backup was done from another machine.

System action

Processing continues.

User response

Contact the IBM Storage Protect server administrator. Restoring from an out of date replica may lead to loss of data. If the primary server cannot be recovered, a full backup to the replica may be appropriate. If connected to the primary server, the message can be ignored.

**FMV2122E: The name of virtual machine '*VM-name*' ends with a period.
The backup/restore of such machines is not supported.**

Explanation

The specified virtual machine ends with a period character that are not supported for virtual machine backup and restore operations.

System action

The backup for the specified virtual machine fails.

User response

Rename the virtual machine so that it does not ends with period.

FMV2123W: Issue the `dsmc SET PASSWORD -type=VCD 'vCloud Director hostname' 'userid' 'password'` command to save an encrypted password.

Explanation

The VCDPW option was found either in an options file or as a command- line entry. Although both methods of entry are allowed, they present a security risk because the password is in plain text and is not encrypted.

System action

The option is accepted and the VCD password is used in the current session.

User response

To save an encrypted password, issue the following command: `dsmc SET PASSWORD -type=VCD 'VirtualCenter hostname' 'userid' 'password'`

FMV2124W: Client node replication table is locked by another process.

Explanation

Another process is using the client node replication table. Only one process may use it at a time.

System action

This process does not use the client node replication table.

User response

You can serialize processes using the client node replication table. Or you can reconfigure the current process to use a different table path to avoid contention.

FMV2126E: The Organization VDC node that contains snapshots of Organization VDC '*org vdc name*' of organization '*org name*' was not found.

Explanation

The Organization VDC node contains the backup data to be restored. The specified organization and organization VDC are not mapped to this Organization VDC node. As a result, the restore operation cannot proceed.

System action

The operation stops.

User response

Verify that the specified organization, organization VDC, and vApp are correct.

FMV2127E: The snapshot data that is required to restore '*vapp name*' cannot be retrieved from the IBM Storage Protect Server.

Explanation

The required snapshot data was unable to be retrieved from the IBM Storage Protect Server.

System action

The operation stopped.

User response

Check the dserror.log file for information about why the data was not retrieved. Then, try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2128E: Failed in creating a restored version of vApp '*vapp name*'.

Explanation

The operation to create a restored vApp on the vCloud failed. The data associated with the vApp snapshot might not be complete.

System action

The operation stops.

User response

Check the dsmmerror.log file for information about why the operation failed. Then, try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2129E: A VM you tried to rename '*rename*' did not appear in the list of VMs to restore '*list*'.

Explanation

The VMNAME option for parallel restores requires pairing the name and rename fields together. You cannot rename a VM which you are not attempting to restore.

System action

The operation will not begin.

User response

Verify the syntax of the command and spelling of the VMs you are trying to restore.

FMV2135E: The node on the IBM Storage Protect server is in read only mode.

Explanation

The server has prevented a store operation on the IBM Storage Protect server. The most likely explanation for this is the node has failed over to the secondary server.

System action

Processing stops.

User response

Contact the IBM Storage Protect server administrator to verify if the primary server is available. If the primary server is available, check the error log for communications failures and correct any configuration issues.

FMV2136E: Operation not permitted. The secondary server reports the primary server is available. Quit and restart the IBM Storage Protect client and retry the command.

Explanation

The server has prevented a store operation on the secondary IBM Storage Protect server. The secondary server reports that the primary server is available. However, the IBM Storage Protect client failed over to the secondary server.

System action

Processing stops.

User response

Restart the IBM Storage Protect client and verify the primary server connection is made. If the IBM Storage Protect client is unable to connect to the primary server, contact the IBM Storage Protect server administrator to verify if the primary server is available. If the primary server is available, check the error log for communications failures and correct any configuration issues.

FMV2138E: Failed in restoring the vApp properties to vApp: '*vapp name*'.

Explanation

The vApp properties were not restored to the created vApp. This failure might be caused by a problem in the backed up vApp or in its metadata.

System action

The operation completes. However, it is possible that the restored object does not contain all of the expected content.

User response

Check the backed up vApps on the vCloud. In addition, check the dsmmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2143E: vApp verification failed. Data inconsistency was found.

Explanation

During the verification of a vApp, an inconsistency was found in the backup data.

System action

The restore operation was stopped.

User response

Examine the client error log for any additional messages that might be related to this problem and contact IBM Storage Protect technical support for further assistance.

FMV2145W: Warning - updating an existing virtual machine named '*name*'. The restore operation continues.

Explanation

The virtual machine exists and will be updated with the disks specified.

System action

The virtual machine will be updated by the restore operation.

User response

No user action is necessary.

FMV2146E: The target vCenter or ESX/ESXi host is no longer supported, for virtual machine backups, by this version of IBM Storage Protect.

Explanation

The target vCenter or ESX/ESXi host is no longer supported, for virtual machine backups, by this version of IBM Storage Protect.

System action

Processing stops for this virtual machine.

User response

Specify another target vCenter or ESX/ESXi host that is supported by this version of IBM Storage Protect.

FMV2147E: The virtual machine named '*name*' already exists on the target system.

Explanation

The virtual machine cannot be restored because the name already exists on the target system.

System action

Processing stops for this virtual machine

User response

Use the -vmname option to rename the virtual machine.

FMV2148I: Virtual machine templates cannot be backed up in incremental mode, switching to full mode.

Explanation

The backup of virtual machine templates are only supported as full backups.

System action

Processing continues in full mode for this template virtual machine.

User response

To back up this virtual machine template use full mode.

FMV2149E: The restore operation for this virtual machine to the target ESX/ESXi host is not supported because virtual machine hardware version is incompatible.

Explanation

The target ESX/ESXi host does not support the virtual hardware version of the virtual machine. As a result, a restore of the specified virtual machine to this host is not supported.

System action

Processing stops for this virtual machine.

User response

Specify another virtual machine to restore or specify another target ESX/ESXi host that supports virtual hardware version of the virtual machine.

FMV2150E: Set HSMDISABLEAUTOMIGDAEMONS YES in the dsm.opt file to use HSM multi-server functionality.

Explanation

Set HSMDISABLEAUTOMIGDAEMONS YES in the dsm.opt file to use HSM multi-server functionality.

System action

HSM multi-server processing stops.

User response

Set HSMDISABLEAUTOMIGDAEMONS YES in dsm.opt.

FMV2155W: Skipping file '*file-name*'. File related to '*server-name*'.

Explanation

File is already coupled to another server.

System action

HSM continues with normal operation.

User response

Use the correct server to process the file.

FMV2156E: The server '*server-name*' was not added to the environment.

Explanation

The requested IBM Storage Protect server was not added to the multi-server environment. There are several causes for this error:

- The file system is not managed by HSM.
- The HSM management is not active for the file system.
- The file system is out of space.
- The default IBM Storage Protect server for the file system was not yet added to the multi-server environment.
- The IBM Storage Protect server name is not valid.

System action

HSM multi-server processing stops.

User response

Eliminate the possible causes for this issue and retry.

FMV2157E: The server '*server-name*' was not removed from the environment.

Explanation

The requested IBM Storage Protect server was not added to the multi-server environment. There are several causes for this error:

- The file system is not managed by HSM.
- The HSM management is not active for the file system.
- The IBM Storage Protect server is the default server for the file system and must be removed last.
- The IBM Storage Protect server name is not valid.

System action

HSM multi-server processing stops.

User response

Eliminate the possible causes for this issue and retry.

FMV2158E: The server '*server-name*' was not added to the environment. You must first add the default IBM Storage Protect server ('*default-server-name*') for this file system.

Explanation

The requested IBM Storage Protect server was not added to the multi-server environment. The requested IBM Storage Protect server is not the default server for the file system.

System action

HSM multi-server processing stops.

User response

Add the default IBM Storage Protect server first.

FMV2159I: The server '*server-name*' was added to the environment.

Explanation

The requested IBM Storage Protect server was added to the multi-server environment.

System action

HSM multi-server processing continues.

User response

None.

FMV2160I: The server '*server-name*' was removed from the environment.

Explanation

The requested IBM Storage Protect server was removed from the multi-server environment.

System action

HSM multi-server processing continues.

User response

None.

FMV2161E: The server '*server-name*' is not a valid IBM Storage Protect server for this environment.

Explanation

The requested IBM Storage Protect server was not added to the multi-server environment.

System action

HSM multi-server processing stops.

User response

Check the dsm.sys file for the correct IBM Storage Protect server name.

FMV2162E: HSM cannot be removed from the file system. The IBM Storage Protect multi-server list is not empty.

Explanation

HSM management was not removed from the file system.

System action

HSM processing continues.

User response

Remove all IBM Storage Protect servers from the multi-server list before removing HSM.

FMV2163E: The default IBM Storage Protect server ('*server-name*') for the file system will be removed.

Explanation

The default IBM Storage Protect server will be removed. The IBM Storage Protect server list for multi-server will be empty after this step.

System action

HSM processing continues without multi-server support.

User response

nothing.

FMV2165I: The server '*server-name*' is the default server and has been removed last.

Explanation

The requested IBM Storage Protect server was removed from the multi-server environment.

System action

HSM multi-server processing continues.

User response

None

FMV2166I: The IBM Storage Protect server '*server-name*' is not included in the multi-server environment.

Explanation

The requested IBM Storage Protect server is not part of the multi-server environment.

System action

HSM multi-server processing continues.

User response

None.

FMV2167W: Can not read SERVERNAME attribute.

Explanation

IBM Storage Protect cannot read the SERVERNAME attribute from file.

System action

HSM multi-server processing continues.

User response

None.

FMV2168W: Can not write SERVERNAME attribute.

Explanation

IBM Storage Protect cannot write SERVERNAME attribute to file.

System action

HSM multi-server processing continues.

User response

None.

FMV2169E: Skipping - Requested server is not included in multi-server environment for filesystem '*file-system*'.

Explanation

The requested IBM Storage Protect server is not part of the multi-server environment.

System action

HSM multi-server processing continues.

User response

None.

FMV2170W: Skipping - file linked to another server.

Explanation

The file is already coupled to another IBM Storage Protect server.

System action

HSM continues with normal operation.

User response

Use the correct server to process the file.

FMV2171E: The DMAPI version '*dmapi-version*' is not supported.

Explanation

The DMAPI version installed on this node is not supported from the given IBM Storage Protect client.

System action

Due to this issue the affected HSM process ends.

User response

Use the documentation to identify the supported DMAPI versions. Install a supported DMAPI and retry the HSM command or process.

FMV2172E: Command not supported in HSMBACKENDMODE TSMFREE.

Explanation

That command is not supported using an external HSM backend.

System action

Exit programm

User response

Do not use the command

FMV2173E: Volume '*volume name*' from vFiler '*vFiler name*' is mounted using AIX NFS version 4. This configuration is not supported for snapshot difference incremental backups.

Explanation

Snapshot difference incremental backups are not supported for vFiler volumes mounted using AIX NFS version 4.

System action

Snapshot difference incremental backup fails.

User response

This problem is documented by NetApp BURT 630200. Apply the fix for this once it is available from NetApp. Specify "testflag snapdiffenablevfilernfs4" in dsm.opt file and retry the snapshot difference incremental backup.

FMV2174E: Conflicting options HSMLOGMAX and HSMLOGRETENTION were specified.

Explanation

Values were specified for both the HSMLOGMAX and the HSMLOGRETENTION options. These options are mutually exclusive.

System action

Processing stops.

User response

Specify a nonzero value for HSMLOGMAX if you wish to have the IBM Storage Protect hsm log wrap when it reaches the specified maximum value. Use HSMLOGRETENTION if you wish you have the hsm log limited in size on a time-based schedule.

FMV2175I: Data from server '*server-name*' should be recalled using the script 'dsmMultiServerRemove.pl'.

Explanation

Migrated files must be recalled before a server can be removed from the multiserver configuration.

System action

The server will not be removed.

User response

Check the documentation for detailed information about the 'dsmMultiServerRemove.pl' script.

FMV2176E: The sample journal configuration file " could not be copied to ' '.

Explanation

The IBM Storage Protect Journal Engine setup wizard tried to create a new journal configuration file by copying the sample configuration file. However the sample configuration file could not be successfully copied.

System action

The IBM Storage Protect Journal Engine setup wizard stops.

User response

Manually copy the sample journal configuration file "config\tsmjbbd.ini.smp" to "baclient\tsmjbbd.ini", then try the IBM Storage Protect Journal Engine setup wizard. The "baclient" and "config" directories can be found in the directory where you installed the IBM Storage Protect Backup-Archive Client. For example, "C:\Program Files\Tivoli\TSM\baclient" and "C:\Program Files\Tivoli\TSM\config"

FMV2177E: The vCloud vApp named '*vapp name*' already exists on the target system.

Explanation

The restore vApp command does not support restoring a vApp with an existing name.

System action

The restore was not performed.

User response

Execute the required restore command again, considering that the given name for the restored vApp is not used.

FMV2181I: Option *primary server*; saved.

Explanation

This node is configured for replication. The primary server name option is now saved to the options file. The replication server options are set by the IBM Storage Protect Administrator, sent to the client during logon, and are saved to the options file.

System action

Processing continues.

User response

None.

FMV2182I: Option *secondary server*; saved.**Explanation**

This node is configured for replication. The replication server option is now saved to the options file. The replication server options are set by the IBM Storage Protect Administrator, sent to the client during logon, and are saved to the options file.

System action

Processing continues.

User response

None.

FMV2183E: Organization '*Org name*' not found in the vCloud Director.**Explanation**

The specified Organization is not recognized by the vCloud Director.

System action

The action requested for the organization is canceled.

User response

Verify that an organization by the specified name exists in the vCloud. Organization names are case-sensitive.

FMV2184E: Organization VDC '*Org vDC name*' not found in organization '*Org name*'.**Explanation**

The specified organization VDC is not part of the specified organization.

System action

The action requested for the organization VDC is canceled.

User response

Verify that an organization VDC by the specified name exists in the specified organization. Organization and organization VDC names are case-sensitive.

FMV2185E: Failed to log on to the vCloud Director on '*vCD host name*' with user name '*vCD user name*': Authentication failed.

Explanation

The vCloud credentials specified in the VCDUser and VCDPass options were rejected by the vCloud director.

System action

vCloud operations cannot be performed.

User response

Update the VCDUser and VCDPass options with valid credentials for the vCloud Director.

FMV2187E: Failed to establish connection to the vCloud Director on '*vCD host name*'.

Explanation

A connection cannot be established to the vCloud Director on the host that is specified by the VCDHost and VCDPort options.

System action

vCloud operations cannot be performed.

User response

Verify that the values of the VCDHost and VCDPort options are valid, network connectivity to the host exists, and that the vCloud Director service is running.

FMV2188E: The vCloud protection runtime library is not installed or failed to load.

Explanation

The vCloud runtime library is not installed or cannot be loaded.

System action

vCloud operations cannot be performed.

User response

Verify that the IBM Storage Protect for Virtual Environments vCloud runtime library is installed. If necessary, reinstall IBM Storage Protect for Virtual Environments.

FMV2189E: The vCloud protection runtime library cannot be initialized.

Explanation

The vCloud protection runtime library failed to initialize. This issue might be caused by the Java runtime not being installed.

System action

vCloud operations cannot be performed.

User response

Verify that Java is installed.

FMV2190E: The vCloud protection runtime library encountered an internal error.**Explanation**

An internal error had occurred in the vCloud runtime library.

System action

vCloud operations cannot be performed.

User response

Check the dsmmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2191E: An error occurred creating the default VSS staging directory '*path*'.**Explanation**

The IBM Storage Protect client uses an VSS staging directory to store files related to VSS snapshot operations. The IBM Storage Protect client was unable to create this directory structure.

System action

The IBM Storage Protect client stopped.

User response

If the problem persists, contact IBM Storage Protect technicalsupport for further assistance.

FMV2192E: Failed to read the node configuration information from node '*node name*'.**Explanation**

Node mapping information is required for this vCloud operation. However, the mapping information either does not exist or cannot be read from the specified node.

System action

The operation is canceled.

User response

Make sure that you are accessing the correct node. The node mapping information is stored in the Provider VDC node. If necessary, go to the Configuration page and click 'Run the Configuration Wizard' to make corrections to the node mapping.

FMV2193E: The required filespace for the vApp '*vapp name*' backup does not exist.

Explanation

No filespace exists for the specified vApp backup.

System action

The restore was not performed.

User response

Make sure that the specified vApp is correct. Then, try the restore operation again.

FMV2194E: The snapshot data is incomplete for vApp '*vapp name*'.

Explanation

Inconsistent data was found in the backed up vApp. It is not possible to restore the specified vApp.

System action

The restore was not performed.

User response

Check the dsmerror.log file for any additional messages that might be related to this problem. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2195E: The number of VMs that are available for restore is different from expected according to the vApp '*vapp name*' metadata.

Explanation

Inconsistent data was found in the vApp metadata. It is not possible to restore the specified vApp. More VMs have been backed up than are now available for restore. This may happen due to incomplete node replication or if a file space was deleted.

System action

The restore was not performed.

User response

Check the dsmerror.log file for any messages that may indicate the problem. Run a detailed query for this vApp to verify that all VMs backups exist. If node replication is used, ensure it is working correctly. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>. Contact IBM Storage Protect administrator for more information.

FMV2196W: An incompatible disk configuration is detected for the following disk: '*disk name*'. The individual database restore for the following database is not supported: '*database name*'.

Explanation

One or more database files in this operation are located on the dynamic or GUID Partition Table (GPT) disks. In this configuration, individual database restore is not supported.

System action

Backup of the full VM continues.

User response

To restore the environment to the previous statue, issue a full VM restore.

FMV2197E: The verification test of vApp '*vapp name*' indicates that VM data is incomplete in the vApp. The vApp cannot be restored.

Explanation

Inconsistent data was found in the VM for the specified vApp. It is not possible to restore the specified vApp. This may happen due to incomplete node replication or if a file space was deleted.

System action

Operation continues.

User response

Check the dsmmerror.log file for any additional messages that might be related to this problem. Run a detailed query for this vApp to verify that all VMs backups exist. If node replication is used, ensure it is working correctly. If the problem persists, perform a FULL new backup of the vApp and visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>. Contact IBM Storage Protect administrator for more information.

FMV2198I: Backup of VMware vCloud Director vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' completed successfully. VMs: *number of VM backed up* out of *number of VMs in vApp* VMs backed up successfully.

Explanation

The backup operation completed. The number of VMs backed up and the total number of VMs in the vApp are displayed.

System action

This message is for informational purposes only.

User response

If the number of VMs backed up is less than the total in the vApp please check the error logs for more information.

FMV2200I: *** Filling Cache *count* files *******

Explanation

IBM Storage Protect the specified number of files have been added to the disk cache.

System action

Processing continues.

User response

None.

FMV2201I: *** Inspecting Cache *count* files *******

Explanation

IBM Storage Protect the specified number of files have been examined in the disk cache.

System action

Processing continues.

User response

None.

FMV2202E: Disk Full Error Accessing Disk Cache.

Explanation

A disk full error occurred attempting to access or write to the specified disk cache file during a disk cache incremental backup. See the client error log for more detailed information.

System action

Processing stops.

User response

This error can be resolved by freeing up space in the file system containing the cache file, or specifying a different location for the cache file. Use the diskcachelocation option to specify the location of the cache file.

FMV2203E: Error Accessing Disk Cache.

Explanation

An error occurred attempting to access the specified disk cache file during a disk cache incremental backup. See the client error log for more detailed information. IBM Storage Protect.

System action

Processing stops.

User response

None.

FMV2204E: Disk cache restarted.

Explanation

The length of an object name exceeded the configured disk cache key length during a disk cache incremental backup. The backup must be restarted.. IBM Storage Protect.

System action

Backup is restarted with a larger key length to accommodate the object name.

User response

None required. The name of the object that caused the failure can be found in the dserror.log file.

FMV2206W: The user must have root authority to use the memory efficient backup disk cache method. The operation will continue using memory efficient backup method without disk caching.

Explanation

None.

System action

The operation continues without using disk caching.

User response

None.

FMV2213W: The virtual machine '*vm-name*' is configured with an invalid number of snapshot attempts specified by the tag '*tag*' for category '*cat*'.

Explanation

An invalid number of snapshot attempts is specified for the quiescing or nonquiescing snapshot attempts in the tag value. The maximum value that you can specify is 10 for either type of snapshot attempts. The minimum value that you can specify is 0, but both numbers cannot be 0.

System action

The operation continues with the default number of quiescing and nonquiescing attempts (2,0).

User response

Change the pair of numbers in the tag so that the number of quiescing and nonquiescing attempts is between 0-10, and that both numbers cannot be 0.

FMV2218I: The encryption key password for node *node name* and server *server name* has been migrated.

Explanation

The format of the IBM Storage Protect password file has recently changed. The option MIGRATEENCRYPTKEY is set and the stored encryption key password was automatically migrated to the new format. This message confirms that the migration was successful.

System action

The encryption key password has been migrated.

User response

No response.

FMV2219E: Cannot backup or archive files into filespace because it is owned by a IBM Storage Protect API application.

Explanation

IBM Storage Protect Client cannot archive or backup files into a file space that is used a IBM Storage Protect API application.

System action

Processing stops.

User response

Use separate node names for IBM Storage Protect Client and IBM Storage Protect API application(s).

FMV2220E: The cluster disk could not be put in maintenance mode.

Explanation

The system call to put the cluster disk in maintenance mode failed.

System action

Processing stopped.

User response

Try the operation again. If the problem continues, check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Examine the Windows event log which may contain additional information. See your system administrator or IBM Storage Protect administrator for further help.

FMV2221W: Java was not able to resolve the IP address of your local machine due to network misconfiguration problems! Please verify your network and DNS configuration are setup correctly. Note that on UNIX machines the hostname must be reported correctly (the same) for IPv4

and IPv6 communication methods in the /etc/hosts configuration file. IBM Storage Protect processing continues.

Explanation

Java was not able to get the local host address due to network misconfiguration problems.

System action

Processing continues.

User response

Please verify your network and DNS configuration are setup correctly. Note that on UNIX machines the hostname must be reported correctly (the same) for IPv4 and IPv6 communication methods in the /etc/hosts configuration file. See your system administrator or IBM Storage Protect administrator for further help.

FMV2223W: Rejected unauthenticated server-initiated session from *peer name*.

Explanation

For security, the client will not accept server-initiated sessions from servers that have authentication turned off.

System action

The client-server session is not opened, and the schedule is not executed. The scheduler continues to wait for contact by a server that has authentication turned on.

User response

If the client system is supposed to accept scheduled events from the prompting IBM Storage Protect server, either ask the IBM Storage Protect server administrator to turn authentication on, or do not use server-initiated sessions. If the client system is not supposed to accept scheduled events from the prompting server, ask the IBM Storage Protect server administrator to remove the client node name from the schedule on the prompting server.

FMV2225W: User has specified 'SNAPSHOTROOT' option. *snapshot provider* snapshot backup is not valid in conjunction with this option. "SNAPSHOTROOT option will take precedence and processing will continue without the use of a snapshot taken internally by IBM Storage Protect.

Explanation

The (-SNAPSHOTROOT) option is incompatible with IBM Storage Protect snapshot providers such as Logical Volume Snapshot Agent, VSS snapshot provider, JFS2 snapshot provider etc. which provide a comprehensive snapshot solution without having to use the (-SNAPSHOTROOT) option. It is strongly recommended that the snapshot capabilities provided by the IBM Storage Protect snapshot providers be used instead of using the (-SNAPSHOTROOT) option. Processing will continue without the use of the IBM Storage Protect snapshot providers.

System action

Processing continues without the use of the IBM Storage Protect snapshot providers.

User response

See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV2226W: The virtual machine '*vm-name*' is configured with an invalid hard disk list, specified by the tag '*tag*' for category '*cat*'.

Explanation

An invalid hard disk number is specified in the disk backup list tag value. The minimum hard disk number that you can specify is 1 and the maximum hard disk number that you can specify is 999. Also, the hard disk numbers must be comma separated positive integer values.

System action

Processing stopped.

User response

Change the hard disk list tag so that the hard disk numbers are between 1-999, and are listed as comma separated values.

FMV2227W: Server option '*option-name*' '*option-value*' has not been applied on the client due to the client option SRVOPTSETENCRYPTIONDISABLED.

Explanation

The client option SRVOPTSETENCRYPTIONDISABLED has been set to YES on the client thereby preventing the IBM Storage Protect administrator from setting one of the following client options - ENCRYPTKEY GENERATE, EXCLUDE.ENCRYPT, INCLUDE.ENCRYPT.

System action

The option will be ignored.

User response

None required.

FMV2228W: Backup of VMware vCloud Director vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' completed. Some VMs were not backed up. VMs: *number of VM backed up* out of *number of VMs in vApp* VMs backed up successfully.

Explanation

The vApp backup operation completed successfully. However, one or more VMs for the specified vApp were not backed up. These VMs will not be created during the restore operation.

System action

Processing continues to the next vApp.

User response

Check the log file for this vApp for more information about this message. Resolve the problem, then try the operation again.

FMV2229E: Failed to initialize the vCloud protection environment. See the local client error log for detailed error message information.

Explanation

The vCloud protection package could not be initialized.

System action

The operation is stopped

User response

Make sure all options that are related to the vCloud environment are specified correctly. Check the dserror.log file for detailed information.

FMV2230E: Failed to create vApp list according to spec '*vApp specification*'

Explanation

The vApp list was unable to be retrieved from the vCloud Director.

System action

The operation is stopped

User response

Make sure the values specified in the VCDHost, VCDUser, VCDPW, and DOMAIN.VCD options are correct. Make sure the vCloud Director is alive.

FMV2231I: The IBM Storage Protect category '*cat*' was not found.

Explanation

The IBM Storage Protect option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines, but the IBM Storage Protect category was not found.

System action

The backup operation continues without tagging support.

User response

Create the required IBM Storage Protect categories in the VMware vSphere web client or disable the data mover option 'VMTAGDATAMOVER' in the client options file.

FMV2232E: Failed to retrieve the list of VMs for vApp '*vApp name*' from the vCloud Director.

Explanation

The VM information for the specified vApp was not retrieved from the vCloud Director. This failure might be caused by the vCloud Director not being alive or accessible.

System action

The VMs that compose the specified vApp are not backed up. Processing continues to the next vApp.

User response

Make sure that the vCloud Director is alive and accessible. Check the dserror.log file for specific errors that are related to this issue.

FMV2233I: The IBM Storage Protect tag '*tag*' for category '*cat*' was not found.

Explanation

The IBM Storage Protect option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines, but the IBM Storage Protect tag was not found.

System action

The operation continues without tagging support.

User response

Create the required IBM Storage Protect tags in the VMware vSphere web client or disable the data mover option 'VMTAGDATAMOVER' in the client options file.

FMV2234W: Restore from virtual machine backup '*vm-name*' is not available for database '*db-name*'. *reason*

Explanation

Restore from virtual machine backup is not supported for in-guest application databases for one of the following reasons:

- Database files are located on the dynamic disks, GUID Partition Table (GPT) disks, iSCSI disks or other Network Attached Storage devices.
- Microsoft Exchange Server databases are in the dismounted state during virtual machine backup.
- Microsoft Exchange Server databases are in the unhealthy state or with unhealthy database copies.
- Microsoft Exchange Server databases are being backed up by a different server at the same time.
- When vmPreferDagPassive option is set to YES, Microsoft Exchange Server databases are active copies on the current server and have a healthy passive copy on another server.
- Microsoft Exchange Server Exchange databases are in the unknown state because IBM Storage Protect is not able to determine the database health status during virtual machine backup.

System action

The backup operation of the full virtual machine continues.

User response

Take one or more of the following actions to resolve the issue:

- Move the database files to disks that are supported by in-guest application protection.
- Mount the dismounted Microsoft Exchange Server databases before the virtual machine backup.
- Repair the Microsoft Exchange Server databases in the unhealthy states.
- Use the VMTSMVSS trace flag on the data mover to trace database health status processing during virtual machine backup operations.

FMV2236I: The virtual machine '*VM-name*' contains one or more disks that exceed the maximum size set by the VM_MAX_VIRTUALDISKS option. These disks will be excluded from the backup.

Explanation

The IBM Storage Protect client does not back up VMDKs that are larger than the maximum size.

System action

The virtual machine is backed up; however, the disks that exceed the limit are excluded from the backup.

FMV2238E: VCDHOST option must be set before running this operation.

Explanation

VCDHOST option is missing.

System action

Operation cannot continue without this option being set.

User response

Add the option to the client options file, either via the preferences editor or by manually editing the file, or specify the option on the command line.

**FMV2242E: No nodes were found that matched the input specification:
*node specification***

Explanation

An invalid node specification was entered.

System action

The operation was stopped.

User response

Check documentation how to specify nodes.

FMV2244W: The virtual machine contains one or more disks that exceed the maximum size set by the VM_MAX_VIRTUALDISKS option. You can use

the VMMAxVIRTUALDISKS option to change the maximum size or specify the '-VMSKIPMAXVIRTUALDISKS=yes' option to exclude these disks from the backup.

Explanation

The IBM Storage Protect client does not back up VMDKs that are larger than the maximum size.

System action

The virtual machine is not backed up.

User response

Use the VMMAxVIRTUALDISKS option to change the maximum size or specify the '-VMSKIPMAXVIRTUALDISKS=yes' option to exclude these disks from the backup.

FMV2245E: Virtual machine backups and restores are not supported on 32 bit data movers.

Explanation

Virtual machine operations such as backups and restores are not supported on 32 bit Data Movers.

System action

The operation is not performed.

User response

Update to a 64 bit Data Mover and retry the operation.

FMV2246W: Failed to disable maintenance mode for vApp *vApp name*.

Explanation

The client has tried to disable the maintenance mode of this vApp. This operation failed.

System action

Operation continues.

User response

Check whether the vApp is still in maintenance mode. If yes, disable it manually.

FMV2247E: ASNODENAME option must be specified when running this command.

Explanation

When running vCloud-related commands, ASNODENAME option must specify the Provider vDC node.

System action

Operation cannot continue.

User response

Specify the Provider vDC node as ASNODENAME to the command.

FMV2248E: Failed to load or initialize the Java runtime library.

Explanation

The Java runtime library (libjvm), required by the vCloud Protection environment, cannot be loaded, or initialization of Java runtime environment failed

System action

Operation is stopped

User response

For Linux operating system, verify that a link named 'jre', referencing the 'jre' directory under your Java installation path, exists in the backup-archive client installation directory. If a link does not exist, create the link (e.g. `ln -s /opt/ibm/java-x86_64-70/jre /opt/tivoli/tsm/client/ba/bin/jre`). Alternatively, modify `LD_LIBRARY_PATH` to include the path to libjvm.so (e.g. `export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/tivoli/tsm/client/ba/bin:/opt/ibm/java-x86_64-70/jre/bin/classic`). For Windows operating system, verify that the JRE directory exists under the client installation directory. Reinstall the backup-archive client if necessary.

FMV2249W: A virtual machine named '*vmname*' exists on this system. Do you want to replace the existing virtual machine?

Explanation

Restoring this virtual machine will stop and delete the existing virtual machine and all of its files. To protect application data, stop any applications that are running, and then shut down the virtual machine before you restore it.

System action

If the user chooses to continue, the system will stop and delete the existing virtual machine and all of its files.

User response

Choose whether to replace the existing virtual machine.

FMV2250W: A IBM Storage Protect core file or crash report was found: *filename*

Explanation

The presence of a core dump or crash report indicates a process has abnormally terminated.

System action

The core file or crash report name is reported in the message. Processing continues.

User response

Review the error log for any other error messages that may help diagnose the cause of the core dump. If possible, correct any issues found. As a core dump is generally caused by a programming error, save the file noted in this message and contact IBM Storage Protect technical support.

FMV2253W: The version of the message catalog, *catalogversion*, in use by IBM Storage Protect does not match the version of IBM Storage Protect, *clientversion*

Explanation

A check of the catalog version indicates the catalog and IBM Storage Protect are not the same version. This may lead to missing or incorrect messages being used.

System action

Processing continues.

User response

Review the installation of IBM Storage Protect, verify the message catalog files match the installed version of IBM Storage Protect. Re-installation of IBM Storage Protect may be required, or a system reboot may be required to complete the installation.

FMV2254E: *program-name* with session id *sessid* aborted recall for token *token*. ERRNO *errno* : *errno-text* was set. See message explanation.

Explanation

A recall was aborted from HSM. The ERRNO set from HSM explains why the recall was aborted. Transient errors (The operation must be retried after the associated problem was solved): ENOSPC : No space left on device. HSM couldn't free space for the recall. ENOMEM : Not enough memory available to acquire the required resources for the recall. ESRCH : The internal communication between master and distributor failed. EACCES : Most common errno. One of the failures below: - The recall daemon are exiting. System cleanup ongoing. - Recovery of previously failed nodes is ongoing. - File is immutable and can't be opened for write / truncate. - The HSM internal processing failed due to issues with the DMAPI. EBUSY : HSM can't acquire exclusive rights on the file. EFAULT : The system detected an invalid address in attempting to use an argument. EINTR : The DMAPI implementation allows interruption and the process was interrupted. EINVAL : The requested right is not valid or the session or token is not valid or token was DM_NO_TOKEN. Static errors (The operation can't be fulfilled. Recall not possible): EIO : The stub file is orphan. ENOENT : The file doesn't exist in the file system. EBADF : The file handle does not refer to an existing or accessible object.

System action

The recall request was aborted from the HSM service.

User response

Transient errors: Solve problem indicated from the errno. On GPFS platforms: Use command `dsmmigfs q -d -n=all` to verify HSM and GPFS are running properly. Retry the recall operation if failed file can be identified. Enable HSM Logging if failed file cannot be identified and wait for new occurrence. (HSM Logging allows you to map between the token displayed from the FMV message and the recalled file) Static errors: Restore the file from backup.

FMV2260E: Failed to lock IBM Storage Protect password file.

Explanation

In multi-process environment IBM Storage Protect client locks the password file during authentication to avoid conflicts on updating password in case the current password is expired.

System action

processing stops

User response

Try to use MAXRETRIESLOCK test flag to increase number of attempts to lock the file. The default value is 1500.

FMV2261E: IBM Storage Protect client failed to lock options file.

Explanation

In multi-process environment IBM Storage Protect client locks the options file during initialization to avoid conflicts on reading or adding an option.

System action

processing continue

User response

Try to decrease a number of IBM Storage Protect client processes

FMV2262I: The service is starting.

Explanation

The file restore service is starting.

System action

Processing continues.

User response

No action is required.

FMV2263I: The service started.

Explanation

The file restore service started.

System action

Processing continues.

User response

No action is required.

FMV2264I: The shutdown is in progress.

Explanation

The shutdown is in progress.

System action

Processing continues.

User response

No action is required.

FMV2265I: The service is shutting down.

Explanation

The file restore service is shutting down.

System action

Processing continues.

User response

No action is required.

FMV2266I: The option '*option-name*' is set to the default value of '*default-value*'.

Explanation

An error was detected with the option value.

System action

The default setting is used.

User response

To use a non-default value, correct the option value in the frConfig.props file.

FMV2267W: The '*option-name*' option value '*invalid-value*' is invalid.

Explanation

An error was detected with the option value.

System action

The default setting is used.

User response

To use a non-default value, correct the option value in the frConfig.props file. Then, restart the web server that is hosting the file restore interface.

FMV2268W: The TCP/IP port address on the mount proxy node cannot be located or is invalid.

Explanation

The mount proxy node requires a TCP/IP port address. This address is used for communication by the client acceptor on the mount proxy node.

- If a local mount proxy node is used, the TCP/IP port address that was specified with the configuration wizard or notebook is invalid.
- If a remote mount proxy node is used, the default_mp_httpport option in the frConfig.props file is either not specified or is invalid.

Communication with the client acceptor cannot start.

System action

Processing stops.

User response

If a local mount proxy node is used, use the Mount Proxy Node Pairs page in the configuration wizard or notebook to remove the mount proxy node. Then, add the mount proxy node again to resolve this issue.

If a remote mount proxy node is used, ensure that the default_mp_httpport option is specified in the frConfig.props file with a valid TCP/IP port address.

FMV2269E: The maximum number of backups were loaded. If a restore is running, wait for it to complete and load the backup again. If the backup is loaded in another browser window, close that browser.

Explanation

To mount another backup, one of the mounted backups must be dismounted.

System action

Processing stops.

User response

Dismount one of the mounted backups and try the operation again.

FMV2309I: Single Sign On login to the vSphere Server failed in function *function*. API message A credential login is now attempted.

Explanation

The Single Sign On (SSO) login to the vSphere Server failed. Possible reasons for this failure include the following situations:

- A time difference exists between the vSphere Server clock and the client clock that exceeds 10 minutes.

- The SSO server accesses a non-default port. This issue can occur when the SSO server is installed on the same system as the VMware vCenter.

System action

The system attempts a credential login as a result of the SSO login failure.

User response

Check the dsrmerror.log file for details about why the SSO login attempt failed. Then, take any corrective action, if needed.

FMV2310E: The create snapshot task is disabled on the virtual machine 'VM-name'. As a result, the virtual machine cannot be backed up.

Explanation

Virtual machines that are managed or replicated by another application disable the create snapshot task. The vSphere client or another application disabled the create snapshot task on this virtual machine. As a result, this virtual machine cannot be backed up.

System action

The backup operation skips the virtual machine with the disabled create snapshot task and continues processing the remaining virtual machines.

User response

None.

FMV2311E: The create snapshot task is disabled on the virtual machine. As a result, the virtual machine cannot be backed up.

Explanation

Virtual machines that are managed or replicated by another application disable the create snapshot task. The vSphere client or another application disabled the create snapshot task on this virtual machine. As a result, this virtual machine cannot be backed up.

System action

The backup operation skips the virtual machine with the disabled create snapshot task and continues processing the remaining virtual machines.

User response

None.

FMV2312E: -DELTYPE=ALL is not allowed for DELETE BACKUP -OBJTYPE=VM.

Explanation

DELTYPE=ALL is not a valid option value when deleting VM backup objects.

System action

The command is not executed.

User response

If you wish to delete all backups for a VM node, use the DELETE FILESPACE command.

FMV2313E: -FILELIST is not allowed for DELETE BACKUP or EXPIRE when -OBJTYPE=VM.**Explanation**

-filelist is not a valid option value when deleting or expiring VM backup objects.

System action

The command is not executed.

User response

If you wish to delete or expire all backups for a VM node, use the DELETE FILESPACE command.

FMV2314E: No VM backup exists for *VM-Name*.**Explanation**

The IBM Storage Protect server has no record of a VM backup for the VM name provided. The backup might have been deleted, or the VM name spelled incorrectly.

System action

The command is not executed.

User response

If spelling is the problem, correct it and resubmit the command.

FMV2315E: -PICK is not allowed for EXPIRE when -OBJTYPE=VM.**Explanation**

-pick is not a valid option value when expiring VM backup objects.

System action

The command is not executed.

User response

If you wish to expire all VM nodes, use the DELETE FILESPACE command.

FMV2316E: Wildcards are not allowed in the VM name argument.

Explanation

When expiring or deleting a VM backup, the VM name must be specified exactly. The EXPIRE -OBJTYPE=VM command processes only one backup on each invocation. When -INACTIVE is present the DELETE BACKUP -OBJTYPE=VM command displays all versions of a single VM backup in a list from which to choose. If -INACTIVE is not present, this command expires the current active VM backup.

System action

The command is not executed.

User response

Specify only one VM name without wild cards. It may be in upper or lower case.

FMV2317E: Deletion of VM object *VMname* failed. Reason:

Explanation

The transaction which deletes the named VM object failed at the server. The reason code?????

System action

The deletion is skipped and processing continues with the next selection, if any.

User response

Consult the error log for specific reasons for this failure.

FMV2318E: *Command* with -OBJTYPE=VM requires exactly one non-option argument

Explanation

This command accepts only a single VM name as an argument. Either no arguments were entered or more than one appeared on the command line.

System action

The command is not executed.

User response

Specify only one VM name without wild cards. It may be in upper or lower case.

FMV2319W: DELETE BACKUP -OBJTYPE=VM finished with failures.

Explanation

One or more deletions failed.

System action

The VM backups which failed have been reported in previous messages. Processing continues with the next selection, if any.

User response

Consult the previous error messages for the cause of each failure.

FMV2320I: DELETE BACKUP -OBJTYPE=VM finished without failures.**Explanation**

All VM backups selected for deletion were deleted.

System action

Control returns to the command line.

User response

No action is required, this message is informational.

FMV2321W: EXPIRE with -OBJTYPE=VM finished with failures.**Explanation**

The command did not complete, no objects were expired.

System action

The VM expire which failed has been reported in previous messages.

User response

Consult the previous error messages for the cause of the failure.

FMV2322I: EXPIRE with -OBJTYPE=VM finished without failures.**Explanation**

The EXPIRE command executed successfully.

System action

Control returns to the command line.

User response

No action is required, this message is informational.

FMV2323E: The user ID and password for VMware vCloud Director '*vCD host name*' are not set.**Explanation**

The user ID and password for VMware vCloud Director could not be read from encrypted password file.

System action

Processing stops.

User response

Issue the dsmdc SET PASSWORD -type=VCD 'vCloud Director hostname' 'userid' 'password' command to save an encrypted password.

FMV2324W: WARNING: The VMware vCloud Director user ID <hostuserid> read from the password file is different from the VCDUser option value <vmcuserid>. Using stored value.

Explanation

All user IDs that are specified in the TSM.PWD file and in the VCDUSER option must be the same.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information that is provided in this message.

FMV2325E: Error Accessing Snapshot Differential Change Log for filer " volume ", see client error log for more information.

Explanation

The Snapshot Differential Change Log needed needed to backup the specified filer volume could not be accessed

System action

The backup of the specified volume fails.

User response

Ensure that the client staging directory where change logs are located is accessible.

FMV2326W: Corrupt Snapshot Differential Change Log detected, change log will be reset and a full progressive incremental will be performed.

Explanation

A corrupt snapshot differential change log for the filer volume being backed up was detected.

System action

The change log will be reset and a full progressive incremental with a new base snapshot will be performed.

User response

none.

FMV2327I: Creating Snapshot Differential Change Log.

Explanation

A new snapshot differential change log was created.

System action

This message is for informational purposes only.

User response

No action is required.

FMV2328I: Using Snapshot Differential Change Log.

Explanation

A snapshot differential change log is being used for the backup.

System action

This message is for informational purposes only.

User response

No action is required.

FMV2329W: Down level Snapshot Differential Change Log detected, Change Log will be reset and a full progressive incremental will be performed.

Explanation

none.

System action

none.

User response

none.

FMV2330E: Failed to unfreeze the VSS writers because the snapshot time exceeded the 10 second timeout limitation.

Explanation

Microsoft VSS has a 10 second timeout limitation between freeze and thaw events for VSS writers on a VM. When the snapshot time exceeds the 10 second timeout limit, the VSS writers return to a 'failed' state. This failed state occurs because the VSS provider did not thaw the VSS writers within the allowed time.

System action

Processing stops.

User response

Check the event log. Ensure that the writers on the guest VM are in 'stable' state before trying an application protection VM backup operation again. A snapshot operation must be completed within 10 seconds.

FMV2331W: No match found on the server for the Hyper-V VM name or VMList '*string*' entered**Explanation**

No match found on the server for the Hyper-V VM name or VMList parameter entered.

System action

None.

User response

Specify another Hyper-V VM name or VMList parameter that exists on the server.

FMV2332E: Failed to log on to the vCloud Director. Authentication failed.**Explanation**

The vCloud credentials were rejected by the vCloud Director.

System action

The operation is stopped

User response

Update username and password for the vCloud Director.

FMV2333E: Failed to establish connection to the vCloud Director.**Explanation**

A connection cannot be established to the vCloud Director on the host that is specified by the VCDHost and VCDPort options.

System action

The operation is stopped

User response

Verify that the values of the VCDHost and VCDPort options are valid, network connectivity to the host exists, and that the vCloud Director service is running.

FMV2334E: An operation requiring the Windows Management Instrumentation (WMI) service has failed with the error '*errorstring*'.

Unable to connect to the Hyper-V namespace. Confirm that Hyper-V is installed on the backup node.

Explanation

The Windows Management Instrumentation (WMI) namespace "root\virtualization\v2" for Hyper-V could not be found. This namespace is installed with Hyper-V. If Hyper-V is installed, Hyper-V is not in a good state.

System action

Creating a connection to the Hyper-V WMI provider.

User response

Check that Hyper-V is installed. If Hyper-V is not installed, install Hyper-V before attempting this operation again.

FMV2335E: An operation requiring the Windows Management Instrumentation (WMI) service has failed with the error '*errorstring*'. The WMI service is in the shutting down or shutdown state. Restart the service and try again.

Explanation

The Windows Management Instrumentation (WMI) service has received a request to shutdown or has been shutdown due to an external error. An internal operation which requires WMI has been attempted and failed. The requested operation is unavailable while WMI is shutdown.

All Hyper-V operations require the Windows Management Instrumentation service.

System action

An internal IBM Storage Protect operation involving Windows Management Instrumentation has occurred.

User response

Restart the Windows Management Instrumentation service.

FMV2336W: IBM Storage Protect has detected that the following Hyper-V virtual machine "*virtual_machines*" has an interrupted incremental backup chain. Performing a full backup on the specified Hyper-V virtual machine.

Explanation

The last operation of the virtual machine was a restore; or an unknown party has performed incremental backup operations on the listed virtual machine. To prevent backup corruption a full backup will be performed instead.

System action

IBM Storage Protect has detected that a virtual machine has an interrupted incremental backup chains.

User response

A full backup is performed instead of an incremental.

FMV2337E: The process was unable to take cluster resource '*resourcename*' offline. The current operation requires the resource to be offline. Turning the cluster resource off failed with rc=*rc*.

Explanation

The cluster resource was not taken offline within the time limit or an attempt was made to take offline a failed cluster resource.

System action

The current operation stops.

User response

Check that the cluster resource is not in a failed state. Verify that the cluster resource can be taken offline.

FMV2338W: The process has detected a request to backup a virtual machine replica. The state of the replica '*vmreplicaname*', ID='*vmid*' may differ from the original virtual machine. If the names of the original virtual machine and the replica are identical the same file space will be used. The data may become unrecoverable because the state of the original virtual machine and the replica may differ.

Explanation

Backups of an original virtual machine and their replica overwrite each other as their name and ID are usually identical. Virtual machine replicas are taken in definite time intervals. Between these intervals the data on the original and the replica may differ. In some occasions the difference may cause data corruption if a backup of the original is followed by a backup of the replica.

System action

A backup request of a virtual machine replica is being processed.

User response

Configure IBM Storage Protect to back up only the original virtual machine or the replica. Alternatively, one can change the name of the replica compared to the original virtual machine; and the replica will back up to a separate file space.

FMV2339W: The Hyper-V VM '*vmname*' is in a "branch" state compared to the last backup. Incremental Forever - Incremental backup cannot be performed. An Incremental Forever - Full backup will be performed instead.

Explanation

The VM state is in a "branch" compared to the last backup. This causes a fallback to Incremental Forever - Full as backup consistency in this state is not guaranteed.

System action

An Incremental Forever - Full backup will be performed.

User response

None.

FMV2340W: The target virtual machine '*VM-name*' exists, use the REPLACE option to overwrite.

Explanation

The specified target VM exists and the user specified not to allow restore to replace existing machines.

System action

The virtual machine is not restored.

User response

Specify a different virtual machine as a restore target or specify that existing virtual machines can be replaced.

FMV2341E: The target virtual machine '*VM-name*' cannot be restored: The guid differs from the backup copy.

Explanation

The specified target VM exists and has a different guid than the virtual machine was backed up with..

System action

The virtual machine is not restored.

User response

Specify a different virtual machine as a restore target or delete the specified target virtual machine.

FMV2342E: The specified restore target '*VM-name*' is ambiguous: Multiple virtual machines with the same name exist.

Explanation

The specified restore target is ambiguous, multiple virtual machine with the same name exist.

System action

The virtual machine is not restored.

User response

Specify a different virtual machine as a restore target.

FMV2343E: A snapshot of Virtual machine '*vmname*' cannot be taken because a physical disk attached.

Explanation

The Volume Snapshot Service (VSS) is unable to snapshot a virtual machine with a physical disk.

System action

The full backup of the the virtual machine finished with failures. The next virtual machine in the backup will be processed.

User response

Do not include this virtual machine in domain.vmfull for backup. A snapshot of this virtual machine cannot be taken.

FMV2344E: '*drive-name1*' is a disk witness.

Explanation

The indicated volume is a disk witness. Because the CLUSTERNODE option is set to YES, the volume cannot be backed up or archived.

System action

Processing stops.

User response

If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the IBM Storage Protect client to run in a cluster environment.

FMV2345W: The virtual machine named " was found to have an old snapshot ". A command was sent to the vCenter to remove it.

Explanation

During the snapshot clean-up process the backup-archive client found old snapshots on the virtual machine. A remove snapshot command was sent to the VMware vCenter to remove the old snapshots.

System action

Processing continues

User response

Confirm that the the virtual machine is free of all snapshots before the next scheduled backup.

FMV2346E: Expiration of VM object *VMname* failed. Reason:

Explanation

The transaction which expires the named VM object failed at the server. The reason code?????

System action

The expiration is not completed.

User response

Consult the error log for specific reasons for this failure.

FMV2347E: IBM Storage Protect application protection cannot be used. The correct Java Runtime Environment version has not been detected on *machine*. A Java Runtime Environment *version* or higher is required to run this program. If you have already installed this level of Java version on this machine, please ensure that the correct Java executable is on your PATH and start the program again.

Explanation

IBM Storage Protect application protection vm backup cannot be started because the Java runtime environment does not meet the requirements.

System action

Processing stops.

User response

Verify that the correct java executable is on your PATH or install the required version of Java runtime environment and run the backup again.

FMV2348E: Mount proxy host '*remoteversion*' does not have a supported operating system.

Explanation

The mount proxy node needs to be configured on a supported operating system.

System action

The calling procedure returns and control is passed back the user.

User response

Check the documentation for a list of supported operating systems. Configure the mount proxy node on a supported operating system.

FMV2349W: The virtual machine named " " was found to need snapshot consolidation. A command was sent to the VMware vCenter to perform consolidation.

Explanation

During the virtual machine backup process the backup-archive client found the virtual machine needed snapshot consolidation. A command was sent to the VMware vCenter to perform consolidation.

System action

Processing continues

User response

Confirm that the virtual machine is clean of all snapshots and snapshot delta files before the next scheduled backup.

**FMV2350E: Virtual machine '*VM name*' will not be backed up because it contains at least one of the following unsupported special characters
\\/:;, * ? " ' < > |**

Explanation

The specified virtual machine contains characters that are not supported for virtual machine backup and restore operations.

System action

The backup for the specified virtual machine fails.

User response

Rename the virtual machine so that it does not contain any of the specified special characters.

FMV2351E: Duplicate virtual machine name '*vmname*' was detected in the same backup operation. Backups of a virtual machine can not continue without a unique object name.

Explanation

The backup of the virtual machine failed because no unique object name is available.

System action

The backup for the specified virtual machine fails. The next virtual machine to back up will be processed.

User response

Rename the virtual machine so that it is unique among virtual machines for the node.

FMV2352E: Validation of virtual machine '*vmname*' configuration returned the following message from Hyper-V: *hypervmessage* This message indicated that the virtual machine could not be restored until the message from Hyper-V is addressed.

Explanation

When validating the virtual machine with Hyper-V a message was returned that prevents the virtual machine restore from continuing.

System action

Cannot continue with restore until the issue is resolved.

User response

Resolve the issue outlined by the message.

FMV2353W: The virtual machine to be restored '*vm-name*' exceeds the amount of vCPUs, virtual memory, or both, that are allowed by the host. The virtual machine was reset to the minimum amount that is allowed by the host so that the restore operation can continue.

Explanation

The virtual machine to be restored is configured for more vCPUs, virtual memory, or both, than are allowed by the host. The amount of vCPUs and virtual memory can be adjusted after the restore operation completes.

System action

The vCPUs, virtual memory, or both, are reset to the minimum amount that are allowed by the host. The restore operation continues.

User response

Adjust the amount of vCPUs, virtual memory, or both, after the restore operation completes.

FMV2373E: The VMware vCloud Suite plug-in library failed to connect to the Platform Services Controller (PSC) and perform a single sign-on session.

Explanation

A connection cannot be established with the Platform Services Controller.

System action

vCloud Suite API operations cannot be performed.

User response

Verify that the value of the VMHOST option is correct, that network connectivity to the host exists, and that the Platform Services Controller is running either embedded or external. To receive any additional messages that might be related to this problem, enable TRACEFLAGS VCLLOUD tracing in the client options file. To determine which Platform Services Controller the vCenter Server is referencing, examine the vCenter Server's Advanced Settings key 'config.vpxd.sso.sts.uri'. Confirm the system time between the PSC, vCenter and the client on the data mover node are in sync. Also, check the vCloud Suite plug-in error file vcsplugin.log.

FMV2374E: The VMware vCloud Suite plug-in library failed to connect to the vCenter Management Server.

Explanation

A connection cannot be established with the vCenter Management Server.

System action

vCloud Suite API operations cannot be performed.

User response

Verify that the value of the VMCHOST option is correct, and that network connectivity to the host exists. To receive any additional messages that might be related to this problem, enable TRACEFLAGS VCLOUD tracing in the client options file. Also, check the vCloud Suite plug-in log file vcsplugin.log.

FMV2375E: The VMware vCloud Suite plug-in library failed to connect to the vCenter Management Server because the instance name could not be found.

Explanation

A connection cannot be established with the vCenter Management Server because the instance name could not be found. This could be a spelling error in the host name or the Domain Name System (DNS) is not functioning.

System action

vCloud Suite API operations cannot be performed.

User response

Verify that the value of the VMCHOST option is correct and matches the name used to register the vCenter with the Platform Services Controller often this is the fully qualified domain name (FQDN). To receive any additional messages that might be related to this problem, enable TRACEFLAGS VCLOUD tracing in the client options file.

FMV2376I: The target vCenter version does not support VMware's vCloud Suite SDK so tagging operations cannot be performed by the client on the data mover node.

Explanation

The client option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines, but the vCenter version is below version 6.0.

System action

The operation continues without the vCloud Suite plug-in library and vSphere tagging support.

User response

Use a vCenter that is at or above version 6.0 or disable the 'VMTAGDATAMOVER' option in the client options file.

FMV2377I: The IBM Storage Protect category data has been created, or already existed, on the VMware Platform Services Controller.

Explanation

The categories used for tagging support in the backup-archive client are available for use on the VMware Platform Services Controller.

System action

The operation has completed.

User response

None.

FMV2378W: The single sign-on session to the Platform Services Controller (PSC) failed with the following message: *apimessage*

Explanation

The single sign-on session to the Platform Services Controller (PSC) failed. The possible reasons for this failure include the following situations:

- This issue might occur when the system clock on the on PSC host, vCenter Server host, and client host are out of sync, or the time zones settings are incorrect.
- The PSC single sign-on server accesses a non-default port. This issue might occur when the single sign-on server is installed on the same system as the VMware vCenter.

System action

The client on the data mover node will attempt a credential login as a result of the single sign-on login failure.

User response

Check the dsmerror.log file for details about why the single sign-on login attempt failed. Then, take any corrective action, if needed.

FMV2398I: The virtual machine 'VM-name' is configured as a VMware Site Recovery Manager placeholder virtual machine on the recovery site. As a result, the virtual machine will be skipped.

Explanation

VMware Site Recovery Manager creates placeholder virtual machines that have no virtual disk data. As a result, these virtual machines cannot be backed up.

System action

The backup operation skips the placeholder virtual machine and continues processing the remaining virtual machines.

User response

None

FMV2399I: The virtual machine is configured as a VMware Site Recovery Manager placeholder virtual machine on the recovery site. As a result, the virtual machine will be skipped.

Explanation

VMware Site Recovery Manager creates placeholder virtual machines that have no virtual disk data. As a result, these virtual machines cannot be backed up.

System action

The backup operation skips the placeholder virtual machine and continues processing the remaining virtual machines.

User response

None

FMV2408I: The virtual machine named 'VMNAME' is ready for Instant Access**Explanation**

The Instant Access operation for the specified virtual machine successfully completed.

System action

None.

User response

None

FMV2409E: The Instant Restore type was not identified.**Explanation**

The client encountered a connection error when querying the IBM Storage Protect server for Instant Restore and Access information.

System action

Processing stops.

User response

Verify that the client is connected to the server. Then run the operation again. Check with the command QUERY SESSION what is the cause for the connection issue. Also check the dsmeror.log for additional information

FMV2410E: Instant Restore information for the specified virtual machines was not found.**Explanation**

The IBM Storage Protect server does not contain Instant Restore information for the specified virtual machines. Or, the virtual machines were specified incorrectly.

System action

Processing stops.

User response

Issue the QUERY VM * -VMRESTORETYPE=ALLTYPE command. This command queries all active Instant Access, Restore, and Disk sessions available on the IBM Storage Protect server.

FMV2411E: Instant Restore/Access of virtual machine '*vmname*' failed with rc = *return-code*

Explanation

An error happened during processing of an Instant Restore or Access. See previous output what happens exactly.

System action

Processing stops.

User response

Check the error log for information about how to resolve this error.

FMV2412E: IBM Storage Protect Recovery Agent is not installed.

Explanation

IBM Storage Protect Recovery Agent is not installed.

System action

Processing stops.

User response

Ensure that IBM Storage Protect Recovery Agent is correctly installed and configured.

FMV2413E: Cannot find the Recovery Agent shell command in the expected installation path. Ensure that IBM Storage Protect for VE is correctly installed and configured.

Explanation

The Recovery Agent shell command was not found in the expected installation path.

System action

Processing stops.

User response

Ensure that IBM Storage Protect for VE is correctly installed and configured.

FMV2414E: An error occurred when the hostname for the local machine was called.

Explanation

The system call gethostname failed.

System action

Processing stops.

User response

Verify that the configuration of the network interface is correct.

FMV2415E: An error occurred when the machine address information was called.**Explanation**

The system call getaddrinfo failed.

System action

Processing stops.

User response

Verify that the configuration of the network interface is correct.

FMV2416E: An error occurred when the machine name information was called.**Explanation**

The system call getnameinfo failed.

System action

Processing stops.

User response

Verify that the configuration of the network interface is correct.

FMV2417E: Unexpected communication method. Only TCP and TCPv6 are accepted.**Explanation**

An unexpected communication method was detected.

System action

Processing stops.

User response

Verify that the communication method for IBM Storage Protect is correct. Use either TCP or TCPv6.

FMV2418E: Unable to read or write to the local instant restore data. *filename* File cannot be accessed or is damaged.

Explanation

Instant access and instant restore operations require read/write access on the local data mover to store data.

System action

Processing stops.

User response

To store the instant restore restore data, the data mover application requires read and write access to the C:\Documents and Settings\AllUsers\Application Data\Tivoli\TSM\ or C:\ProgramData\Tivoli\TSM folder. Set the access rights to this directory so that your user has the correct rights. If the file was damaged it can be helpful to replace the current version with the .bak file.

FMV2419E: The datastore does not have enough free space for the instant restore operation.

Explanation

The space on the selected datastore is not sufficient for the instant restore operation.

System action

Processing stops.

User response

Increase the datastore space or choose a different datastore.

FMV2420E: Cannot detect storage device information.

Explanation

Storage device information cannot be retrieved.

System action

Processing stops.

User response

Ensure that the communication with the ESX host is working. Also, review the log messages on the ESX host.

FMV2421E: The iSCSI initiator cannot be detected on the hypervisor host.

Explanation

The iSCSI initiator name of the hypervisor host cannot be detected.

System action

Processing stops.

User response

VMware: Review the log file on the ESX host to ensure that the communication with it is working. Hyper-V: Ensure that the iSCSI initiator service is running and working properly.

FMV2422E: Cannot detect the iSCSI Host Bus Adapter.

Explanation

The iSCSI adapter was not detected.

System action

Processing stops.

User response

Ensure that the communication with the ESX host is working. Also, review the log messages on the ESX host.

FMV2424E: Cannot find the ESX host '*ESXHOST*' in the vCenter.

Explanation

The specified ESX host cannot be found in the vCenter.

System action

Processing stops.

User response

Ensure that the specified ESX host is in the vCenter. Ensure that the name of the ESX host is correct. Alternatively, specify another ESX host.

FMV2425E: Cannot connect to the ESX host '*ESXHOST*'

Explanation

A connection to the specified ESX host cannot be made

System action

Processing stops.

User response

Ensure that the specified ESX host is connected to the vCenter and the network. Alternatively, specify another ESX host.

FMV2426E: The ESX host '*ESXHOST*' is not powered on.

Explanation

The specified ESX host is not powered on.

System action

Processing stops.

User response

Turn on the power to the ESX host. Alternatively, specify another ESX host.

FMV2427E: The ESX host '*ESXHOST*' is in maintenance mode.**Explanation**

The specified ESX host is in maintenance mode. A connection cannot be made to this host.

System action

Processing stops.

User response

Change the ESX host back to normal mode and try again. Alternatively, specify another ESX host.

FMV2428E: The ESX host '*ESXHOST*' is not connected.**Explanation**

The specified ESX host is not connected in the vCenter.

System action

Processing stops.

User response

Connect the ESX host in the vCenter and try again. Alternatively, specify another ESX host.

FMV2430E: Cannot find the datacenter '*DATACENTER*'.**Explanation**

The specified Datacenter cannot be found in the vCenter.

System action

Processing stops.

User response

Ensure that the specified datacenter is in the vCenter. Alternatively, specify another datacenter.

FMV2431E: Cannot find the temporary datastore '*TEMPDATASTORE*' on the ESX host '*ESXHOST*'.**Explanation**

The specified temporary datastore cannot be found on the specified ESX host.

System action

Processing stops.

User response

Ensure that the specified datastore is on the ESX host. Alternatively, specify another datastore.

FMV2432E: The temporary datastore '*TEMPDATASTORE*' is the same as the target datastore '*DATASTORE*'.

Explanation

The specified temporary datastore must be a different datastore than the one where the machine is restored to. You must specify two different datastores for Storage vMotion to work.

System action

Processing stops.

User response

Specify another datastore as a temporary datastore.

FMV2433E: The '*-vmtempdatastore*' option must be specified for an instant restore operation.

Explanation

You must specify two different datastores for Storage vMotion to work. Use the '*-vmtempdatastore*' option to specify a temporary datastore.

System action

Processing stops.

User response

Specify a temporary datastore.

FMV2434E: The datastore '*DATASTORE*' was not found on the host '*ESXHOST*'.

Explanation

The specified datastore cannot be found on the ESX host.

System action

Processing stops.

User response

Ensure that the specified datastore is on the ESX host. Alternatively, specify another datastore.

FMV2435E: IBM Storage Protect Recovery Agent detected the following failure while attempting to mount a snapshot of VM 'VM' from disc='disk-label': FBCxxxxE-error-message

Explanation

The attempt to mount a VM disk as an iSCSI device failed.

System action

The operation stops.

User response

Check the Recovery Agent logs and the FBCxxxxE error message, resolve the problem, and try the operation again.

FMV2436E: IBM Storage Protect Recovery Agent detected the following failure while trying to dismount a snapshot of VM 'VM' from target 'target': FBCxxxxE-error-message

Explanation

The snapshot for the specified VM could not be dismounted from the iSCSI target.

System action

The operation stops.

User response

Check the Recovery Agent logs and the FBCxxxxE error message, resolve the problem, and try the operation again.

FMV2442W: The Linux mount proxy node information is not available.

Explanation

The Windows mount proxy was unable to retrieve its partner Linux mount proxy node information.

System action

A connection to the Linux mount proxy is not established.

User response

Ensure that the Linux mount proxy node is set up and the DSMCAD service is running on the Linux mount proxy node. Then, try this operation again.

FMV2444E: Cannot find the datacenter for host 'ESXHOST'.

Explanation

Unable to determine the datacenter where the ESX host is located.

System action

The operation was stopped.

User response

Check that the vCenter of the ESX host is in a datacenter and that the user has the proper authority to access this information.

FMV2445E: Virtual machine 'VM' is running. You cannot delete this VM.**Explanation**

You cannot delete a virtual machine that is running.

System action

The operation was stopped.

User response

Ensure that you have the proper authority to power off virtual machines, then power off and delete the VM.

FMV2447E: Failed to delete VM 'VM' from the ESX host.**Explanation**

You cannot delete the virtual machine from the ESX host.

System action

The operation was stopped.

User response

Ensure that you have the proper authority to delete virtual machines, then delete the VM.

FMV2448E: Mount command failed. Command was *COMMAND* Shell command returned: *RESULT***Explanation**

The mount command was not successful.

System action

The operation was stopped.

User response

Determine the problem from the error details returned for the mount command. Resolve the problem, then run the command again.

FMV2452E: *num_discovered* iSCSI devices were discovered on the ESX host, while *num_mounted* were expected.

Explanation

After the ESX host bus adapter was scanned, the number of devices that were discovered is different from the number of mounted devices.

System action

The Instant Restore or Instant Access process is stopped.

User response

Verify that the IBM Storage Protect mount is configured to use the correct ESX host IP. To clean the environment, you must run the cleanup process.

FMV2453E: An error occurred when the host bus adapter was scanned.

Explanation

An error occurred when the ESX host bus adapter was scanned.

System action

The Instant Restore, Instant Access, or cleanup process is stopped.

User response

Run the cleanup process after you fix any problems with the ESX host bus adapter.

FMV2454E: An error occurred when the iSCSI target *target_name* was disconnected from the ESX host bus adapter.

Explanation

An error occurred when a specific iSCSI target was disconnected from the ESX host bus adapter.

System action

The cleanup operation is stopped.

User response

Run the cleanup process after you fix any problems with the ESX host bus adapter.

FMV2455I: The virtual machine has been started. You can use the machine after it has booted, or you can connect to it and manage its settings through the vCenter console.

Explanation

The virtual machine is being started.

System action

Processing continues.

User response

While the boot is in progress, you can connect to the virtual machine and view or manage BIOS settings, manage the bootloader options, or perform other tasks. After the boot process completes, you can use the virtual machine and its applications and resources.

FMV2462E: Unable to start the vMotion task for virtual machine '*vm_name*'.

Explanation

An instant restore of the specified virtual machine was attempted but failed. The client could not start a vMotion task to migrate the virtual machine.

System action

The Instant Restore operation stops.

User response

Examine the client dsmerror.log file to see if a log entry indicates why the vMotion task failed. Additional information about the failure might also be available in the vCenter server, on the Task and Events tab for the ESXi host that you were migrating the VM from. If possible, use the log and event records to determine what caused the vMotion task to fail and fix it. Then, clean up the virtual machine (use the Restore VM command with the -VMRESToretype=VMCleanup option) and restart the vMotion task. If you cannot restart the task, suspend the virtual machine and use the vSphere web client to start the virtual machine migration from one host to another.

FMV2463W: Instant Restore information cannot be saved on the server.

Explanation

An error occurred when Instant Restore information was being saved on the server. The Instant Restore process is still running.

System action

The operation continues.

User response

The client dsmerror.log file might contain information to help troubleshoot the reason for this error. Let the Instant Restore process complete on its own. You might need to run a clean up operation on the virtual machine. Use the Restore VM command, and specify the -VMRESToretype=VMCleanup option.

FMV2464E: Unable to delete Instant Restore information from the server.

Explanation

An error occurred while attempting to delete Instant Restore information from the server.

System action

The Instant Restore operation continues.

User response

The most likely reason for this error is that an FMV2463W warning previously occurred, and there is no data to delete. If you have not previously seen an FMV2463W message, the client dsmerror.log file might contain information to help you troubleshoot this error. Clean up the virtual machine to remove old information from the server. Use the Restore VM command, and specify the -VMRESToretype=VMCleanup option.

FMV2465E: An error occurred during a storage vMotion operation.

Explanation

A storage vMotion task failed while trying to migrate a running virtual machine.

System action

The Instant Restore operation stops.

User response

Examine the client dsmerror.log file to see if a log entry indicates why the vMotion task failed. Additional information about the failure might also be available in the vCenter server, on the Task and Events tab for the ESXi host that you were migrating the VM from. If possible, use the log and event records to determine what caused the vMotion task to fail and fix it. Then clean up the virtual machine (use the Restore VM command with the -VMRESToretype=VMCleanup option) and restart the vMotion task. If you cannot restart the task, suspend the virtual machine and use the vSphere web client to start the VM migration from one host to another.

FMV2466W: If you continue you will lose all data created on this virtual machine. The virtual machine will also be removed from the ESXi host. Are you sure that you want to do this? Press Y the virtual machine data and remove it from the ESXi host. Press any other key to continue without deleting data or the VM.

Explanation

You are performing an operation that, if allowed to continue, will delete all data that was created after this virtual machine was created.

System action

If Y is pressed, the Instant Restore operation is stopped, and a cleanup operation is performed

User response

Respond to the prompt. Press Y to destroy all data and delete the virtual machine from the server. Press any other key to continue without deleting.

FMV2467W: Unable to delete the snapshot that was created for the virtual machine named 'vm_name'

Explanation

When a virtual machine is restored by an instant restore operation, a snapshot is created to store all data that were written to the virtual machine disks. When the restore is completed, the ESXi host deletes the snapshot. The snapshot for the specified virtual machine could not be deleted.

System action

Operation continues.

User response

Examine the vSphere log to determine why it is not possible to delete the snapshot and resolve the problems that prevent the deletion. Then, delete the snapshot by using the snapshot manager.

FMV2468E: The necessary iSCSI targets could not be found on the ESX host.**Explanation**

An instant restore operation was initiated and one or more of the required iSCSI targets could not be found on the ESXi host.

System action

Processing stops.

User response

Verify that the IP address that was specified with the -VMISCSISERVERADDRESS parameter is correct.

FMV2469E: Unable to remove the iSCSI target.**Explanation**

An error occurred while trying to remove an iSCSI target.

System action

Processing stops.

User response

Check vSphere client log file for the reason this operation failed and remove the iSCSI target. To remove the failed iSCSI static targets go to your ESXi host Configuration -> Storage Adapters -> Select the iSCSI Adapter -> right click on it -> Click Properties -> Static Discovery and select the failed iSCSI targets and remove them.

FMV2471E: Unable to stop the vMotion Task '*task*'.**Explanation**

The specified vMotion task could not be stopped.

System action

The instant restore operation is stopped.

User response

Examine the vSphere log to determine why the migration cannot be stopped. Resolve the problem and cancel the vMotion task. Then, use the -VMRESToretype=VMFULLCleanup option on the Restore VM command to remove any files or other resources that were created by the instant restore operation.

FMV2472E: Cannot detect the LUN for the attached RDM devices for virtual machine named *vmname*'. The restore operation for this virtual machine cannot be completed.

Explanation

The LUNs for the RDM devices use by the specified virtual machine are either missing, are mapped to an other machine, or the device name and the LUN do not match.

System action

The restore operation is stopped.

User response

For restore operations where `vmrestoretype=instantrestore` or `vmrestoretype=instantaccess`, verify that the iSCSI server address and the VMkernel port binding match. Verify this information by checking the following things: 1. Check the Data Protection for VMware configuration file `RecoveryAgent.conf` and verify that the iSCSI server address is bound to the correct network card and segment. 2. Use the vSphere client to connect to your ESXi host. In vSphere, select Configuration->Storage Adapters to display a list of the iSCSI adapters. Right click the adapter that you are verifying. Then, select Properties ->Network Configuration. In the VMkernel Port Bindings Details output, verify that the VMkernel Adapter is on the same subnet that the datamover node is on.

FMV2473E: Unable to create a Snapshot of the virtual machine named '*vm_name*'.

Explanation

An instant restore operation was attempted for the specified virtual machine. The snapshot that is used to restore the virtual machine could not be created.

System action

The instant restore operation stops.

User response

Examine the vCenter logs to determine why the snapshot could not be created and try the instant restore operation again.

FMV2474E: Unable to cleanup after an instant restore operation for the virtual machine named '*vm_name*', because vMotion task is still running.

Explanation

An instant restore operation is still running for the specified virtual machine.

System action

The cleanup operation stops.

User response

Use the query command to check on the status of the instant restore operation. Examine the vCenter to determine the status of the vMotion task. If you want to stop the instant restore, cancel the operation in the DP VMware GUI or stop the vMotion task from the vCenter interface. Then, start the cleanup operation again.

FMV2476E: A restore location must be specified via the TARGETPATH option when restoring to a different virtual machine name.

Explanation

A restore location must be specified via the TARGETPATH option when restoring to a different virtual machine name specified by the VMNAME option.

System action

The virtual machine is not restored.

User response

Specify a restore location with the TARGETPATH option.

FMV2484I: Virtual Machine '*vm_name*' was successfully restored

Explanation

The Virtual Machine was successfully restored.

System action

None.

User response

None

FMV2485E: Cannot query the IBM Storage Protect server to get instant access information

Explanation

The server did not respond to the query for instant access information.

System action

The virtual machine cleanup operation is halted.

User response

Examine the dserror.log file and the IBM Storage Protect server activity logs to determine the cause of this error.

FMV2488E: Error mounting the iSCSI device.

Explanation

An error occurred while trying to mount the iSCSI device. Check the dserror.log file to determine the cause of this error.

System action

The operation was stopped.

User response

No action is required.

FMV2490E: The VM 'VM' cannot be powered off.**Explanation**

The specified virtual machine cannot be powered off. Attempts to clean up the resources that were created to restore the virtual machine cannot be completed.

System action

The restore operation was stopped.

User response

Turn off the virtual machine by using your hypervisor management client.

FMV2513I: The virtual machine has no disks attached**Explanation**

The virtual machine exists, but it does not have any disks attached. The machine can be cleaned up.

System action

None.

User response

None

FMV2514I: Disk status cannot be determined**Explanation**

It is not possible to determine the status of this disk.

System action

None.

User response

Examine the vSphere Client log to determine what is wrong with the machine. If the log entries do not reveal problems with this virtual machine, inspect the virtual machine in the vSphere Client to determine why the disk status cannot be determined. See the vSphere documentation for additional guidance, if necessary.

**FMV2515I: No additional information is available for this virtual machine.
The virtual machine was deleted or it has been renamed****Explanation**

Information about the virtual machine cannot be found on the ESXi host. The virtual machine might have been previously deleted or renamed.

System action

None.

User response

Use the vSphere Client to determine what happened to this virtual machine. If the virtual machine was renamed, make sure that it is running without errors before you clean up the temporary resources, by using the Restore VM command with the -VMRESToretype=VMCLEANUP option.

FMV2516E: VMware storage vMotion operation failed. Restart the storage vMotion operation manually, by using the vSphere web client, to finish the restore operation. Refer to the documentation to get details about the manual recovery process.

Explanation

IBM Storage Protect Changes to the restored VM might not be permanently saved.

System action

IBM Storage Protect Automatic cleanup cannot be performed for the failed vMotion operation.

User response

Examine the event logs to determine the cause for the failure. Fix any problems and restart the storage vMotion operation manually, by using the vSphere web client, to finish the restore operation. Refer to the vMotion documentation to get details about the manual recovery process.

FMV2517E: Cannot query the IBM Storage Protect server to get instant restore information

Explanation

The server did not respond to the query for instant restore information.

System action

The virtual machine clean up operation stops.

User response

Examine the dsmmerror.log file and the IBM Storage Protect server activity logs to determine the cause of this error.

FMV2519E: The disk `\"diskname\"` is an iSCSI device with an inactive path. Powering off the virtual machine will cause the ESXi server to hang. The clean up operation has been stopped to prevent this. Use the Query VM command with the -detail option to obtain detailed status information about the virtual machine. Correct the path so that the iSCSI state is active and then try running the VMFULLCleanup operation again.

Explanation

A running virtual machine that has an inactive iSCSI device cannot be cleaned up.

System action

The virtual machine full clean up (VMRESTORTYPE=VMFULLCleanup) operation stops.

User response

For information about troubleshooting inactive iSCSI resources, search the VMware support pages by using a search string like "troubleshooting iSCSI" or "inactive iSCSI".

FMV2520E: The disk `\"diskname\"` is not a physical device. An instant restore clean up was stopped because vMotion could not restore all virtual machine data.. Use the Query VM command with the -detail option to obtain information about state of the specified disk. Use vMotion to manually migrate the virtual machine devices and then try the clean up operation again.

Explanation

An instant restore clean up operation (-VMRESToretype=VMCleanup) cannot complete because vMotion could not restore all of the virtual machine resources.

System action

The virtual machine clean up operation stops.

User response

Use the VMware documentation to determine how to use vMotion to migrate the virtual machine. Then, try the clean up operation again by using the Restore VM command with the -VMRESToretype=VMCleanup option. If you do not want to restore this virtual machine, use the Restore VM command with the -VMRESTORTYPE=VMFULLCleanup option to remove the virtual machine and all of its resources.

FMV2521E: Instant restore operations require valid licenses for both vMotion and storage vMotion.

Explanation

Instant restore works only when the ESXi host has a valid license for both vMotion and storage vMotion

System action

The instant restore operation is stopped.

User response

Obtain the necessary license from VMware and assign the license to the ESXi host.

FMV2522W: A user canceled the '*operationType*' operation .**Explanation**

A user canceled the restore/backup operation .

System action

The operation is stopped

User response

No response is required.

FMV2523E: The virtual machine named *vm* cannot not be restored to the same configuration it had when it was backed up. IBM Storage Protect will reconfigure the virtual machine to include only the most essential configuration information and retry the restore operation.**Explanation**

The restore operation failed to restore the virtual machine to its original configuration. This error can occur if there is incompatibility between the hardware that the virtual machine was on when it was backed up, and the hardware on the physical host where it was restored. IBM Storage Protect will reconfigure the virtual machine to eliminate all but most necessary configuration information (video and virtual disks) and retry the restore operation.

System action

The restore operation continues, using the reconfigured virtual machine information.

User response

When the restore completes, reconfigure the restored virtual machine to your requirements.

FMV2524E: An attempt to mount a snapshot of VM '*disk*' from disk '*vm*' failed. The volume might be mounted from another operation and cannot be remounted.**Explanation**

An attempt to mount a snapshot of VM '*disk*' from disk '*vm*' failed. The volume might be mounted from another operation and cannot be remounted..

System action

The mount operation stops.

User response

Dismount the volume by running a mount cleanup operation, then run the mount operation again.

FMV2525E: The created virtual machine cannot be powered on.

Explanation

The hypervisor is unable to power on the created virtual machine.

System action

The operation will be rolled back and stopped.

User response

Check the dsmerror.log file for more information. Check the hypervisor log to determine what error occurred during the power-on process of the virtual machine.

FMV2526W: The VM_DONT QUIESCE_ON_SNAPSHOT testflag is deprecated for full VM backups. Use the INCLUDE.VMSNAPSHOTATTEMPTS option to attempt snapshots with "VMware Tools file system quiescing and application (VSS) quiescing disabled".

Explanation

The VM_DONT QUIESCE_ON_SNAPSHOT testflag overrides the INCLUDE.VMSNAPSHOTATTEMPTS option. As a result, all snapshot attempts are with VMware Tools file system quiescing and application (VSS) quiescing disabled.

System action

Use the INCLUDE.VMSNAPSHOTATTEMPTS option to specify snapshot attempts with VMware Tools file system quiescing and application (VSS) quiescing disabled.

User response

See the INCLUDE.VMSNAPSHOTATTEMPTS documentation for information about how to set this option.

FMV2527I: The login request started.

Explanation

The user submitted a request to log in to the file restore interface.

System action

Processing continues.

User response

No action is required.

FMV2528I: The login request was completed successfully. VM-OS=*os* Data-Center=*datacenter*

Explanation

The user successfully logged into the file restore interface.

System action

None.

User response

No action is required.

FMV2529I: The login request failed.

Explanation

An error occurred while logging into the file restore interface.

System action

None.

User response

Review the log for related login and authentication errors.

FMV2530I: The log out request started.

Explanation

The user either logged out of the file restore interface or the file restore interface timed out due to inactivity.

System action

Processing continues.

User response

No action is required.

FMV2531I: The log out request was completed successfully.

Explanation

The user was successfully logged out of the file restore interface.

System action

None.

User response

No action is required.

FMV2532I: The log out request failed.

Explanation

An error occurred while logging out of the file restore interface.

System action

Log out processing was completed with errors.

User response

Review the log for related log out errors.

FMV2533I: The mount request started. Backup-ID=*backupId*

Explanation

The user selected a backup to load.

System action

Processing continues.

User response

No action is required.

FMV2534I: The mount request was completed successfully. Backup-Date=*backupDate* Mount-ID=*mountId*

Explanation

The backup was successfully mounted.

System action

None.

User response

No action is required.

FMV2535I: The mount request failed. Backup-Date=*backupDate* Mount-ID=*mountId*

Explanation

An error occurred while mounting the backup.

System action

Mount processing stops.

User response

Review the log for related mount errors.

FMV2536I: The dismount request started. Backup-ID=*backupId* Backup-Date=*backupDate* Mount-ID=*mountId*

Explanation

The user either selected another backup to load or logged out of the file restore interface.

System action

Processing continues.

User response

No action is required.

FMV2537I: The dismount request was completed successfully. Backup-ID=*backupId* Backup-Date=*backupDate* Mount-ID=*mountId*

Explanation

The backup was successfully dismounted.

System action

None.

User response

No action is required.

FMV2538I: The dismount request failed. Backup-ID=*backupId* Backup-Date=*backupDate* Mount-ID=*mountId*

Explanation

An error occurred while dismounting the backup.

System action

Dismount processing stops.

User response

Review the log for related dismount errors.

FMV2539I: The restore request started. Selection-Size=*selectionSize* Alt-Destination=*altDestination*

Explanation

The user submitted a request to restore files, directories, or both from a backup.

System action

Processing continues.

User response

No action is required.

FMV2540I: The restore request was completed successfully.**Explanation**

The restore request was successfully submitted.

System action

None.

User response

No action is required.

FMV2541I: The restore request failed.**Explanation**

An error occurred during the restore request.

System action

Restore processing stops.

User response

Review the log for related restore errors.

FMV2542I: The final restore processing statistics are available. Total Objects=*totalObjects* Total Restored=*totalRestored* Total Failed=*totalFailed* Total Bytes=*totalBytes* Completion Code=*completionCode***Explanation**

The restore processing statistics contain completion codes that indicate the state of the restore operation.

- A completion code of 0 indicates that all items were successfully restored.
- A completion code of 8 indicates that the restore operation was completed but some items were not restored.
- A completion code of 12 indicates that the restore operation was unsuccessful.

System action

None.

User response

If the completion code is not 0, review the logs for related restore errors.

FMV2543E: A status of '*state*' is returned because the Microsoft iSCSI Initiator Service is not running.

Explanation

The Microsoft iSCSI Initiator Service is not running.

System action

Operation cannot continue.

User response

Start the Microsoft iSCSI Initiator Service.

FMV2544E: A status of '*state*' is returned because the Microsoft iSCSI Initiator Service is not installed.

Explanation

The Microsoft iSCSI Initiator Service is not installed.

System action

Operation cannot continue.

User response

Install the Server Role 'File and iSCSI Services'

FMV2545I: A crash consistent snapshot is created for the backup of virtual machine '*VM name*'.

Explanation

A crash consistent snapshot is created for the backup of the virtual machine.

System action

The virtual machine backup continues.

User response

If an application consistent backup was requested but failed, check the dsmerror.log file and the Hyper-V event logs for the reason for the failure.

FMV2546W: An incorrect disk location label '*location label*' is specified with option '*option name*'

Explanation

The disk location label must begin with 'SCSI' or 'IDE' followed by the controller number and device location number.

System action

The specified disk location label is ignored.

User response

Verify that the disk location label is correctly specified. Check the disk location label format. Ensure that the label begins with 'SCSI' or 'IDE', and is followed by the controller number and device location number, which are expressed as digital numbers. For example, 'SCSI 0 0' or 'IDE 0 1'.

FMV2547E: The Hyper-V role is not installed on the specified Windows server host '*host*'.

Explanation

Hyper-V is a feature of the Windows server that needs to be explicitly enabled by installing the Hyper-V role.

System action

Processing stops.

User response

Install the Hyper-V role on the Windows server host. Alternatively, specify another Hyper-V host.

FMV2548E: The status query for Hyper-V on the host '*host*' failed due to lack of privileges.

Explanation

The User ID running this command does not have the necessary privileges to access Hyper-V information on the host.

System action

Processing stops.

User response

Ensure that the current User ID is granted the necessary privileges. Alternatively, try another user or specify another host.

FMV2549E: The connection to Hyper-V on host '*host*' failed with rc= *rc*.

Explanation

The connection to the Hyper-V host failed with a system specific error.

System action

Processing stops.

User response

Ensure that the network is configured correctly. Ensure that the Hyper-V host is connected to the network, is configured correctly, and is powered on.

FMV2550W: The virtual machine backup operation will skip physical (pass-through) disk '*drive name*' on drive number '*drive number*'

Explanation

Physical disks cannot be backed up during virtual machine backup operations using Resilient Change Tracking (RCT).

System action

The virtual machine backup operation continues without backing up the physical disks.

User response

Identify the physical disks and back them up by using another method.

FMV2551W: Cannot remove recovery checkpoint for virtual machine '*VM-name*'.

Explanation

IBM Storage Protect cannot remove the recovery checkpoint that was created during backup.

System action

The virtual machine backup continues.

User response

Remove the recovery checkpoint manually after backup.

FMV2552E: Backup of a virtual machine that has a shared virtual hard disk is not supported.

Explanation

IBM Storage Protect does not support backup of a virtual machine that has a shared virtual hard disk.

System action

The backup will not occur.

User response

Use alternative backup method, such as in-guest backup.

FMV2553W: Resilient Change Tracking (RCT) has been turned off for disk '*drive name*'. Instead of an incremental backup, a full backup is run on this disk.

Explanation

RCT has been turned off for the disk. If disk RCT is disabled, no changes will be tracked after it is disabled, and existing change tracking data will be lost. Therefore, an incremental backup cannot run.

System action

Instead of an incremental backup, a full backup will run for this disk. RCT will be turned on automatically for this disk during the backup.

User response

No action is required.

FMV2554W: No previous backups are found for disk '*drive name*'. Instead of an incremental backup, a full backup is run for this disk.

Explanation

No backups are found for the disk on the IBM Storage Protect server. Therefore, an incremental backup cannot run.

System action

Instead of an incremental backup, a full backup will run for this disk.

User response

No action is required.

FMV2555W: The incremental backup operation was changed to a full backup for virtual machine '*vmname*' because no previous backups are found on the IBM Storage Protect server.

Explanation

No backups are found for the VM on the IBM Storage Protect server, so an incremental backup cannot be run. A full backup will be run instead.

System action

A full backup operation will proceed for the VM.

User response

No user action is required.

FMV2556E: The cluster operating system is in the process of a rolling upgrade and working in mixed-OS mode. Virtual machine '*vm_name*' cannot be backed up until the upgrade completes.

Explanation

The cluster operation system is using rolling upgrade, including working in mixed-OS mode. The backup cannot run during this upgrade operation.

System action

The rolling upgrade continues, but the virtual machine is not backed up.

User response

Wait for the rolling upgrade to complete, then start the virtual machine backup again.

FMV2557E: The virtual machine '*VM-name*' contains one or more physical (pass-through) disks. Backups are not supported in this configuration. Specify the '*vmprocessvmwithphysdisks=yes*' option to exclude these disks from the backup.

Explanation

Physical disks are not included in Resilient Change Tracking (RCT) backup operations so they cannot be backed up by the IBM Storage Protect client.

System action

The virtual machine is not backed up.

User response

Turn off the virtual machine and change the physical disks to virtual mode or remove them from the virtual machine. Alternatively, specify the '*vmprocessvmwithphysdisks=yes*' option to exclude these disks from backup operations.

FMV2558E: The virtual machine '*VM-name*' contains one or more physical (pass-through) disks. However, these physical disks are not all available during the restore operation and the restore failed. Specify the '*vmskipphysdisks=yes*' option to exclude these disks from the restore.

Explanation

Physical disks are not all available during restore operations so the IBM Storage Protect client does not restore the virtual machine successfully.

System action

The restore operation failed.

User response

Check the physical disks and make sure that they are available. Alternatively, specify the 'vmskipphysdisks=yes' option to exclude these disks from restore operations.

FMV2559E: The remote attach operation failed.

Explanation

An error occurred while trying to attach the IBM Storage Protect virtual volume snapshot to the mount proxy. The restore operation cannot continue.

System action

Processing stops.

User response

Check the mount proxy dsmerror.log file for information about how to resolve this issue.

FMV2560W: The remote detach operation failed.

Explanation

An error occurred while trying to detach the IBM Storage Protect virtual volume snapshot from the mount proxy virtual machine. The restore operation will continue.

System action

Processing continues.

User response

Check the mount proxy dsmerror.log file for information about how to resolve this issue and manually remove resources that remain after the failed detach operation.

FMV2561I: The snapshot for virtual machine '*vmname*' failed due to a temporary condition. The snapshot will be retried.

Explanation

The snapshot for the virtual machine failed due to a temporary condition. The snapshot will automatically be retried.

System action

Processing continues to the next virtual machine.

User response

No action is required.

FMV2563I: Starting retry snapshot number *retryCount* for virtual machine '*vmname*'.

Explanation

The previous snapshot of the virtual machine finished with an error. Another snapshot for of the virtual machine will be attempted.

System action

Another snapshot attempt of the virtual machine is started.

User response

No action is required.

FMV2564I: Gathering virtual machine information...

Explanation

The client is beginning the process of gathering information about the virtual machines to be processed. This length of time needed depends upon the number of virtual machines in the backup.

System action

Processing continues.

User response

No action is required.

FMV2565I: Creating virtual machine snapshot...

Explanation

The client is beginning the process of creating a snapshot for the virtual machines in the backup. This length of time needed depends upon the number of virtual machines in the backup.

System action

Processing continues.

User response

No action required.

FMV2566E: The snapshot of virtual machine '*vmname*' failed after the maximum number of retries (*retryCount*) was reached.

Explanation

Several attempts to take a snapshot failed. Because the maximum number of retries was reached, the operation will not be retried.

System action

The snapshot of the virtual machine finished with an error. Processing continues to the next virtual machine..

User response

Check the Windows event log for the reason for the failure. Resolve the problem, and run the backup operation again.

FMV2567E: The backup of *vm-name* failed because another backup is currently in progress on the Hyper-V manager host machine.

Explanation

There is a concurrent backup going on the Hyper-V manager host machine.

System action

The backup operation stops.

User response

Try the backup operation again after the current backup ends. Alternatively, if no other backups are in progress, there might be a recovery checkpoint created by a previous failed backup. In that case, remove the checkpoint with the Remove-WMCheckPoint cmdlet, and try the backup operation again.

FMV2568I: The backup request for VM '*vmName*' started.

Explanation

The user submitted a request to back up a VM.

System action

Processing continues.

User response

No action is required.

FMV2569I: The backup request was completed successfully.

Explanation

The backup request was successfully submitted.

System action

None.

User response

No action is required.

FMV2570I: The backup request failed.

Explanation

An error occurred during the backup request.

System action

Backup processing stops.

User response

Review the log for related backup errors.

FMV2580E: The query for Hyper-V information on host '*host*' failed with rc= *rc*.

Explanation

The query for Hyper-V status information failed with a system specific error.

System action

Processing stops.

User response

Verify the health and configuration of the specified host.

FMV2581E: The Hyper-V host is reporting issues that prevent it from proceeding with the operation.

Explanation

Issues have been detected on the specified Hyper-V host. The system cannot support the intended operation.

System action

Processing stops.

User response

Verify that the installation and configuration of the Hyper-V host system is correct. Check the dsmmerror.log file for additional information, and contact the IBM Storage Protect administrator with the information in the messages that have been sent.

FMV2582E: The Hyper-V host '*host*' is faulty: EnabledState = *EnabledState* (expected: 2), HealthState = *HealthState* (expected: 5), OperationalStatus = *OperationalStatus* (expected: 2).

Explanation

A faulty state has been detected for the specified Hyper-V host.

System action

Processing stops.

User response

Verify the health and configuration of the specified host.

FMV2583E: The restore target path '*state*' does not have enough free space for the restore operation.

Explanation

The space on the selected restore target path is not sufficient for the restore operation.

System action

Processing stops.

User response

Increase the free space to at least 50 MB in the restore target path, or choose a different path.

FMV2584E: The restore target path '*state*' could not be found, or the path has not been created.

Explanation

The selected restore target path could not be found, or the path could not be created.

System action

Processing stops.

User response

Create the restore target path manually or choose a different path.

FMV2585E: *num_discovered* iSCSI devices were discovered on the Hyper-V host Microsoft iSCSI Initiator, while *num_mounted* were expected.

Explanation

The logged in iSCSI targets in the Microsoft iSCSI Initiator do not match the amount of expected logged in iSCSI targets.

System action

Operation cannot continue.

User response

Verify that the IBM Storage Protect mount is configured to use the correct Hyper-V host IP. To clean the environment, you must run the cleanup process.

FMV2586E: The application consistent snapshot of virtual machine '*vmname*' failed because the volume shadow copy requestor integration service is not enabled on the guest virtual machine.

Explanation

The volume shadow copy requestor integration service must be enabled on the guest virtual machine in order to take application consistent snapshots.

System action

The snapshot of the virtual machine finished with an error. Processing continues to the next virtual machine.

User response

Contact the Hyper-V administrator to turn on the volume shadow copy requestor integration service of the Hyper-V virtual machine. When the service is enabled, run the VM backup operation again.

FMV2587E: The application consistent snapshot of virtual machine '*vmname*' failed, possibly because the volume shadow copy requestor integration service is not installed or is not running on the guest virtual machine.

Explanation

The volume shadow copy requestor integration service must be installed and enabled on the guest virtual machine in order to take an application consistent snapshot.

System action

The snapshot of the virtual machine finished with an error. Processing continues to the next virtual machine.

User response

Contact the Hyper-V administrator to install and configure the volume shadow copy requestor integration service on the Hyper-V virtual machine. When the service is installed and enabled, run the VM backup operation again. Alternatively, perform a crash consistent snapshot of the virtual machine.

FMV2600S: Browser trying to establish connection to client; received socket exception: *exception-name*

Explanation

The browser received the exception when trying to connect to the IBM Storage Protect client computer.

System action

The operation ends.

User response

Validate that the LAN is up and that you are trying to connect to the correct port number.

Check the error logs for any additional information: `dsmererror.log`, `dsmwebcl.log`, or `dsmj.log`. The default location of these logs is the installation directory of the backup-archive client.

Ensure that the command line client runs without problems. Test the command line client with a command like "dsmc q sess".

FMV2601S: The browser tried to connect to the client and received unknown host exception: *exception-name*

Explanation

The browser received the exception when trying to connect to the IBM Storage Protect client machine.

System action

The operation ends.

User response

Try the operation again. If it persists, determine what might be causing this kind of problem. For example, determine if your LAN went down, or verify if you are trying to connect to the correct IBM Storage Protect client machine.

FMV2602S: The browser tried to connect to the client and received I/O exception: *exception-name*

Explanation

The browser received the exception when trying to connect to the IBM Storage Protect client machine.

System action

The IBM Storage Protect operation ends.

User response

Determine what might be causing this kind of exception. Try the operation again, and check if the LAN is down.

FMV2603S: The browser tried to connect to the client and received exception: *exception-name*

Explanation

The browser received the exception when trying to connect to the IBM Storage Protect client machine.

System action

The IBM Storage Protect operation ends.

User response

Determine what might be causing this kind of an exception. Determine if the LAN is down, or if the IBM Storage Protect client acceptor on the IBM Storage Protect machine is up and running.

FMV2604S: The Web client agent was unable to authenticate with the server.

Explanation

The Web client agent was unable to authenticate with the IBM Storage Protect server.

System action

The operation ends.

User response

One possible solution is to run the command line client so that the client password can be re-entered. Another approach is to check the error log on the IBM Storage Protect Web client agent system for any relevant messages.

FMV2605S: Browser could not re-establish connection to client; received protocol error.

Explanation

The browser received a protocol error trying to re-connect to the client machine.

System action

The operation ends.

User response

Determine what might be causing this kind of an error. Determine if the browser and the IBM Storage Protect client code might be out of sync.

FMV2606S: An invalid password was sent to the server.

Explanation

The password that was sent to the IBM Storage Protect server was invalid.

System action

The operation ends.

User response

Make sure that you have the correct password. Also make sure that it is valid, for example it is not too short.

FMV2607S: Browser could not establish connection to client.

Explanation

The browser could not connect to the IBM Storage Protect client machine.

System action

The operation ends.

User response

Determine what might be causing this kind of a problem. Determine if the LAN is down, or if the IBM Storage Protect client acceptor on the IBM Storage Protect machine is up and running.

FMV2609S: TCP/IP communications failure between the browser and the client machine.

Explanation

This error can occur due to any of the following:

- The LAN connection to the IBM Storage Protect client machine went down.
- You are trying to connect to the IBM Storage Protect client machine using the wrong port number.
- The client acceptor on the IBM Storage Protect client machine is not up and running and accepting connections.

System action

The IBM Storage Protect operation ends.

User response

Retry the operation and make sure the LAN is up. Also check that the port number is correct, and that the client acceptor is started and running on the IBM Storage Protect client machine, and that it is listening on the correct port number.

FMV2610S: TCP/IP communications failure between the client and the server machine.

Explanation

An attempt to connect to the server using TCP/IP communications failed. This can be a result of incorrect TCP/IP option settings in your client options file. This error can also occur if the LAN connection went down or if your system administrator canceled a backup operation.

System action

The IBM Storage Protect client ends.

User response

Retry the operation and make sure the LAN is up. Make sure that both the IBM Storage Protect server and the IBM Storage Protect client are up and running.

FMV2611S: An unknown error occurred in the browser.

Explanation

An unknown error occurred in the applet running in the browser.

System action

The IBM Storage Protect operation ends.

User response

Retry the operation. If the problem persists, turn on tracing and see if the trace to the browser console gives the reason for the error.

FMV2612S: An unknown error occurred in the client Please check the IBM Storage Protect error log for any additional information**Explanation**

An unknown error occurred in the IBM Storage Protect client.

System action

The IBM Storage Protect client ends.

User response

Retry the operation. If the problem persists, check the IBM Storage Protect error log for any additional information.

FMV2613S: A communications protocol error occurred between the web browser and the client.**Explanation**

None.

System action

The operation ends.

User response

Try the operation again. If the problem occurs again, verify that the IBM Storage Protect web client is installed and configured correctly, and make sure you are using a supported browser. Flush the browser cache. Then try the operation again. If the problem persists, enable SERVICE traces on the web client on the target machine and the IBM Storage Protect Java applet, then reproduce the problem. Collect the traces and contact IBM Storage Protect for further assistance.

FMV2614S: A protocol error occurred in communications between the client and the server.**Explanation**

A protocol error happened between the IBM Storage Protect client and the IBM Storage Protect server.

System action

The IBM Storage Protect client ends.

User response

Retry the operation. If the problem persists, check the IBM Storage Protect error log for any additional information. Verify that you are running the correct applet with the appropriate level of the client.

FMV2615S: The user ID entered does not match the node name configured on the client machine.

Explanation

The user ID that was entered is not the same as the node name on this IBM Storage Protect client.

System action

The IBM Storage Protect operation ends.

User response

Verify that the node name entered is configured correctly on the IBM Storage Protect client.

FMV2616I: The machine must be rebooted for the changes to take effect

Explanation

The machine must be started for the restored registry changes to take effect.

System action

None

User response

Reboot the machine

FMV2617S: The destination directory specified is invalid.

Explanation

The user specified a destination target directory for restore or retrieve which is invalid.

System action

The IBM Storage Protect operation ends.

User response

Retry the operation specifying a valid directory name.

FMV2619S: The client acceptor was unable to start the Remote Client Agent.

Explanation

The IBM Storage Protect client acceptor could not start the IBM Storage Protect Remote Client Agent.

System action

The IBM Storage Protect operation ends.

User response

Check the error log on the IBM Storage Protect Web client agent for any relevant messages. Then correct the problem and retry.

FMV2620W: The expand entire branch operation may take a long time, and cannot be canceled once it has started. Are you willing to wait for the operation to complete?

Explanation

The expand entire branch operation could take a long time and cannot be canceled once it is started.

System action

Processing stopped; waiting for user intervention.

User response

Answer 'Yes' to start the expand entire branch operation. If you answer 'No', the current operation will be canceled.

FMV2622S: An invalid ID or password submitted.

Explanation

Either the ID is not registered on the IBM Storage Protect server, or the password for the ID is incorrect.

System action

The operation ends.

User response

Verify that the ID you are using exists on the IBM Storage Protect server to which the remote client node connects. The ID must have sufficient privileges to access the remote client node's data. Also make sure that you have the correct password for the ID. If the ID does not exist or if the password is unknown, contact your IBM Storage Protect administrator. If the ID does not exist, then the IBM Storage Protect administrator can use the **REGISTER ADMIN** and **GRANT AUTHORITY** commands to register an ID that can access the remote client node's data. If the password is unknown, the IBM Storage Protect administrator can use the **UPDATE ADMIN** command to reset the password.

FMV2623S: Web Client applet level is out of sync with Web Client agent.

Explanation

The Web Client applet and Web Client agents are at incompatible levels.

System action

The operation ends.

User response

Verify that you have the correct level of the applet installed with the client, and that an incorrect level of the applet was not placed in the install directory.

FMV2624E: This operation requires client owner authority.

Explanation

Your user ID has insufficient authority to perform this operation.

System action

Processing continues, but the user is not allowed to do this operation.

User response

Do not perform this operation, or get a higher authority level for your user ID in order to perform this operation.

FMV2625E: Node does not support this image operation.

Explanation

Node does not support or is not configured to perform this image operation.

System action

Processing continues, but the user is not allowed to do this operation.

User response

Verify whether this image related operation is supported or configured on the target platform.

FMV2626E: The Include-Exclude statement: *ieStatement* contains invalid characters.

Explanation

The specified Include-Exclude statement has invalid characters.

System action

IBM Storage Protect will not add the specified Include-Exclude statement to the list.

User response

Retry the operation with another statement that has valid characters.

FMV2627W: The NTFS security attributes for object '*full-name*' could not be set. Windows system error code: *error*; reason: '*error-reason*'. Default NTFS security attributes have been set.

Explanation

IBM Storage Protect was unable to set the NTFS security attributes of the file. The error information captured indicates the reason for the failure. Default NTFS security attributes have been set.

System action

Processing continues.

User response

Check the reason field for the code which explains why the NTFS security attributes have not been set. Correct the condition causing the error and try the operation again. If the problem persists, contact your system administrator or IBM Storage Protect administrator for further help.

FMV2628W: Failed to create named stream of object '*file_space_namepath_namefile_name*'.

Explanation

The process was unable to create named stream.

System action

The named stream is not restored/retrieved.

User response

The object is restored without named stream, the object should be examined to verify that it is usable. Check the client error log for FMV5250E error message that should have been logged when this message was written, take the corrective action and try the operation again. If the problem persists, contact your system administrator or IBM Storage Protect administrator for further help.

FMV2629I: Migration: The filespace will be migrated to the Incremental Forever model.

Explanation

The first time an Incremental Forever Incremental (IFIncr) backup is performed against a virtual machine that was previously backed up using the Periodic Full model, and the latest backup is an incremental backup, then backup chain will be migrated to the Incremental Forever model.

System action

This message is for informational purposes only.

User response

No action is required.

FMV2630E: The Java runtime library for the vCloud Suite plug-in library failed to load or initialize.

Explanation

The Java runtime library (libjvm), required by the vCloud Suite plug-in library, cannot be loaded, or the initialization of Java runtime environment failed.

System action

Operation is stopped

User response

For Linux operating system, verify that a link named 'jre', referencing the 'jre' directory under your Java installation path, exists in the backup-archive client installation directory. If a link does not exist, create the link (e.g. `ln -s /opt/ibm/java-x86_64-70/jre /opt/tivoli/tsm/client/ba/bin/jre`). Alternatively, modify `LD_LIBRARY_PATH` to include the path to `libjvm.so` (e.g. `export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/tivoli/tsm/client/ba/bin:/opt/ibm/java-x86_64-70/jre/bin/classic`). For Windows operating system, verify that the JRE directory exists under the client installation directory. Reinstall the backup-archive client if necessary.

FMV2631E: The vCloud Suite plug-in library cannot be initialized.

Explanation

The vCloud Suite plug-in library failed to initialize. This issue might be caused by the Java runtime not being installed.

System action

vCloud Suite operations cannot be performed.

User response

Verify that Java is installed.

FMV2632E: The vCloud Suite plug-in library cannot attach to the Java runtime.

Explanation

The vCloud Suite plug-in library failed attach to the JVM runtime. This issue might be caused by the Java runtime being corrupted or an incomplete installation.

System action

vCloud Suite operations cannot be performed.

User response

Verify that Java is installed and functioning properly.

FMV2633E: The vCloud Suite plug-in runtime library failed to log into the Platform Services Controller on '*psc-host*' with user name '*user-name*': authentication failed.

Explanation

The vCloud Suite single sign-on credentials specified in the `VMCUSER` and `VMCPW` options were rejected by the Platform Services Controller.

System action

vCloud Suite operations cannot be performed.

User response

Update the `VMCUSER` and `VMCPW` options with valid credentials for the targeted Platform Services Controller.

FMV2634E: The vCloud Suite plug-in runtime library failed to log into the Platform Services Controller on '*pvc-host*'.

Explanation

A connection cannot be established to the Platform Services Controller using the VMCHOST option.

System action

vCloud Suite operations cannot be performed.

User response

Verify that the value of the VMCHOST option is correct, network connectivity to the host exists, and that the Platform Services Controller service is running. Enable VCLoud tracing in the option file for any additional messages that might be related to this problem.

FMV2635E: The vCloud Suite plug-in runtime library encountered an internal error.

Explanation

The vCloud Suite plug-in library encountered an unexpected internal error that was not caught.

System action

vCloud Suite operations cannot be performed.

User response

Check the dsmerror.log file for any additional messages that might be related to this problem, enable VCLoud tracing in the option file.

FMV2636E: The vCloud Suite plug-in library is uninitialized.

Explanation

The vCloud Suite plug-in library is uninitialized. This issue might be caused by an error loading or initializing the plug-in library.

System action

vCloud Suite operations cannot be performed.

User response

Check the dsmerror.log file for any additional messages that might be related to this problem, enable VCLoud tracing in the option file.

FMV2640I: The virtual machine '*VM-name*' is configured with the '*exclude-category*' category and the '*exclude-tag*' tag, which excludes the virtual machine from the backup operation.

Explanation

The client option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines.

System action

The virtual machine is excluded from the scheduled backup operation.

User response

Remove the tag if the virtual machine should be included in scheduled backups, run an on-demand backup of the virtual machine, or set the 'VMTAGDATAMOVER' option to 'No' in the client options file.

FMV2641E: The client failed to load the VMware vCloud Suite plug-in library 'piVcloudSuiteJNI'.

Explanation

The VMware vCloud Suite plug-in library 'piVcloudSuiteJNI' could not be found or could not be loaded. This issue might be caused by the library being corrupted or an incomplete installation.

System action

The operation cannot be completed without the VMware vCloud Suite plug-in library.

User response

Verify that the VMware vCloud Suite plug-in library 'piVcloudSuiteJNI' is in the 'plugins' folder in the client installation folder or disable the client option 'VMTAGDATAMOVER'.

FMV2642E: The VMware vCloud Suite plug-in library could not find a required Java class or method.

Explanation

The VMware vCloud Suite plug-in library failed to find a required Java class or method. This issue might be caused by an incomplete installation, missing VMware vCloud Suite plug-in JAR 'piVcloudSuiteJwrapper.jar' file or the JAR files are not in the Java classpath.

System action

The operation cannot be completed without the VMware vCloud Suite plug-in library.

User response

Verify that the VMware vCloud Suite plug-in library JAR 'piVcloudSuiteJwrapper.jar' is in the 'plugins' and the other JAR files are in 'plugins/sdk' in the client installation folder or disable the client option 'VMTAGDATAMOVER'.

FMV2643I: An on-demand backup of the virtual machine '*VM-name*' is running. The virtual machine is configured with the '*exclude-category*' category and the '*exclude-tag*' tag.

Explanation

The client option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines, but the on-demand backup overrides the tag setting for exclusion.

System action

The backup operation continues.

User response

No action is required.

FMV2644I: The virtual machine '*VM-name*' is not configured with a '*exclude-category*' tag and can only be backed up by a default data mover. The virtual machine will be excluded from the scheduled backup operation.

Explanation

The client option 'VMTAGDATAMOVER' is enabled so that IBM Storage Protect categories and tags can be applied to virtual machines. The active data mover is not the default data mover so its unable to perform the backup operation.

System action

The virtual machine is excluded from the scheduled backup operation.

User response

If you want to include the virtual machine in schedule backups, assign a data mover tag to the virtual machine or make sure a data mover is set up as a default data mover by using the VMTAGDEFAULTDATAMOVER option.

FMV2666S: Either the ource or target volumes are duplicated. The same volume is mounted on more volume paths.

Explanation

This error can occur when a source volume is mapped on more volume paths, for example, a drive letter and one or more mount point directories. Because IBM Storage Protect uses the volume path to keep track of backup information in its internal backups database, it cannot back up the same volume with a duplicate volume path. See addition information in the error log.

System action

IBM Storage Protect cannot select the volume.

User response

Delete the last snapshots created as they are not managed by IBM Storage Protect. Unmount the duplicate volume path in order to have a single mount point to the same source volume. Restart IBM Storage Protect and retry the operation.

FMV2667I: Scan operation was successful.**Explanation**

The virtual machine was scanned successfully.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2668E: Scan operation failed with an unexpected error.**Explanation**

An unexpected error occurred during guest scan operations.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Check the client error log for additional information.

FMV2669I: Guest operating system platform is not supported.**Explanation**

The operating system of the virtual machine was not supported by the scan operation.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2670I: Remote directory in guest is being used by another application.**Explanation**

The scan operation was unable to copy files to the remote directory because the directory is in use by another application.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Ensure that the remote directory is unlocked. Then, reschedule the scan operation.

FMV2671I: Virtual machine name was not found on the VMware server.**Explanation**

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2672W: Hostname could not be found for the specified virtual machine name.**Explanation**

This issue might be caused by the virtual machine not running and not having a static IP address.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Make sure the guest is properly configured. Then, reschedule the scan operation.

FMV2673I: Duplicate virtual machine name was detected.**Explanation**

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2674I: The virtual machine is not connected to ESX server.**Explanation**

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2675E: Proxy Rejected: Proxy authority has not been granted to the specified data mover node.**Explanation**

The scan of the virtual machine failed.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

The IBM Storage Protect server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV2676W: The guest operating system credential was not found.**Explanation**

The guest scan operation requires a valid operating system credential.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Ensure the guest operating system credential is set. Then, reschedule the scan operation.

FMV2677W: The guest operating system credential is invalid.**Explanation**

The guest scan operation requires a valid operating system credential.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Ensure a valid guest operating system credential is set. Then, reschedule the scan operation.

FMV2678I: Guest machine is powered off.

Explanation

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2679I: VMware Tools on the guest machine is not running.

Explanation

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2680I: VMware Tools version on the guest machine is not current.

Explanation

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2681W: ESX host or vCenter version is not supported.

Explanation

The ESX host or vCenter is a down level version.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Refer to the product documentation for supported ESX and vCenter versions.

FMV2682I: The guest credential has insufficient permissions.

Explanation

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2683W: Cannot communicate with the remote host.

Explanation

This communication issue is caused by network errors or by the host not responding.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Ensure that the network and host connection are configured correctly. Then, reschedule the scan operation.

FMV2684I: The guest operation agent could not be contacted.

Explanation

None

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2685I: The VM is a template.

Explanation

VM templates are not supported by the scan operation.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

None

FMV2686E: VM scan initialization error.

Explanation

The vm scan operation encountered an error during initialization.

System action

The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response

Check the client error log and trace for additional information.

FMV2687W: The virtual machine '*VM-name*' contains one or more disks that exceed the maximum size set by the VMMA^XVIRTUALDISKS option. You can use the VMMA^XVIRTUALDISKS option to change the maximum size or specify the '*-VMSKIPMAXVIRTUALDISKS=yes*' option to exclude these disks from the backup.

Explanation

The IBM Storage Protect client does not back up VMDKs that are larger than the maximum size.

System action

The virtual machine is not backed up.

User response

Use the VMMA^XVIRTUALDISKS option to change the maximum size or specify the '*-VMSKIPMAXVIRTUALDISKS=yes*' option to exclude these disks from the backup.

FMV2688E: The restore of a Hyper-V virtual machine that was backed up using incremental forever backup is not allowed on a Windows 2008 or Windows 2008 R2 host. The restore operation must be completed on a Windows 2012 or later Hyper-V host

Explanation

A Hyper-V virtual machine that was backed up with the incremental forever backup type can only be restored on a Windows 2012 or later Hyper-V host.

System action

The restore operation does not start.

User response

Try the operation again with a Windows 2012 or later Hyper-V host.

FMV2689E: A Hyper-V *command subcommand* command was specified, but the Hyper-V role is not enabled on the host system

Explanation

The Hyper-V role must be enabled on the host system where the Hyper-V operation occurs. The current system does not have the Hyper-V role enabled.

System action

The operation does not start.

User response

Try the operation again from a host that has the Hyper-V role enabled.

FMV2690E: A Hyper-V BACKUP VM command with mode IFFULL or IFINCR was specified but the Data Protection for Microsoft Hyper-V license file does not exist or is not valid

Explanation

The Data Protection for Microsoft Hyper-V license file is required to issue Hyper-V BACKUP VM commands with mode IFFULL or IFINCR. Make sure the Data Protection for Microsoft Hyper-V file is installed.

System action

The backup does not start.

User response

Try the operation again from a host that has the Data Protection for Microsoft Hyper-V license file installed. Or, issue the BACKUP VM command and specify mode FULL.

FMV2691E: A Hyper-V BACKUP VM command with mode FULL was specified but the Data Protection for Microsoft Hyper-V license file exists. Mode IFFULL or IFINCR must be specified

Explanation

Hyper-V BACKUP VM commands with mode FULL are not allowed on hosts where the Data Protection for Microsoft Hyper-V license file is installed. Instead, issue the BACKUP VM command using mode IFFULL or IFINCR.

If you must issue the BACKUP VM command with mode FULL, you must uninstall the Data Protection for Microsoft Hyper-V license file. However, uninstalling the license file invalidates the IFINCR backup chain. As a result, an IFFULL is performed if the Data Protection for Microsoft Hyper-V license file is reinstalled.

System action

The backup does not start.

User response

Try the operation again and specify mode IFFULL or IFINCR.

FMV2692E: An error occurred while registering the filespace for virtual machine (*VM_name*).

Explanation

An error occurred while registering the filespace for the specified virtual machine.

System action

The backup of this virtual machine fails. The backup process can continue with other virtual machines.

User response

Check the error log for information about how to resolve this issue.

FMV2693E: An error occurred while registering the filespace for virtual machine (*VM_name*). There is a filespace with the same name that is currently being deleted.

Explanation

An error occurred while registering the filespace for the specified virtual machine. A filespace with the same name is currently being deleted on the IBM Storage Protect server

System action

The backup of this virtual machine fails. The backup process can continue with other virtual machines.

User response

Wait for the delete filespace to finish and run the backup command again.

FMV2694W: Application protection is enabled for virtual machine '*VM_name*'; however, this virtual machine contains one or more disks that exceed the maximum size of 2 TB allowed for application protection operations. Application protection needs to be disabled in order to backup this virtual machine.

Explanation

The IBM Storage Protect client does not back up VMDKs that are larger than 2 TB when application protection is being used.

System action

The virtual machine is not backed up.

User response

Application protection must be disabled in order to backup the specified virtual machine.

FMV2695W: The periodic full backup mode is being used; however, the virtual machine '*VM-name*' contains one or more disks that exceed the maximum size of 2 TB allowed for the periodic full backup mode. You can use the '*-VMSKIPMAXVIRTUALDISKS=yes*' option to exclude these disks from the backup, or change to the incremental forever backup mode.

Explanation

The IBM Storage Protect client does not back up VMDKs that are larger than 2 TB when the periodic full backup mode is being used.

System action

The virtual machine is not backed up.

User response

Use the '*-VMSKIPMAXVIRTUALDISKS=yes*' option to exclude these disks from the backup, or change to the incremental forever backup mode.

FMV2697E: The virtual machine cannot be restored because the datastore named '*datastore*' does not exist or is inactive.

Explanation

The datastore referenced by virtual machine when it was backed up does not exist or is inactive on the ESX/ESXi that you are restoring the virtual machine to.

System action

The virtual machine cannot be restored.

User response

Find the missing datastore or specify the *-datastore* option on the Restore VM command to specify an existing datastore to restore the virtual machine files to.

FMV2698E: Snapshot operation failed.

Explanation

If you are performing a VSS or LVSA snapshot based operation, it is possible that the snapshot was not large enough to contain all the changes made to the file system after the snapshot was created. This could cause the snapshot to become invalid thereby preventing the IBM Storage Protect client from reading the snapshot.

System action

The requested operation stopped.

User response

Examine the client error log for additional messages related to this error. Perform corrective actions indicated by the messages, then try the operation again.

FMV2699W: Importing VM '*vm name*' failed for vApp '*vapp name*'.

Explanation

The import VM from vSphere to a vCloud vApp operation failed.

System action

Restore processing for the vApp continues.

User response

Check the dserror.log file for information about why the VM was not imported. Then, try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2700E: Restoring VM '*vm name*' of vApp '*vapp name*' is not possible. There is no VM backup data.

Explanation

During the vApp restore, a VM that exists in the restored vApp version could not be restored, because it was not successfully backed up.

System action

The restore operation will proceed, attempting to restore any available vApp backup data.

User response

Examine the client error log for any messages that might indicate the reason for the specified VM's backup failure. Contact IBM Storage Protect technical support if further assistance is required.

FMV2701E: The attempted database operation was unsuccessful, check the error log for any additional information.

Explanation

Processing stops.

System action

Reserved.

User response

Check the error log for information regarding failure and take further action.

FMV2704E: Error: The vCenter server version is at a lower level than the ESX host version, or the user ID specified by the VMCUser option does not have sufficient permission to perform the operation.

Explanation

The vCenter returned an error indicating there is a problem with the license. This error can occur when the vCenter server version is at a lower level than the ESX host version. The vCenter server version must be at the same (or later) level as the ESX host version. This error can also occur when the user ID specified by the VMCUser option does not have sufficient permission to perform the operation or the permissions are not applied at the vCenter server level.

System action

Processing stops.

User response

Verify the vCenter server is at the correct level, and verify that the user ID specified by the VMCUser option has sufficient permission to perform the operation.

FMV2705S: No DB2 UDB partitions are available for restore.

Explanation

No DB2 UDB partitions are available on the IBM Storage Protect server for restore. This is most likely due to a previous backup that was aborted before the backup completed. The DB2 UDB database and selected partitions cannot be restored.

System action

Processing stops.

User response

Issue the IBM Storage Protect client command QUERY DB2UDB command with the -DETAIL parameter using the same database, file, and date criteria to see if any database partitions are available for restore. Alternatively restore the DB2 UDB database from a different backup.

FMV2706E: The option VMBACKUPLOCATION=*value* is not allowed with restore type operation '*type*'.

Explanation

Operation failed.

System action

Processing stopped.

User response

Remove option VMBACKUPLOCATION from the command line and try again.

FMV2707W: The VMBACKUPLOCATION option value BOTH was specified. The local backup for virtual machine '*VM-name*' failed, but the backup to the server completed.

Explanation

The local backup failed. Only the server backup was successful.

System action

Processing completed.

User response

Contact your system administrator to resolve issues that cause the local backup to fail.

FMV2708E: One or more disks of the virtual machine '*VM-name*' are not in a virtual volumes datastore. Local backup is not allowed. If the VMBACKUPLOCATION option value BOTH was specified, the backup to the server will continue.

Explanation

Local backup is only supported for virtual machines that are in a virtual volumes datastore.

System action

Processing continues if VMBACKUPLOCATION=BOTH was specified.

User response

If you want local backup, contact your system administrator to reconfigure the virtual machine and then try the backup again.

FMV2709E: The snapshot of virtual machine '*VM-name*' was removed after the backup.

Explanation

The virtual machine snapshot was removed by another application or process after the backup. This removal corrupted the backup and it cannot be restored or mounted.

System action

Processing stopped.

User response

Delete the local backup from the IBM Storage Protect server for this virtual machine.

FMV2710E: The virtual machine '*VM-name*' was removed from the inventory.

Explanation

The virtual machine was removed from the inventory. This removal invalidates all local backups.

System action

Processing stopped.

User response

Delete all the local backups from the IBM Storage Protect server for this virtual machine.

FMV2711E: The snapshot of virtual machine '*VM-name*' was removed during the backup.

Explanation

The virtual machine snapshot was removed by another application or process during the backup. This removal corrupts the backup and it becomes unusable.

System action

The virtual machine is not backed up.

User response

Ensure that another application or process does not remove or modify the virtual machine during the backup.

FMV2712W: The virtual machine '*name*' has a VMware Tools running, but VMware Tools is out of date.

Explanation

A supported version of VMware Tools must be installed, running and current to complete a virtual machine backup.

System action

The backup operation fails.

User response

Verify that a supported version of VMware Tools is installed, current and running. Then, try the backup operation again.

FMV2713E: The virtual machine '*VM-name*' is in an invalid connection state '*state*'. As a result, it cannot be backed up.

Explanation

To back up a virtual machine it must be in the 'connected' state to be accessed.

System action

The virtual machine is not backed up.

User response

Return the virtual machine to the 'connected' state and try the backup again.

FMV2714W: The management class '*mc*' specified for the '*dest*' backup destination is invalid. The default management class will be used.

Explanation

None.

System action

Processing continues.

User response

Contact the IBM Storage Protect administrator to run the configuration utility for DB2 UDB and specify a valid management class.

FMV2715E: The virtual machine '*VM-name*' is configured as a fault tolerant virtual machine. As a result, it cannot be backed up.

Explanation

vSphere does not allow for the snapshot or backup of fault tolerant virtual machines with vStorage API for Data Protection.

System action

The virtual machine is not backed up.

User response

To back up a fault tolerant virtual machine with vStorage API for Data Protection, first disable fault tolerant. Then, after the backup completes, enable fault tolerant.

FMV2716E: A background copy process is still pending on local hardware. A restore operation cannot be initiated until the background copy process is completed.

Explanation

None.

System action

Processing stops.

User response

Wait until the background copy process completes and retry the restore operation.

FMV2717E: The multi-node definition does not have permission to delete its own backup files from the server.

Explanation

All DB2 UDB commands require that the multi-node definition has permission to delete its own backup files from the server in order to properly reconcile the local backup repository with the server backup repository.

System action

Processing stops.

User response

Have the IBM Storage Protect administrator update the multi-node definition so that it has permission to delete its own backup files from the server. For example, on the IBM Storage Protect administrative command-line client: `dsmadmc update node <multi-node name> backdelete=yes`

FMV2718W: The virtual machine '*VM-name*' requires snapshot consolidation.

Explanation

Snapshot consolidation is required when a snapshot is deleted but its associated disk is not committed back to the base disk. If consolidation is not completed, snapshot disks might grow and eventually fill the data store.

System action

The virtual machine backup continues.

User response

Consolidate the virtual machine snapshots according to instructions provided in the appropriate VMware vSphere documentation.

FMV2719E: A previous backup started on '*datetime*', is using the resources needed for new backup is still pending.

Explanation

A new backup can not be done until previous backup completes.

System action

Processing stops.

User response

Wait until previous backup completes before starting another local backup. Alternatively, use different copyType value to perform a local backup. IBM Storage Protect local backup policy only allows one incremental and one full background copy to be pending at any time, before local backup resources are reused for a new backup version. A new local backup would result in a backup with background copy in pending state.

FMV2720W: Failed to execute the command '*command*'.

Explanation

IBM Storage Protect Failed to execute a command. The possible reason - the command interpreter cannot be found. Verify the ComSpec and PATH environment variables that locate the command interpreter. Either ComSpec or PATH is not defined, or it is not correctly defined.

System action

The command does not run. Otherwise processing will attempt to continue.

User response

Correct the ComSpec and PATH environment variable that locate the command interpreter. Contact your system administrator if you are not sure how to make this correction.

FMV2721E: The virtual machine is in an invalid connection state. As a result, it cannot be backed up.

Explanation

One or more virtual machine backups failed because of an invalid connection state. A virtual machine must be in the 'connected' state to be accessed for backup.

System action

Processing stops for this virtual machine

User response

Check the console output and error logs for information about why the connection state was invalid. Correct any issues and try backing up the failed virtual machines.

FMV2722E: There is not enough space in the local repository to complete this backup.

Explanation

This space available in the local repository is not enough to perform snapshot for this backup operation. It could happen if there is more number of local versions kept by the management class than there is space allocated in the local repository at configuration time or application configuration has changed such that previously allocated space is not enough.

System action

None.

User response

Please validate IBM Storage Protect configuration by running the configuration wizard.

FMV2723E: A value of UNDEF for the READstartsrecall option is not valid when the HSMBACKENDMODE option is set to IBM Storage Protect.

Explanation

A value of UNDEF for the READstartsrecall option is valid only when the HSMBACKENDMODE option is set to TSMFREE.

System action

The operation stops. The file is skipped.

User response

If the HSMBACKENDMODE option is set to IBM Storage Protect, set the READstartsrecall option to YES or NO.

FMV2725E: IBM Storage Protect application protection could not register the IBM Storage Protect VSS provider on the guest VM 'VM'.

Explanation

The guest vm credentials specified on the datamover do not have the correct required Windows permissions for application protection.

System action

The application protection vm backup processing stops.

User response

Make sure that the credentials specified for the guest VM have the correct required Windows permissions for application protection type vm backups. The user guide outlines the correct permissions that are required for backuping and restoring application data for Microsoft Exchange and Microsoft SQL Servers.

FMV2729E: Operating system command '*command*' failed; rc=*rc*.

Explanation

None.

System action

Process stops.

User response

Check the return code from the operating system for more information about the failure. Issue the failing command manually to see if the same failure occurs.

FMV2731E: The BACKUP VM command failed because the Data Protection for VMware license file does not exist or is not valid.

Explanation

The Data Protection for VMware license file is required for the BACKUP VM command.

System action

The command is not processed.

User response

Install Data Protection for VMware or the license file for Data Protection for VMware, and retry the command. Or retry the operation from a host that has the Data Protection for VMware license file installed.

FMV2732E: The BACKUP VM command failed because the Data Protection for Microsoft Hyper-V license file does not exist or is not valid.

Explanation

The Data Protection for Microsoft Hyper-V license file is required for the BACKUP VM command.

System action

The command is not processed.

User response

Install Data Protection for Microsoft Hyper-V or the license file for Data Protection for Microsoft Hyper-V, and retry the command. Or retry the operation from a host that has the Data Protection for Microsoft Hyper-V license file installed.

FMV2733E: An operation requiring the Windows Management Instrumentation (WMI) service has failed with the error '*errorstring*'. IBM Storage Protect has been denied access to a WMI system due to insufficient privileges.

Explanation

Windows denied access to a Windows Management Instrumentation (WMI) resource, object, or operation. This program has insufficient permissions to perform the requested operation.

System action

Performing an operation requiring the Windows Management Instrumentation service.

User response

Raise the permissions assigned to IBM Storage Protect and retry the operation.

FMV2734E: An operation requiring the Windows Management Instrumentation (WMI) service has failed with the error '*errorstring*'. The application interface does not exist.

Explanation

This error occurred because Windows Management Instrumentation (WMI) classes were not registered or have become unregistered. WMI classes are registered with Windows features.

System action

Initialization of a Windows Management Instrumentation object failed.

User response

Register the Windows Management Instrumentation classes of the appropriate Windows feature.

FMV2736E: An unexpected response was received from a remote IBM Storage Protect file system agent. verb : *verb* remote host : *host* return code : *rc* reason code : *rs* msg. string : *msg-string*

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV2737W: No disks from VM are mounted because all disks were excluded during the backup.

Explanation

No disks from VM can be mounted because all disks were excluded during backup or the VM did not contain any disks.

System action

The operation stops.

User response

If files from the affected file systems or volumes must be recovered, ensure that at least one disk is included in the backup.

FMV2740E: The vApp restore operation failed.

Explanation

The vApp restore operation failed. Check the error log for details on why the operation failed.

System action

Processing stops

User response

Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

FMV2744I: TESTFLAG DB2 enabled with the value of 'value'.

Explanation

None.

System action

This message is informational.

User response

None.

FMV2745E: An assigned virtual disk to Hyper-V Virtual Machine 'virtualmachinename' cannot be found.

Explanation

The IBM Storage Protect client detected that a Virtual Machine has assigned a disk that is unreachable. The disk may have been moved or deleted. A snapshot cannot be taken while the disk cannot be found.

System action

The IBM Storage Protect could not find a virtual disk at the assigned path.

User response

Check that the virtual disk has not been moved or deleted and update the virtual machine configuration to match any changes to the file system.

FMV2746E: An assigned virtual disk to Hyper-V virtual machine 'virtualmachinename' is a VHD or invalid format. Only virtual disks in VHDX format can be backed up.

Explanation

The IBM Storage Protect client detected that a virtual machine has assigned a disk that is in the VHD format or is in an unrecognisable or unsupported format. If the disk is in VHDX format it may be corrupted.

System action

The IBM Storage Protect found a virtual disk in VHD or unrecognisable format while preparing for a backup of a virtual machine.

User response

If the virtual disk is in VHD format there are several options: Remove the VHD from the virtual machine, convert the virtual disk from VHD format to VHDX format, or adjust DOMAIN.VMFULL to skip the virtual machine from backup. If the disk is in VHDX format, check that the disk has not been corrupted.

FMV2747E: An assigned AVHDX virtual disk to Hyper-V virtual machine '*virtualmachinename*' cannot find the parent disk. Snapshots can be taken only if the parent can be found.

Explanation

The AVHDX format specifies an internal field that points to a parent AVHDX or VHDX file. If the parent cannot be found the disk is invalid and a snapshot will fail.

System action

The process discovered an AVHDX attached to a virtual machine and attempted to find the parent AVHDX or VHDX file.

User response

Check that the parent AVHDX or VHDX file still exists and has not been moved or deleted. Return the parent AVHDX and/or VHDX file.

FMV2748E: An assigned virtual disk to Hyper-V virtual machine '*virtualmachinename*' exceeds the maximum capacity limit. The IBM Storage Protect client cannot backup virtual machines with disks that exceed the limit of two terabytes.

Explanation

The IBM Storage Protect client detected that a Virtual Machine has assigned a disk whose capacity exceeds two terabytes. Virtual disks that exceed 2 terabytes are currently not supported by incremental forever backups.

System action

The IBM Storage Protect found a virtual disk whose capacity exceeds two terabytes on a virtual machine scheduled for back up.

User response

There are several options available: Remove the disk from the virtual machine, shrink the disk to under two terabytes, copy the data to virtual disk with a capacity under two terabytes. Even though incremental backup is not available, the always full backup type is compatible with disks over two terabytes.

FMV2749E: See Microsoft Technote KB2771882. An assigned virtual disk to Hyper-V Virtual Machine '*virtualmachinename*' contains files that are on a Cluster Shared Volume and local volumes. A snapshot of a Virtual Machine in this configuration cannot be taken.

Explanation

The IBM Storage Protect client detected that a Virtual Machine has files involved in the snapshot on both local volumes and Cluster Shared Volumes. Attempting to snapshot a virtual machine in this configuration always results in failure. This error is documented in Microsoft Technote KB2771882.

System action

The IBM Storage Protect client discovered the virtual machine has files on local volumes and cluster shared volumes prior to taking a snapshot.

User response

Check that all of the disks and the configuration files are all on local volumes or cluster shared volumes. If necessary, perform a storage migration to move the disks and/or configuration files.

FMV2750E: The Hyper-V Virtual Machine '*virtualmachinename*' is currently undergoing one of the following operations: * Creating Local Snapshot * Applying Local Snapshot * Deleting Local Snapshot * Exporting Virtual Machine * Migrating Virtual Machine * Volume Snapshot Service (VSS) Snapshot * Restore * Merging Differencing Disks The above operations prevent a Hyper-V VSS snapshot from taking place. Wait for the operation to finish or cancel to perform a backup.

Explanation

Some virtual machine management tasks interfere with a virtual machine VSS snapshot. One of these operations was detected during a back up request.

System action

The IBM Storage Protect client discovered the virtual machine is currently undergoing an operation that will prevent a Volume Snapshot Service snapshot from occurring.

User response

Cancel or wait for the current virtual machine management task to finish and then retry the back up.

FMV2751E: The RESTORE VM command failed because the Data Protection for VMware license file does not exist or is not valid.

Explanation

The Data Protection for VMware license file is required for the RESTORE VM command.

System action

The command is not processed.

User response

Install Data Protection for VMware or the license file for Data Protection for VMware, and retry the command. Or retry the operation from a host that has the Data Protection for VMware license file installed.

FMV2752E: The RESTORE VM command failed because the Data Protection for Microsoft Hyper-V license file does not exist or is not valid.

Explanation

The Data Protection for Microsoft Hyper-V license file is required for the BACKUP VM command.

System action

The command is not processed.

User response

Install Data Protection for Microsoft Hyper-V or the license file for Data Protection for Microsoft Hyper-V, and retry the command. Or retry the operation from a host that has the Data Protection for Microsoft Hyper-V license file installed.

FMV2753I: Establishing inter-client communication with *node* node(s).**Explanation**

None.

System action

This message is informational.

User response

None.

FMV2785I: Gathering current DB2 configuration for '*type*' restore.**Explanation**

None.

System action

This message is informational.

User response

None.

FMV2790E: Error Accessing Storage Virtual Machine '*svm_name*' on NetApp Filer '*filer_name*'.**Explanation**

The specified Storage Virtual Machine could not be accessed on the specified filer. Make sure that the storage virtual machine exists and is running on the specified filer and that the storage virtual machine has been correctly associated with the filer with the SET NETAPPSVM command.

System action

Processing stops.

User response

Make sure that the storage virtual machine is running on the specified filer and that the association between the filer and the storage virtual machine has been defined correctly with the dsmc set netappsvm command.

FMV2798E: Unable to start a session from client node '*nodename*' multi-node '*multi-node*' to client at address '*ip-address:ip-port*'. The return code is *rc*.

Explanation

None.

System action

This message is informational.

User response

None.

FMV2799E: An error was encountered during a session with another client. Check the error log for any additional information

Explanation

This message is reserved for DB2 UDB.

System action

Reserved.

User response

This message is reserved for DB2 UDB.

FMV2800W: No IBM Storage Protect processes were found.

Explanation

The QUERY PIDS command was unable to identify any known IBM Storage Protect processes running on the system. If the -FILTER option was used, no processes matching the filter specification were found.

System action

None.

User response

If you need to use dsmttrace to enable or disable tracing for a running client process, make sure that the client is already running. If you used the -FILTER option, try the command again with a different filter specification. You can use -FILTER=* to display all processes running on the system.

FMV2801E: The dsmttrace utility was unable to connect to the specified process.

Explanation

This message typically occurs when the specified process ID is not active.

System action

None.

User response

If you need to use dsmttrace to enable or disable tracing for a running client process, make sure that the client is already running. Use the dsmttrace QUERY PIDS command to identify running client processes, then try the command again.

FMV2802I: Tracing has been disabled.**Explanation**

None.

System action

None.

User response

None.

FMV2803E: Tracing could not be disabled.**Explanation**

A problem occurred while trying to disable tracing for the specified process. This message is usually accompanied by other, more specific messages immediately preceding or following this message.

System action

No changes are made to the trace status of the specified process.

User response

Review the messages that immediately precede or follow this message for further information about this error.

FMV2804W: Tracing is already enabled. -TRACEFILE, -TRACEMAX, and -TRACESEGSIZE are ignored.**Explanation**

When tracing is already enabled for a client process, only the -TRACEFLAGS option has any effect.

System action

The -TRACEFLAGS options are set on the client process. -TRACEFILE, -TRACEMAX, and -TRACESEGSIZE are ignored.

User response

If you need to modify the -TRACEFILE, -TRACEMAX, or -TRACESEGSIZE settings, you must first use the dsmttrace DISABLE command to disable tracing for the client process. Then run the dsmttrace ENABLE command to configure the desired trace settings. If it is not necessary to modify these settings, then this message may be ignored.

FMV2805I: Tracing has been enabled.

Explanation

None.

System action

None.

User response

None.

FMV2806E: Tracing could not be enabled.

Explanation

A problem occurred while trying to enable tracing for the specified process. This message is usually accompanied by other, more specific messages immediately preceding or following this message.

System action

No changes are made to the trace status of the specified process.

User response

Review the messages that immediately precede or follow this message for further information about this error.

FMV2807E: An incorrect number of parameters was specified for the *command-name* command.

Explanation

The specified command was invoked with too few or too many parameters.

System action

The command is not processed.

User response

Try the command again with the correct number of parameters. Run `"dsmtrace help"` for additional information on dsmtrace command syntax.

FMV2808W: Incremental by snapshot difference backup did not locate the registered base snapshot '*regbase-name*' on NetApp/N-Series filer volume '*volume-name*'. Snapshot '*olderbase-name*' is used as the base snapshot.

Explanation

Incremental by snapshot difference backup did not locate the specified registered base snapshot on the specified NetApp/N-Series filer volume. The most recent existing snapshot which is older than the registered base snapshot is used as the current base snapshot.

System action

Processing continues.

User response

None.

FMV2809E: The backupid '*backupid*:' in the input file does not match the vmname '*vmname*:' being restored.

Explanation

There is a discrepancy between the backupid and vmname specified in the input file

System action

The virtual machine cannot be restored.

User response

Confirm that the backupid specified matches the vmname you are attempting to restore by re-running the inquire_detail command and make any necessary corrections before attempting the restore again.

FMV2810E: The IBM Storage Protect for Virtual Environments Input File '*input file*:' appears to be empty.

Explanation

While processing the Input File no items were found to operate on.

System action

The operation cannot continue with an empty list.

User response

Confirm that the input file is not empty and has valid input. If the file is not empty it may be that an error occurred while reading the file, please check the error log for any errors found during the reading of the file. If errors are found make the necessary corrections before attempting the operation again.

FMV2811E: The IBM Storage Protect for Virtual Environments could not find a suitable datamover agent for the DataCenter Node '*datacenter nodename*'.

Explanation

While processing Proxy relationships with the DataCenter Node specified, no appropriate datamover matches detected

System action

The operation cannot continue without a valid datamover.

User response

Work with your IBM Storage Protect Administrator to ensure that your DataCenter Nodes have granted proxy authority to your DataMover Nodes.

FMV2812E: The IBM Storage Protect for Virtual Environments could not find Datamover node named '*datamover nodename*' on the IBM Storage Protect Server.

Explanation

While processing Proxy relationships with the DataCenter node and DataMover node specified, no appropriate Datamover node name matches detected.

System action

The operation cannot continue without a valid Datamover Node name.

User response

Make sure the Datamover node name specified is a valid IBM Storage Protect node name and that the node has the proper proxy relationships established.

FMV2813E: The IBM Storage Protect Server returned an empty network address or port number for '*datamover nodename*'.

Explanation

While querying the IBM Storage Protect Server for the Datamover network address and port number, the Server returned zero for one of the values.

System action

The operation cannot continue without a valid Datamover network address and port number.

User response

This is usually the result of a Datamover Node not being started. Log on to the Datamover host and start or restart the DSMCAD service and retry the IBM Storage Protect for Virtual Environments command again. If the problem persists, work with your IBM Storage Protect Server Administrator to inspect the IBM Storage Protect Server activity log to identify the issue.

FMV2814E: IBM Storage Protect for Virtual Environments detected an error while parsing the Input File '*input file*'. The '*specifier*' appears to be empty or invalid.

Explanation

While parsing the Input File an error occurred.

System action

The operation cannot continue without valid virtual machine specifications.

User response

This is usually the result of an empty virtual machine name or other identifier. Please check that the syntax of the Input File is correct for all entries and that virtual machine names are not empty and retry the operation.

FMV2815E: IBM Storage Protect for Virtual Environments detected an error while parsing '*read in line*' from the Input File '*input file*'.

Explanation

While parsing the Input File an error occurred.

System action

The operation cannot continue without valid specifications in the Input File.

User response

This may be the result of an empty virtual machine name or other identifier. Please check that the syntax of the Input File is correct for all entries and that virtual machine names are not empty and retry the operation.

FMV2816E: IBM Storage Protect for Virtual Environments detected that the IBM Storage Protect Server IP address was not specified.

Explanation

While parsing the command line options, an empty Server address was detected.

System action

The operation cannot continue without a valid network address for the IBM Storage Protect Server.

User response

This may be a result of the VMCLI profile having an empty VE_TSM_SERVER_NAME entry. Please check that the VMCLI profile is configured correctly specifying the IBM Storage Protect Server address.

FMV2817E: IBM Storage Protect for Virtual Environments detected that the vCenter Command-Line interface node name was not specified.

Explanation

While parsing the command line options, an empty vCenter Command-Line interface node name was detected.

System action

The operation cannot continue without a valid vCenter Command-Line interface node name.

User response

This may be a result of the VMCLI profile having an empty VE__TSMCLI_NODE_NAME entry. Please check that the VMCLI profile is configured correctly specifying the vCenter Command-line interface node name.

FMV2818E: IBM Storage Protect for Virtual Environments detected that the IBM Storage Protect Server port was not specified.

Explanation

While parsing the command line options, an empty IBM Storage Protect Server port was detected.

System action

The operation cannot continue without a valid IBM Storage Protect Server port.

User response

This may be a result of the VMCLI profile having an empty VE_TSM_SERVER_PORT entry. Please check that the VMCLI profile is configured correctly specifying the IBM Storage Protect Server port.

FMV2820E: An interrupt has occurred. The current operation will end and the client will shut down.

Explanation

This message is issued when the process is interrupted by a break signal such as **CTRL - BREAK** or **CTRL - C**.

System action

The operation and process are ended immediately.

User response

Restart the operation if desired.

FMV2824E: IBM Storage Protect for Virtual Environments detected that the node name representing the vCenter is not specified.

Explanation

While parsing the command line options, an empty vCenter node name was detected.

System action

The operation cannot continue without a valid vCenter node name.

User response

This may be a result of the VMCLI profile having an empty VE_VCENTER_NODE_NAME entry. Please check that the VMCLI profile is configured correctly specifying the vCenter node name.

FMV2825E: IBM Storage Protect for Virtual Environments detected that the node name representing the Datacenter is not specified.

Explanation

While parsing the command line options, an empty datacenter node name was detected.

System action

The operation cannot continue without a valid datacenter node name.

User response

This is a result of the -d DataCenter Node Name not being passed in to the Command-line. Re-try the operation making sure to pass the -d Datacenter Node Name to the command-line call.

FMV2826E: IBM Storage Protect for Virtual Environments detected that the node name representing the vCenter Datamover is not specified.**Explanation**

While parsing the command line options, an empty Datamover node name was detected.

System action

The operation cannot continue without a valid Datamover node name.

User response

This is a result of the -o Datamover Node Name not being passed in to the Command-line. Re-try the operation making sure to pass the -o Datamover Node Name to the command-line call.

FMV2827E: IBM Storage Protect for Virtual Environments detected that the input file is not specified.**Explanation**

While parsing the command line options, an empty or non-existing input file name was detected.

System action

The operation cannot continue without a valid input file name.

User response

This is a result of the -I Inputfile name not being passed in to the Command-line. Re-try the operation making sure to pass the -I input file name to the command-line call.

FMV2828E: Image operations are not supported for the specified file system.**Explanation**

Image backup and restore are not supported for the specified file system.

System action

The requested image operation is not performed.

User response

Choose another object.

FMV2829E: Image operations are not supported for GPFS.

Explanation

Image backup and restore are not supported for GPFS volumes.

System action

The requested image operation is not performed.

User response

Choose another object.

FMV2830E: An incorrect number of parameters was specified.

Explanation

The specified command was invoked with too few or too many parameters.

System action

Processing stops.

User response

Try the command again with the correct number of parameters.

FMV2831E: Incremental by snapshot difference cannot be performed on '*volume-name*' as it is of type '*type*' and is not a NetApp/N-Series '*fsType*' volume.

Explanation

The volume specified cannot be used for performing NetApp/N-Series snapshot difference incremental operation. The volume does not correspond to the NFS mount point or the CIFS shared drive for a Network Appliance or N-Series NAS volume. One possible reason for this failure is that snapshot difference incremental backups can only be performed against NetApp/N-Series NFS volumes on AIX/Linux platforms, or CIFS volumes on Windows platforms.

Another possible reason for this failure is that the qtree security style for the volume was incorrectly selected. If the CIFS volume is mapped on Windows, ensure that the security style is set to NTFS. If the volume is mounted as NFS, ensure that the security style is set to UNIX.

System action

Processing stops.

User response

Try the command again with a NetApp/N-Series NFS or CIFS volume with the correct security style.

FMV2832E: Incremental by snapshot difference failed for *file space name*. See the error log for details.

Explanation

Failed to perform NAS NFS/CIFS Incremental by snapshot difference operation.

System action

Processing stops.

User response

Take appropriate action based on the information in the error log. If the problem persists please contact your IBM Storage Protect administrator.

FMV2834E: You have to be a root user in order to perform incremental backup using snapshot difference.

Explanation

Failed to perform NAS NFS/CIFS incremental backup operation using snapshot difference as the user was non root.

System action

Processing stops.

User response

Please retry the operation as root user.

FMV2835E: Incremental backup using snapshot difference is not supported on this platform.

Explanation

NetApp NFS/CIFS incremental backup operation using snapshot difference is only supported on AIX, Linux and Windows platforms.

System action

Processing stops.

User response

Retry the incremental operation without the snapdiff option.

FMV2836E: Incremental backup operation using snapshot difference is only available for full volumes. is a partial volume or qtree.

Explanation

Cannot perform NAS NFS/CIFS incremental backup operation using snapshot difference on the mounted or mapped volume due to one of the following reasons: 1) The volume is actually a qtree. 2) The volume is not a full volume, it is not mounted or mapped to the root of the volume.

System action

Processing stops.

User response

Retry the incremental backup operation by specifying an entire NAS NFS or CIFS volume.

FMV2837E: Unable to access the required stored NetApp filer credentials (user id and password) for filer ". Make sure the SET PASSWORD -TYPE=FILER command was specified correctly to store the credentials.

Explanation

The user id and password for the specified NetApp Filer have been either not configured or have been specified incorrectly.

System action

Processing stops.

User response

Use the 'set password -type=filer' command to define the user id and password for the specified NetApp Filer and retry the snapshot differential backup operation.

FMV2838W: The file path '*filename*' exceeds HSM maximum path length.

Explanation

A file that you tried to migrate has a path name that is too long.

System action

File skipped from migration.

User response

Place files into a shorter path to make them available for migration.

FMV2839E: Failed with ONTAPI error '*error_code*' while connecting to NetApp Filer '*filer_name*' using user id '*id_name*'. You might have provided credentials incorrectly for this Filer.

Explanation

The user ID and password have been configured incorrectly for the specified Filer.

If you are using the snapdiffhttps option, ensure that you are not specifying vFiler volumes as vFiler does not support the HTTPS transport type.

System action

Processing stops.

User response

Make sure that the credentials you have specified for the Filer are the correct ones. Use the dsmc set password command to specify the correct credentials for your Filer and try the command again.

FMV2840E: Incremental backup using snapshot difference is not supported for Data ONTAP file server version '*version.modification.submodification*'. Upgrade the file server '*file-server-name*' to Data ONTAP version '7.3' or later in order to perform incremental backup operations using snapshot difference.

Explanation

The file server specified is not at the Data ONTAP version that supports snapshot difference API.

System action

Processing stops.

User response

Upgrade the file server to Data ONTAP version 7.3 or later and retry the operation.

FMV2841E: Incremental by snapshot difference is only supported on AIX 64 bit and Linux 86 bit clients.

Explanation

Incremental backup using snapshot difference feature is only available on IBM Storage Protect AIX 64 bit and Linux 86 clients.

System action

Processing stops.

User response

Try the command again with an IBM Storage Protect AIX 64 bit or Linux 86 client.

FMV2842E: IBM Storage Protect for Virtual Environments detected an error with the createsnap: keyword. createsnap:yes is specified while also specifying vmsnapname:VMWare Snapshot Name.

Explanation

While parsing the Input File for FlashCopy Manager for VMWare offload backup, an error condition was detected with VM Ware snapshot handling. Specifying a VMWare Snapshot name while specifying createsnap:yes is not allowed.

System action

The operation cannot continue without specifying the correct createsnap: and vmsnapname: combination.

User response

This is a result of the -I Inputfile containing conflicting input for createsnap: and vmsnapname: keywords. If you intend to have IBM Storage Protect for Virtual Environments use a VMWare Snapshot created by FlashCopy Manager then specify createsnap:no with a valid VMWare Snapshot for the vmsnapname: keyword.

FMV2850E: Error Creating Snapshot: Volume NAS *volume* is a snapmirror destination volume.

Explanation

An attempt was made to create a snapshot on a read only snapmirror destination volume.

System action

Processing stops.

User response

Retry the operation using the USEEXISTINGBASE and DIFFSNAPSHOT=latest options.

FMV2851E: Snapshot Processing Error: .

Explanation

An error occurred due to the reason specified in the message

System action

Processing stops.

User response

Ensure that the specified volume is online and allows write access.

FMV2855W: IBM Storage Protect for Virtual Environments detected an error while parsing the Input File '*input file*'. The '*specifier*' should not be specified when using '*specifier*'. Option will be ignored.

Explanation

While parsing the Input File an error occurred.

System action

The operation will continue ignoring this parameter.

User response

This is usually the result of an identifier used with the wrong option. Please check that the options in the Input File matches the requested operation and retry the operation.

FMV2856E: IBM Storage Protect for Virtual Environments detected that the node name representing the vCloud is not specified.

Explanation

A node name that represents the vCloud is not specified in the VMCLI profile.

System action

The operation cannot continue without a valid vCloud node name.

User response

Specify the vCloud node name in the VE_VCENTER_NODE_NAME parameter in the VMCLI profile. Then, try the operation again.

FMV2857E: IBM Storage Protect for Virtual Environments detected while parsing '*read in line*' from the input file '*input file*' that option '*specifier*' is required for '*operation*' operation.

Explanation

A required option or identifier is missing from the input file.

System action

The operation stops.

User response

This may be the result of a missing option or identifier. Verify that the syntax of the command and the syntax of the values in the input file are correct. Then, try the operation again.

FMV2858E: Failed to get the list of available VMs for backup

Explanation

Failed to get the entire list of VMs in order to choose ones that needed to be backed up.

System action

The operation was stopped

User response

Verify that configuration parameters for connection to vCenter.

FMV2859E: Failed to locate the Organization VDC node that is used to store the backed up data.

Explanation

The Organization VDC node that stores the backed up vApp data was not located. This node must be mapped to the Provider VDC node. This issue might be caused by invalid mapping between the Provider VDC node and the Organization VDC node.

System action

The operation was stopped

User response

Go to the Configuration page and click 'Run the Configuration Wizard' to verify that mapping information for the Provider VDC node is valid.

FMV2860E: The PRESNAPSHOTCMD command failed. The snapshot differential backup will not be executed.

Explanation

The command specified by the PRESNAPSHOTCMD option must complete successfully in order to execute the snapshot differential backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the snapshot differential backup is not executed.

System action

The client does not execute the snapshot differential backup operation.

User response

Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV2861W: The POSTSNAPSHOTCMD command failed.

Explanation

If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, the snapshot differential backup operation continues. The operation continues with a warning-level result. The result of the POSTSNAPSHOTCMD command does not supersede a higher result from the snapshot differential backup command. For example, if the snapshot differential backup command completed with code 12, a lower return code from the POSTSNAPSHOTCMD command does not alter the return code.

System action

The snapshot differential backup continues, but with a warning return code of at least 8.

User response

Identify and repair the problem that caused the command to fail. Consider wrapping the command in a script that always exits with a return code of zero.

FMV2862E: No entry found for the specified Storage Virtual Machine.

Explanation

The SVM does not exist in the registry or password file.

System action

No operation is performed.

User response

The user should register the SVM using the Set NetAppSVM command.

FMV2863E: The backup-archive client failed to load the vCloud protection runtime library.

Explanation

vCloud protection runtime library is not loaded by the backup-archive client.

System action

The operation is stopped

User response

Verify that the vCloud runtime library exist in the 'plugins' folder under the client installation folder.

FMV2864E: A Hyper-V operation was attempted, but the Hyper-V role was not detected on the host system.

Explanation

The Hyper-V role must be enabled on the host system where the Hyper-V operation occurs. The current host system either does not have the Hyper-V role enabled or does not support Hyper-V.

System action

The operation does not start.

User response

If the host system supports Hyper-V then enable the Hyper-V role. Otherwise, try the operation again from a host system that supports Hyper-V and has the Hyper-V role enabled.

If you want to process VMware virtual machines, go to the IBM Storage Protect window, and click Edit > Client Preferences > VM Backup. Click VMWare Full VM or VMWare File Level. Then, click OK.

FMV2865E: An error occurred creating or accessing a virtual disk for virtual machine '*VM-name*'.

Explanation

An error occurred creating or accessing a virtual disk while restoring a virtual machine.

System action

The virtual machine is not restored.

User response

See the client error log for more detailed information about the error.

FMV2866E: An error occurred creating virtual machine '*VM-name*'.

Explanation

An error occurred creating the virtual machine during the restore operation.

System action

The virtual machine is not restored.

User response

See the client error log for more detailed information about the error.

FMV2867E: An error occurred querying virtual machine '*VM-name*'.

Explanation

An error occurred querying the virtual machine during the restore operation.

System action

The virtual machine is not restored.

User response

See the client error log for more detailed information about the error.

FMV2868E: An error occurred removing virtual machine '*VM-name*'.

Explanation

An error occurred removing the virtual machine during the restore operation.

System action

The virtual machine is not restored.

User response

See the client error log for more detailed information about the error.

FMV2869E: A virtual machine on the hypervisor has a different name but the same ID as virtual machine to restore '*VM-name*' has. Restore not allowed.

Explanation

A virtual machine with a different name and the same ID than the virtual machine being restored exists on the hypervisor.

System action

The virtual machine is not restored.

User response

Choose a different virtual machine to restore to or delete the existing virtual machine.

FMV2870W: An incremental backup of virtual machine '*vmname*' was requested, but the virtual machine lacks an existing recovery snapshot. A full backup will be taken to prevent data loss.

Explanation

Removal of the recovery snapshot of a virtual machine does not reset the last successful backup time maintained internally. The lack of a reset creates an inconsistency between the backup time and the hard disk configuration of the virtual machine. A full backup fixes the ambiguity and prevent data loss.

System action

An inconsistency in the virtual machine configuration was detected.

User response

Avoid deleting the recovery snapshot between back up operations.

FMV2872E: The process was unable to restore a virtual disk user metadata entry of virtual machine '*vmname*' to disk '*diskpath*'.

Explanation

An attempt to restore a user metadata entry of a disk failed. The user metadata of the disk may be inaccessible or unreachable.

System action

A restore of a virtual disk.

User response

Check the user privileges include access to virtual disk writes or move the disk to an accessible location.

FMV2873I: Virtual machine '*vmname*' was successfully restored. If this virtual machine was restored to a cluster, ensure that the cluster settings enable the restored virtual machine to operate in high availability mode. High availability settings, and the preferred set of hypervisor nodes that can operate in high availability mode, might not be set automatically.

Explanation

The specified virtual machine has been restored, but the restore process does not alter Microsoft Failover Clustering High Availability settings. If you restored a virtual machine that you previously deleted, or if you restored a virtual machine to a new name and location, the restored virtual machine might not be enabled as a high availability resource. Enable high availability for this virtual machine by using Microsoft Failover Cluster Manager, System Center Virtual Machine Manager, or by using PowerShell cmdlets.

System action

Processing continues.

User response

Use Microsoft Failover Cluster Manager, System Center VM manager, or PowerShell to configure the cluster to allow this virtual machine to perform in a high availability configuration.

FMV2876E: Unable to access the required stored NetApp Management Filer credentials (user id and password) for filer " " associated with storage virtual machine " ". Make sure the SET PASSWORD -TYPE=FILER command was specified correctly to store the credentials.

Explanation

The user id and password for the specified NetApp management filer associated with the specified storage virtual machine have been either not configured or have been specified incorrectly.

A storage virtual machine is associated with management filer using the SET NETAPPSVM command. Credentials for a management filer are stored with the SET PASSWORD -TYPE=FILER command.

System action

Processing stops.

User response

Use the 'set password -type=filer' command to define the user id and password for the specified NetApp Management Filer. Use the 'set netappsvm' command to associated a storage virtual machine with a management filer. Ensure that both of these commands were specified correctly and retry the snapshot differential backup operation.

FMV2888E: Backup VM Full VM Incremental is unable to run. A valid IBM Storage Protect for Virtual Environments license file (*license-file*) cannot be located.

Explanation

The license file was not found, or cannot be opened because of permissions, or the file is corrupted.

System action

The system returns to the calling procedure.

User response

Check permissions on file. See if the license file is in the correct place.

FMV2889I: The vApp '*vapp name*' was successfully restored under the name '*new vapp name*'

Explanation

The restore operation was succesful in restoring the vApp into the specified name.

System action

This message is for informational purposes only.

User response

No action is required.

FMV2891W: The vApp '*vapp name*' was successfully restored. However, *failed vms num* out of *existing vms num* VMs were not restored.

Explanation

Although the vApp restore operation on the vCloud completed successfully, one or more VMs were not restored.

System action

The operation completed successfully. However, some VMs were not restored.

User response

Check the dsmerror.log file for information about why the VMs were not restored. Then, try the operation again. If the problem persists, visit the IBM Storage Protect Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2900E: IBM Storage Protect for Virtual Environments detected that the scan domain was not specified.

Explanation

While parsing the command line options, no scan domain was detected. This error occurred because the -domain option was not specified.

System action

The operation cannot continue without a valid scan domain.

User response

Run the operation again and specify the -domain option.

FMV2901E: IBM Storage Protect for Virtual Environments detected that the domain user was not specified.

Explanation

While parsing the command line options, no domain user was detected. This error occurred because the -user option was not specified.

System action

The operation cannot continue without a valid domain user.

User response

Run the operation again and specify the -user option.

FMV2902E: Save domain password failed in function *func-name* with return code *return-code*.

Explanation

An unexpected write access error occurred when the function tried to save the domain password. Write access does not exist to either the registry or to the IBM Storage Protect for Virtual Environments on Linux installation folder where the password file is saved.

System action

The operation ends.

User response

Grant write access to either the registry or to the IBM Storage Protect for Virtual Environments on Linux installation folder and try the operation again.

FMV2903E: Read domain password failed in function *func-name* with return code *return-code*.

Explanation

An unexpected error occurred when the function tried to read the domain password.

System action

The operation ends.

User response

On Windows, verify that the password exists in the registry. On Linux, verify that the password exists in the password file. Try the operation again.

FMV2998I: The option '*option*' that was found in the include/exclude file '*file-name*' at the line number: *number* is not supported and will be ignored by the client.

Explanation

The specified option is valid but not supported on the current platform and will be ignored by the client.

System action

Processing continues.

User response

You can ignore the message or remove the option from the include/exclude file.

FMV3000I: *communication-type* communications available on port *port-number*.

Explanation

The specified communications are available on the specified port number.

System action

None.

User response

None.

FMV3001W: The default locale, English (United States), is used because the selected locale "*locale*" is not supported. The supported locales are as follows: *supportedLocales*

Explanation

The locale on the user's system or browser is not supported.

System action

The system defaults to the English (United States) locale.

User response

Use the default locale or switch to one of the supported locales.

FMV3002I: Session started for user *userid* (*communication-method address*).**Explanation**

A session was started for the specified user.

System action

None.

User response

None.

FMV3003I: The new password is case sensitive.**Explanation**

Your account has been updated to use case sensitive password.

System action

None

User response

Make sure to remember the new password as you enter it, including character casing. For more details, contact your IBM Storage Protect administrator.

FMV3004E: Session for user *userid* terminated - invalid password entered.**Explanation**

A session was terminated for the specified user because an invalid password was entered.

System action

The session with the specified user is terminated.

User response

Re-start the remote client and enter the correct password for the specified user.

FMV3005I: Session for user *userid* terminated - idle for *idle-minutes* minutes.

Explanation

A session was terminated for the specified user because there was no activity on the session for the specified number of minutes.

System action

The session with the specified user is terminated.

User response

Re-start the remote client to begin a new session.

FMV3006I: Processing request for the IBM Storage Protect Web Client (*ip-address*).

Explanation

A request for the Web Client is being processed.

System action

None.

User response

None.

FMV3007I: IBM Storage Protect *client-name* terminating - idle for *idle-minutes* minutes.

Explanation

The specified client is terminating because it has been idle for the specified time. It will be automatically started when it is needed.

System action

The client program stops.

User response

None.

FMV3008E: Too many symbolic links were detected while resolving name '*file_name*'

Explanation

While trying to resolve the file name, too many symbolic links were found.

System action

File skipped.

User response

Ensure that you do not have a looping symbolic link for the file.

FMV3009E: The Logical Volume Snapshot Agent plugin library was not found.**Explanation**

The Logical Volume Snapshot Agent (LVSA) plugin library should have been installed when the client was installed, but it cannot be found.

System action

The selected operation is not performed.

User response

Try the operation again. If the problem recurs, re-install the IBM Storage Protect client software. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3010E: The snapshot wizard operation failed.**Explanation**

The snapshot wizard operation failed with a non-zero return code. Check the error log for additional information.

System action

The selected operation is not performed.

User response

Review the error log for any error messages, and then retry the operation after correcting the cause for failure.

FMV3011E: Previous changes have not been committed. The machine must be rebooted before this operation can be performed**Explanation**

A previous operation required the machine to be rebooted for the changes to take effect, but the machine has not been rebooted. The machine must be rebooted before this selected operation can be performed.

System action

The selected operation is not performed.

User response

Reboot the machine and then retry the operation.

FMV3012E: The Logical Volume Snapshot Agent is not installed. Use the Setup Wizard to configure either Online Image or Open File support and choose the Logical Volume Snapshot Agent as the snapshot provider.

Explanation

The selected operation requires the Logical Volume Snapshot Agent, but it is not installed. Use the Setup Wizard to install the LVSA.

System action

The selected operation is not performed.

User response

Retry the operation after installing the Logical Volume Snapshot Agent.

FMV3013E: The specified snapshot provider is not supported on this version of the operating system.

Explanation

The specified snapshot provider is not supported on the version of the operating system you are currently running. If another snapshot provider is available, select it and retry the operation.

System action

The selected operation is not performed.

User response

If another snapshot provider is available, select it and retry the operation.

FMV3014E: Expose snapshot failed for backup document '*xml-backup-doc-file*'.

Explanation

Expose snapshot failed.

System action

Processing stops

User response

See the dsmerror.log file for further details.

FMV3100E: Unable to get the iSCSI initiator name. The Windows error is (*error*)

Explanation

The iSCSI initiator name is not configured on the system.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation about how to configure the iSCSI initiator name.

FMV3101E: The mount operation for virtual machine '*vmname*' failed with *rc = return-code*. For more details, check the Recovery Agent logs.

Explanation

An error occurred during the mount operation. See the output from the previous operation to identify the cause of the error.

System action

Processing stops.

User response

Review the recovery agent logs for information about how to resolve this issue.

FMV3102I: '*VMNAME*' mounted successfully and is ready

Explanation

The mount operation for the specified virtual machine completed successfully. As a result, the virtual machine is ready for a file restore operation.

System action

None.

User response

None

FMV3103E: Unable to load the dynamic link library (iscsidsc.dll). The Windows error is (*error*)

Explanation

The iSCSI dynamic link library (iscsidsc.dll) cannot be found on the system.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation about how to install the dynamic link library (iscsidsc.dll).

FMV3104E: A target was not found on the iSCSI portal The missing target is '*target*'

Explanation

The iSCSI portal is unable to discover all of the targets that were created by the IBM Storage Protect Recovery Agent command-line interface.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation about how to correct this iSCSI portal issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3105E: Unable to connect all targets on the iSCSI Portal The target that is not connected is '*target*'. Windows error is (*error*)

Explanation

The iSCSI portal is unable to connect all discovered targets that were created by the IBM Storage Protect Recovery Agent command-line interface.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation about how to correct this iSCSI portal issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3106E: Windows Configuration Manager is unable to scan for new hardware. Windows error is (*error*)

Explanation

The new iSCSI disk connection cannot be detected by the Windows Configuration Manager.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation about how to correct this hardware scan issue.

FMV3107E: The attempt to retrieve information for disk '*disk*' failed with Windows error (*error*).

Explanation

A Windows API call failed to retrieve the disk information.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3108W: The disk with label=*'label'* is not mounted because it was excluded during the backup (Reason: *'reason'*).

Explanation

The disk cannot be mounted because it was excluded during backup. It is not possible to recover files from any of the file systems or volumes that use this disk.

System action

The operation continues.

User response

If files from the affected file systems or volumes must be recovered, ensure that the disk is included in the backup.

FMV3109E: The mount cannot be retrieved because the following mount ID cannot be found: *mountID*

Explanation

An error occurred while retrieving the mount with the mount ID that is specified.

System action

Processing stops.

User response

No response is required.

FMV3110E: Unable to communicate with Windows device '*device*'. The Windows error is (*error*)

Explanation

A Windows API call failed to open a Windows device.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3111E: Unable to mount the same dynamic disks multiple times. The disk '*disk*' signature is the same as the disk signature of another disk that is online.

Explanation

It is not possible to attach a second disk to the system with the same disk signature.

System action

The operation stops.

User response

The other disk with the identical disk signature must be dismounted before you can attempt the operation again.

FMV3112E: Windows Virtual Disk Service is not able to detect all new devices.

Explanation

The Virtual Disk Service VDS is unable to access all iSCSI targets. Some targets are missing or not working.

System action

The operation will be rolled back and stopped.

User response

Determine why the data mover cannot access some iSCSI targets. Determine that the IBM Storage Protect server is working correctly. Determine that the iSCSI service is running. Search the Windows event log for problems with the missing devices.

FMV3113E: The virtual machine '*name*' has at least one mirror or RAID5 volume. Mirror and RAID5 support is disabled!

Explanation

During the mount operation it was detected that the virtual machine has a mirror or RAID5 volumes. The support for such volumes were disabled by the Administrator.

System action

The operation stops.

User response

Contact the Administrator for more information.

FMV3114E: The attempt to retrieve information for volume '*volume*' failed with Windows error (*error*).

Explanation

A Windows API call failed to retrieve the volume information.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3115E: The attempt to bring disk '*disk*' online failed with Windows error (*error*).

Explanation

A Windows API call failed to bring the disk online.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3116E: The attempt to create directory '*dir*' failed with Windows error (*error*).

Explanation

A Windows API call failed to create the directory.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3117E: The mount volume attempt at directory '*dir*' failed with Windows error (*error*).

Explanation

A Windows API call failed to mount the specified volume.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3118E: Unable to determine the operating system type of the VM to be restored.

Explanation

The operating system type of the VM to be restored cannot be determined. This issue can occur when the restore parameter -VMOSType is not specified or it specifies an incorrect operating system type.

System action

The operation stops.

User response

Use the -VMOSType parameter to specify the correct operating system type of the VM to be restored.

FMV3119W: Operating system type "*name1*" is detected but operating system type "*OSname*" is specified.

Explanation

The operating system type of the detected VM does not match the type specified with the restore parameter -VMOSType. Inconsistent operating system types might negatively impact the mount operation. The operation will continue using "*OSname*" as the operating system type.

System action

The operation continues.

User response

If the mount operation fails, try the operation again and use automatic detection or specify the correct operating system.

FMV3122E: The Microsoft iSCSI Initiator Service encountered an error. The Windows error is (*error*).

Explanation

The Microsoft iSCSI Initiator Service encountered an error during an iSCSI operation. This error caused the operation to stop.

System action

The operation stops.

User response

See the Microsoft iSCSI Initiator Service error message to determine the cause of the error. If necessary, see the appropriate Microsoft Documentation for information about how to resolve this iSCSI Initiator error.

FMV3123E: Unable to read or write the local VM file restore data. *filename* File cannot be accessed or is damaged.

Explanation

For VM file restore operations, data must be stored on the local data mover in a directory that the user running the restore can access. The data file might also be damaged.

System action

Processing stops.

User response

To store the VM file restore data, the data mover application requires read and write access to the C:\Documents and Settings\AllUsers\Application Data\Tivoli\TSM\ or C:\ProgramData\Tivoli\TSM folder. Set the access rights to this directory so that your user has the correct rights. If the file was damaged it can be helpful to replace the current version with the .bak file.

FMV3124E: The user session cannot be retrieved because the following context ID cannot be found: *contextID*

Explanation

An error occurred while retrieving the current user session with the context ID that is specified. The error might be caused by a session that timed out.

System action

Processing stops.

User response

If the session timed out, log in again.

FMV3125E: The local data for file restore mount with the ID: *id* and virtual machine name '*name*' cannot be found!

Explanation

The local data set for the specified mount ID or virtual machine name cannot be found.

System action

The operation stops.

User response

Use the query "dsmc q vm <name> -vmrestoretype=mount" command to get the correct mount ID and virtual machine name for the cleanup.

FMV3126E: The node name of the mount proxy partner could not be found.

Explanation

An error occurred while querying the IBM Storage Protect server for the mount proxy partner. The node could not be found. Communication with the mount proxy partner is required to perform the restore operation.

System action

Processing stops.

User response

Check the mount proxy partner node configuration and ensure that the node is correctly configured and running.

FMV3127E: The IP address or port of the mount proxy partner could not be found.

Explanation

An error occurred while querying the IBM Storage Protect server for the mount proxy partner. The IP address or port of that partner could not be found. The address and port are required to process file restores.

System action

Processing stops.

User response

Check the node configuration and ensure that the mount proxy partner is correctly configured and running. Verify that the client acceptor daemon on the mount proxy partner is running and able to connect to the IBM Storage Protect server.

FMV3128E: The node name of the Windows mount proxy does not comply with IBM Storage Protect naming conventions.

Explanation

An error occurred while querying the IBM Storage Protect server for Linux mount proxy partner. The name of the Windows mount proxy does not comply the naming convention. A correct name is required for processing of Linux VMs.

System action

Processing stops.

User response

Check the node configuration and ensure that the mount proxy name is correct. Use the web based configuration wizard to set up the configuration.

FMV3129I: The mount cleanup of VM '*VMNAME*' completed.

Explanation

The mount cleanup operation for the specified virtual machine completed.

System action

None.

User response

None

FMV3130E: The mount cleanup operation for virtual machine '*vmname*' failed with rc = *return-code*

Explanation

An error occurred during the mount cleanup operation. See the output from the previous operations to identify the cause of the error.

System action

Processing stops.

User response

Check the dsmerror.log file for information about how to resolve this issue.

FMV3131E: The operation to disconnect the iSCSI targets from the Windows data mover failed.

Explanation

An error occurred during the mount cleanup operation while disconnecting the iSCSI targets. See the output from the previous operations to identify the cause of the error.

System action

Processing stops.

User response

Open the Windows iSCSI Initiator Tool and disconnect the targets and remove the target portal. The tool can be found in "Administrative Tools" -> "iSCSI Initiator"

FMV3132E: The Windows iSCSI Service is unable to get a list of all currently running sessions. The Windows error is (*error*)

Explanation

The iSCSI Service could not get a list of all connected targets and the corresponding sessions.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this iSCSI issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3133E: The target '*target*' could not be disconnected by the iSCSI portal. The Windows error is (*error*)

Explanation

The iSCSI portal is unable to disconnect all the connected targets that were created by the recovery agent command-line interface.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this iSCSI portal issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3134E: The Windows iSCSI Service is unable to get list of all currently available portals. The Windows error is (*error*)

Explanation

The iSCSI Service has a problem getting a list of all available portals.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this iSCSI portal issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3135E: The removal of iSCSI Portal '*target*' failed with a Windows error of (*error*)

Explanation

The iSCSI Service cannot remove the iSCSI Portal.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this iSCSI portal issue. Search <http://technet.microsoft.com/en-US/windowsserver> for iSCSI troubleshooting information.

FMV3136E: The mount ID was not specified in the cleanup operation.

Explanation

The -MOUNTID parameter must be specified to perform a 'mountcleanup' operation.

System action

The operation stops.

User response

Use the query "dsmc q vm <name> -vmrestoretype=mount" command to get the correct mount ID for the cleanup

FMV3137W: 'VMNAME' mount completed with errors.

Explanation

The mount operation for the specified virtual machine completed with errors. Only a subset of the virtual machine's disks are ready for a file restore operation.

System action

The VM disks that failed were reported in previous messages.

User response

Review the previous error messages for the cause of each failure.

FMV3138E: The unmount of the volumes failed during the cleanup operation of mount ID *mountid*

Explanation

An error occurred during the mount cleanup operation while unmounting the volumes.

System action

Processing stops.

User response

See the output from the previous operations to identify the cause of the error.

FMV3139E: The attempt to unmount the disk failed with Windows error (*error*).

Explanation

The Windows API call failed to unmount the disks.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this issue; search the documentation for this Windows error.

FMV3140E: The connection to the following iSCSI targets failed: *'target_list'*.

Explanation

The iscsiadm command-line interface was not able to connect to the specified iSCSI targets, from the Linux mount proxy machine.

System action

The operation stops.

User response

If the target is already connected on the Linux mount proxy machine, log out from the target, for example: iscsiadm -m node -T targetname --logout Also, verify that the iSCSI server address is correctly specified.

FMV3141W: Mounting the following devices failed: *'device_list'*.

Explanation

It was not possible to mount the specified devices on the Linux mount proxy machine.

System action

The operation continues to mount the other devices.

User response

Perform a cleanup, or try to manually unmount the devices on the Linux mount proxy machine.

FMV3142E: The Windows Virtual Disk Service encountered an error. The Windows error is (*error*)

Explanation

The Windows Virtual Disk Service is not working correctly.

System action

The operation stops.

User response

See the Microsoft documentation for information to correct this issue. Search <http://technet.microsoft.com/en-US/windowsserver> for Virtual Disk Service troubleshooting information.

FMV3143W: The ISCSI service is not running. Its state is '*state*'.

Explanation

The ISCSI Service is not running.

System action

The service maybe suspended, however operations cannot continue.

User response

Start the ISCSI service.

FMV3144W: The ISCSI service is not running. File restore mount operations will not work.

Explanation

The ISCSI Service is not running. This service is required on the Windows and Linux mount proxy for file restore mount operations. Full VM instant access and instant restore are not affected.

System action

Mount operations for file restore cannot continue.

User response

Start the ISCSI service if you want to perform a file restore operation. For VM instant access and instant restore, no action is required.

FMV3145E: A Windows API call has failed.

Explanation

A Windows API call has failed.

System action

Operations cannot continue.

User response

See the dsmerror.log for more information.

FMV3146E: The cleanup operation to unmount the volume *volume* failed. The mounted file system is busy.

Explanation

An error occurred during the mount cleanup operation while unmounting the volumes on the Linux mount proxy machine.

System action

Processing stops.

User response

Ensure the file system is not in use and then try the cleanup operation again, or manually unmount the volume on the host.

FMV3147W: The iSCSI Target '*iscsi_target*' was disconnected successfully, but the attempt to delete the target failed.

Explanation

It was not possible to delete the object after the target was disconnected.

System action

The operation continues.

User response

Try to manually delete the object on the Linux machine. For example: `iscsiadm -m node -T targetname -o delete`

FMV3148W: The iSCSI Target '*iscsi_target*' was already connected.

Explanation

The target was already connected on the Linux mount proxy machine. This error can occur if a cleanup was not performed, or if the cleanup was only partially successful.

System action

The operation continues.

User response

The Linux mount proxy machine tried to reuse the already connected targets. If the volumes are not correctly mounted, manually disconnect the targets on the Linux mount proxy machine. For example: `iscsiadm -m node -T targetname --logout`; `iscsadm -m node -T targetname -o delete`

FMV3149E: The iSCSI target '*target*' failed to disconnect from the Linux machine. The message from the iscsiadm command-line interface is: *message_output*

Explanation

The iscsiadm command-line interface was unable to disconnect the specified iSCSI target from the Linux machine.

System action

The operation stops.

User response

See if the target is already disconnected on the Linux machine, or try to manually disconnect it. For example, `iscsadm -m node -T targetname --logout` Verify that the iSCSI server address is correctly specified.

FMV3150W: The block device '*block_device*' of type '*device_type*' failed to mount. The system message is: '*system_message*'

Explanation

It was not possible to mount one or more devices on the Linux machine.

System action

The operation continues to mount the other devices.

User response

Perform a cleanup, or try to manually unmount the devices on the Linux machine.

FMV3151E: The initiator.iscsi file does not exist or cannot be opened.

Explanation

The file does not exist or cannot be opened.

System action

Operations cannot continue.

User response

The ISCSI service may not be installed.

FMV3152E: The initiator.iscsi file does not have a valid initiator id entry.

Explanation

No ISCSI Initiator ID exists.

System action

Operations cannot continue.

User response

The ISCSI service may not be installed.

FMV3153E: The mount cleanup completed with error for mount ID '*mountid*' of virtual machine '*VMNAME*'; Error log '*errlog*' is available on '*machinename*'.

Explanation

An error occurred during the mount cleanup operation while unmounting the volumes. The mounted file systems may be busy. See the error log to identify the cause of the error.

System action

Processing stops.

User response

Ensure the file systems are not in use and the cleanup or manually unmount the volumes on the host.

FMV3154E: The iSCSI service is not installed.**Explanation**

The iSCSI Service is not installed.

System action

Operations cannot continue.

User response

Install the iSCSI service for your platform.

FMV3155I: The Windows data mover is '*name*' (*ip*)**Explanation**

The DNS name and the IP of the Windows data mover.

System action

None.

User response

This information can be used to determine if hostname and IP of the Windows data mover are correctly resolved. The information can help if the iSCSI connection is not working as expected.

FMV3156I: The iSCSI server address used is '*ip*'**Explanation**

This message returns the IP address of the iSCSI server.

System action

None.

User response

This information can be used to determine if the IP address of the iSCSI server address is correctly resolved. The information might help you troubleshoot problems if the iSCSI connection is not working as expected.

FMV3157I: The Linux data mover is '*name*' (*ip*)**Explanation**

The DNS name and the IP address of the Linux data mover.

System action

None.

User response

This information can be used to determine if hostname and IP of the Linux data mover are correctly resolved. The information might help you troubleshoot problems if the iSCSI connection is not working as expected.

FMV3158W: The attempt to create the Windows share failed with Windows error (*error*). The share is not created.

Explanation

The creation of the Windows share failed with the given user/group name.

System action

The Windows share is not created. The operation continues.

User response

One common reason for failures is that the specified user/group does not exist. Ensure that the Windows user or group name exists and is accessible on the Windows data mover. If this is a domain user or group, the Windows data mover has to be part of that domain. If this does not resolve the problem, see the appropriate Microsoft Documentation for information about this error code.

FMV3159E: The attempt to remove the Windows Share failed with Windows error (*error*).

Explanation

A Windows API call failed to remove the Windows Share.

System action

The operation stops.

User response

See the appropriate Microsoft Documentation for information about how to resolve this Windows API call issue.

FMV3160W: The attempt to export Linux file system failed with error: NFS service is not running.

Explanation

exportfs command failed to make the directory on the Linux mount proxy available for NFS clients to mount.

System action

The operation continues without creating the NFS export.

User response

Resolve the error on the Linux mount proxy. Manually export the directory.

FMV3161E: The attempt to unexport Linux file system failed with error: NFS service is not running.

Explanation

exportfs command failed to unexport the directory on the Linux mount proxy.

System action

The operation stops.

User response

Resolve the error on the Linux mount proxy. Manually unexport the directory.

FMV3162I: The Mount cleanup of VM '*VMNAME*' with mount id '*Id*' and snapshot date '*date time*' completed.

Explanation

The mount cleanup operation for the specified virtual machine completed.

System action

None.

User response

None

FMV3163W: The Linux Operating System is not at the minimum level. Mount operations may not complete successfully.

Explanation

The Linux Operating System is not at the minimum level.

System action

Mount operations may not complete successfully.

User response

Upgrade the Linux operating system to at least the minimum level.

FMV3164W: The minimum level for '*os*' is '*level*'. Your current level is '*actual*'.

Explanation

The Linux Operating System is not at the minimum level.

System action

Mount operations may not complete successfully.

User response

Upgrade the Linux operating system to at least the minimum level.

FMV3165W: A Package installed on the Linux Operating System is not at the minimum level. Mount operations may not complete successfully.

Explanation

A Package installed on the Linux Operating System is not at the minimum level.

System action

Mount operations may not complete successfully.

User response

Upgrade the package to at least the minimum level.

FMV3166W: The minimum level for package '*package*' is '*level*'. Your current level is '*actual*'.

Explanation

A Package installed on the Linux Operating System is not at the minimum level.

System action

Mount operations may not complete successfully.

User response

Upgrade the package to at least the minimum level.

FMV3167E: IBM Storage Protect Recovery Agent service is not installed.

Explanation

IBM Storage Protect Recovery Agent service is not installed.

System action

Operations cannot continue.

User response

Ensure that IBM Storage Protect Recovery Agent is correctly installed and configured.

FMV3168E: IBM Storage Protect Recovery Agent service is not running.

Explanation

IBM Storage Protect Recovery Agent service is not running.

System action

Operations cannot continue.

User response

Start IBM Storage Protect Recovery Agent service. The Recovery Agent can be started using "net start RecoveryAgent" or by referencing IBM Storage Protect Recovery Agent in services.msc.

FMV3169E: The mount proxy's operating system must be Windows Server 2008 or newer operating system.**Explanation**

The Windows operating system is not at the minimum level.

System action

Processing stops.

User response

Upgrade the Windows mount proxy to a supported operating system.

FMV3170W: The attempt to export Linux file system failed with error: exportfs command failed.**Explanation**

exportfs command failed to make the directory on the Linux mount proxy available for NFS clients to mount.

System action

The operation continues without creating the NFS export.

User response

Resolve the error on the Linux mount proxy. Manually export the directory.

FMV3171E: The attempt to unexport Linux file system failed with error: exportfs command failed.**Explanation**

exportfs command failed to unexport the directory on the Linux mount proxy.

System action

The operation stops.

User response

Resolve the error on the Linux mount proxy. Manually unexport the directory.

FMV3172T: Restoring virtual machine '*source*' to new VM with name '*destination*'.

Explanation

The specified virtual machine will be restored as a new vm with a new name.

System action

None

User response

None.

FMV3173E: The Linux devices failed to mount correctly.

Explanation

The Linux devices failed to mount correctly.

System action

Mount operations did not complete successfully.

User response

Verify that the Linux mount proxy server can communicate with the IBM Storage Protect server.

FMV3174E: The virtual machine mount failed.

Explanation

An error occurred during the mount operation.

System action

Processing stops.

User response

Check the command-line output for the messages that specify what problems were encountered during the operation.

FMV3175E: The VM mount cleanup failed.

Explanation

An error occurred during the mount cleanup operation.

System action

Processing stops.

User response

Check the command-line output for the messages that specify what problems were encountered during the operation.

FMV3176W: Unable to locate the Windows user or group named '*name*'. The share is not created.

Explanation

IBM Storage Protect was unable to map the specified user or group name to a Windows security identifier.

System action

The Windows share is not created. The operation continues.

User response

One common reason for this message is that the specified user or group does not exist. Ensure that the Windows user or group name exists and is accessible on the Windows data mover. If this is a domain user or group, the Windows data mover has to be part of that domain.

This message can also indicate that the Windows data mover is not able to access the active directory domain server. Ensure that network problems are not preventing the Windows data mover from communicating with the active directory domain server.

FMV3177E: No iSCSI target was connected. Check your iSCSI options for backup-archive client.

Explanation

No iSCSI target was found or connected on the Linux mount proxy machine.

System action

The operation is rolled back.

User response

Check that iSCSI is setup correctly on your Windows as well as your Linux mount proxy. One common reason for a failure is that the VMISCSIServeraddress option is not specified or is set incorrectly in the options file of the Windows data mover.

FMV3178E: Volume '*volume*' of type '*file_system_type*' has not been unmounted. System message:'*system_message*'

Explanation

An error occurred during the mount cleanup operation while unmounting the volumes on the Linux mount proxy machine.

System action

Processing stops.

User response

Ensure the file system is not in use and then try the cleanup operation again, or manually unmount the volume on the Linux mount proxy.

FMV3179W: Another folder share with the same name '*name*' already exists.

Explanation

IBM Storage Protect was unable to create a folder share with the specified name because a share with that name already exists.

System action

The folder share is not created. The operation continues and the VM disks are mounted for file restore on the mount proxy.

User response

Use operating system commands to create the share of the folder with a unique name and delete it before running the dismount operation.

FMV3180W: The parameter '*name*' contains characters that are not allowed and have been removed. Resulting value is '*new*'

Explanation

Some characters cannot be used on multi platform environments. To solve compatibly problems only a limited set of characters are allowed on this specific parameter.

Parameter "-MOUNTPoint" is restricted at [a-z][A-Z][0-9][:]/[\][_]

Parameter "-MOUNTTag" is restricted at [a-z][A-Z][0-9][_]

Parameter "-EXPORTParameter" is restricted on Windows at [a-z][A-Z][0-9][][-][_][\][@]

Parameter "-EXPORTParameter" is restricted on Linux at [a-z][A-Z][0-9][.][:]

System action

The operation continues with modified parameter.

User response

None

FMV3181E: The registry key HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\partmgr\Parameter is set to an other value than 3.

Explanation

If the registry key HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\partmgr\Parameters\CrPolicy is set to an other value than 3 it can be that the machine hangs during a mount operation. Change the value to 3 and reboot the machine.

System action

The operation stops.

User response

The registry key HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\partmgr\Parameters\CrPolicy is not documented by Microsoft. Sometimes this key is set to a value other than 3 what can lead to problems with the mount operation. Set the value to 3 and reboot the machine.

FMV3182E: The mount cleanup operation timed out waiting *minutes* minutes for response from Linux Mount Proxy.

Explanation

The Windows Mount Proxy didn't receive any response from Linux Mount Proxy within the given timeout. The Linux Mount Proxy is possible in hanging state.

System action

Processing stops.

User response

Check the status of Linux Mount Proxy machine and mount proxy trace file for more details. In the case of a complete system hang on umount, a reboot followed by manual mount cleanup of the Linux mount proxy machine may be required.

FMV3183E: Failed to revert volume mounted at .

Explanation

The volume revert operation failed. Try to mount the volume manually. Find it's snapshot and attempt the revert operation.

System action

The restore stops.

User response

Check IBM Storage Protect error log, Windows Event logs for more information.

FMV3184W: A duplicate device UUID has been found during the LVM activation phase of mount operation. The 'vgimportclone' system command was not able to generate a new UUID for the LVM device '*LVMdeviceName*' resulting in a duplicated UUID with the device '*LVMdeviceName2*' of the mount proxy machine. The device '*LVMdeviceName3*' has been excluded from the list of volumes to be mounted on the mount proxy. On some Linux distributions this device could still be present after the iSCSI disconnect phase and a manual cleanup could be required e.g. by using the 'dmsetup remove device_name' command.

Explanation

The '**vgimportclone**' command was not able to generate a new UUID for this LVM device, resulting in a duplicated UUID.

System action

The device of the target VM is skipped and not mounted. The operation continues.

User response

This problem has been observed on some Linux distributions where the '**vgimportclone**' command was not able to generate a new UUID. In such case the '**iscsiadm -m node -T ... --logout**' command may not be able to remove such devices and a manual cleanup could be required e.g. by using the '**dmsetup remove device_name**' command. Note that such situation could be also a signal that the target VM was cloned from same template as the mount proxy. To resolve the duplicated devices introduced due to a VM machine clone, check the block devices of the target VM by using the '**blkid**' command and make sure that no duplicate UUIDs are present with the mount proxy machines. If a duplicate device belongs to the target VM and it is used, you need to assign it a new UUID or remove such device.

FMV3185W: A duplicate device UUID is found on the mount proxy after the targets were connected. The device '*new_device_name*' with the UUID '*new_device_uuid*' of type '*new_device_type*' is excluded from the list of volumes to be mounted on the mount proxy.

Explanation

The Linux operating system cannot to mount devices of this type when the UUID already exists on the system. This situation occurs because the target virtual machine was cloned from the same template as the mount proxy.

System action

The device for the target virtual machine is not mounted. The operation continues.

User response

To resolve the duplicated devices that were introduced because of a virtual machine clone, check the block devices for the target virtual machine by using the '**blkid**' command and make sure that no duplicate UUIDs are present for the mount proxy machines. If a duplicate device belongs to the target virtual machine and the device is in use, assign the device a new UUID or remove the device.

FMV3186W: Opening and creating the block devices failed.

Explanation

It was not possible to get the list of block devices on the Linux mount proxy

System action

The file restore operation stopped.

User response

Check that the 'blkid' command is working correctly on the Linux mount proxy machine.

FMV3187W: Opening and creating the block devices failed.

Explanation

It was not possible to open the disk and create the block devices on the Linux mount proxy machine.

System action

The file restore operation stopped.

User response

Check that on the Linux mount proxy machine, the number of loop devices available are at least equal to the number of virtual machine disks to mount. The advanced VMware transport mode is not supported on the Linux mount proxy for file restore operations from local backups. Use the `vmvstortransport ndb` option in the server stanza of the mount proxy options file. If you want to use NBDSSL, remove the `/opt/tivoli/tsm/client/ba/bin/lib64/libdiskLibPlugin.so` library and use the `vmvstortransport ndbssl` option.

FMV3401W: The entity *name* is invalid.

Explanation

A volume with this name could not be found or is not suitable for server-free operations.

System action

Processing stopped.

User response

Specify the correct name.

FMV3402W: *name*: A system call *func* failed with code *rc*.

Explanation

An error occurred while obtaining information from the operating system. The volume information could not be obtained.

System action

Processing can continue if the information being obtained is not critical for the operation or if it is expected behaviour in the context of the operation being performed.

User response

Check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3403W: Volume *name* cannot be opened for reading. System error code is *err*.

Explanation

The named volume could not be opened. Examples of why this can occur include, but are not limited to: the device is not a valid system device, the device is locked by another application, or the user does not have correct or permissions. The operating system error code shown in the message indicates the specific reason for the failure.

System action

Processing stops.

User response

Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3404W: An error occurred reading volume *name*.

Explanation

The named volume could not be read. Examples of why this can occur include, but are not limited to: the data being read is outside the valid range of the volume, or the device is locked by another application. The operating system error code shown in the message indicates the specific reason for the failure.

System action

If server-free data movement is used, processing continues using non-server-free data movement. Otherwise processing stops.

User response

Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3405W: File system *fs* on volume *name* is unknown.

Explanation

The file system on the volume is not supported for the operation being performed.

System action

If server-free data movement is used, processing continues using non-server-free data movement. Otherwise processing stops.

User response

Check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3406I: Not enough space is available to update the last backup status for virtual machine '*vm*'.

Explanation

The virtual machine is backed up successfully, but there is insufficient space available to write the last backup status in the 'Notes' field for the virtual machine.

System action

The backup operation completed.

User response

Free some space in the 'Notes' field for the virtual machine if the the last backup status is needed.

FMV3407W: *name* is not local.

Explanation

The drive or filesystem is not local and is not suitable for image backup.

System action

Processing stopped.

User response

Specify a volume that is local.

FMV3408E: System call 'umount' failed for volume '*volume*' with errno='*error*'. Please take suitable action based on errno and retry the operation.

Explanation

Umount failed for the specified volume with the indicated errno. Please take suitable action based on errno and retry the operation.

System action

Processing stopped.

User response

Check errno for umount failure and take corrective action before retrying the operation.

FMV3409W: An error occurred writing to volume *name*.

Explanation

IBM Storage Protect could not write to the named volume. Examples of why this can occur include, but are not limited to: the data being written is outside the valid range of the volume, or the device is locked by another application. The operating system error code shown in the message indicates the specific reason for the failure.

System action

Processing stops.

User response

Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3410E: The operating system refused a request for memory allocation.

Explanation

The process requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.

- The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.

- Some other error condition occurred that caused the program to think it is out of memory.

System action

The process cannot complete the requested operation.

User response

Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high level directories, run the IBM Storage Protect task serially for each directory. If the task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, check to see if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMV3411E: Invalid arguments were passed to function *name*.

Explanation

The named function did not receive correct arguments to proceed. Please check error log for additional errors following this one for further explanation.

System action

Processing stops.

User response

Retry the operation. If problem persists contact your IBM Storage Protect administrator.

FMV3412I: DiskMapper does not support *name* for entity *name*.**Explanation**

The requested function is not implemented in DiskMapper at this time. Please report this error to your IBM Storage Protect administrator.

System action

Processing stops.

User response

Contact your IBM Storage Protect administrator.

FMV3413I: DiskMapper object '*name*' type '*name*' is not valid.**Explanation**

The named object is not valid on the originating client system.

System action

Processing stops.

User response

Retry the operation. If the problem persists, review the client error log for other messages that might be related to this problem. Contact your IBM Storage Protect administrator for additional help.

FMV3414I: Disk '*name*' is not part of any container defined on the system.**Explanation**

None.

System action

None. This is informational message.

User response

None.

FMV3415W: At least one of the disk containing data for '*name*' has bad blocks.**Explanation**

One or more physical disks containing data blocks of the above object has bad blocks and the requested operation can not continue.

System action

The system may find a work-around to complete the requested operation, please check console log and error log for additional information on corrective actions taken or suggested user action.

User response

Depending on the operation the process may suggest an alternate way to complete the operation. Check your error log, sched log, or console log for additional information.

FMV3416E: The volume '*name*' is currently in use by other process.

Explanation

The operation requires exclusive access to the volume. The most likely cause of this failure is that other process on the system has the volume opened.

System action

Processing stopped.

User response

Check applications running on your system to ensure that volume is not opened by any if the process and then retry the operation.

FMV3417W: *name*: A system call *func* failed with code *rc* - *strerror*

Explanation

An error occurred while obtaining information from the operating system. The volume information could not be obtained.

System action

Processing can continue if the information being obtained is not critical for the operation or if it is expected behaviour in the context of the operation being performed.

User response

Check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV3418W: Memory allocation request for image backup operation was refused by the operating system.

Explanation

IBM Storage Protect requires access to memory in order to store information about used blocks of a file system. In this case, more memory was requested than the operating system would allocate.

System action

If `imagegapsize` is too small for a dedicated filesystem and the client faces out-of-memory condition then the client automatically switches to full volume backup. Operation continues with `imagegapsize = 0`.

User response

Some recommendations to avoid the out-of-memory condition:

check to see if the memory resource limit is too low by entering the following command: `ulimit -a` Then you can ask the UNIX system root user to increase memory limit.

increase the value of the `imagegapsize` option. The bigger `imagegapsize` is used, the less memory is needed for image backup, but more unused data is sent to server. And vice versa: the smaller `imagegapsize` is used, the more memory is needed for backup, but less unused data is sent to server. The outcome also depends much on how data is spread on the volume.

FMV3419W: Failed to mount the VSS snapshot for integrity check on virtual machine '*vmname*'. Integrity check is skipped and the Microsoft Exchange Server transaction logs are not truncated.

Explanation

The virtual machine snapshot must be mounted to verify the integrity of the Microsoft Exchange Server database files. The snapshot for the specified virtual machine was unable to be mounted. As a result, the operation did not verify the integrity of the Microsoft Exchange Server database files.

System action

The backup operation continues without an integrity check and the Microsoft Exchange Server transaction logs are not truncated.

User response

To prevent this error, configure a connection from the guest virtual machine to the ESXi host. Then, try the operation again.

FMV4000E: Error processing '*file space - name*': file space does not exist.

Explanation

The specified file space (domain) is incorrect or does not exist on the workstation. If the message results from the BACKUP IMAGE command with the `-MODE=INCREMENTAL` option, it means that you have entered the name of a raw logical volume. The `MODE=INCREMENTAL` option is not valid for raw logical volumes.

System action

Processing stops.

User response

Try the operation again, specifying an existing domain (drive letter or file system name). If the message resulted from improper use of the `MODE=INCREMENTAL` option, try the command again, omitting that option.

FMV4001E: The file space for domain '*file space - name*' could not be found on the IBM Storage Protect server.

Explanation

The specified file space was expected to be found on the server, but it no longer exists. It is possible that a command was issued to delete the file space from the server while the current operation was in progress.

System action

IBM Storage Protect processing stops.

User response

Try the operation again. If the problem recurs, check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV4002E: Error processing '*filespace-name*': volume label does not exist

Explanation

The selected drive does not have a label.

System action

IBM Storage Protect is unable to do the requested operation without a drive or label entered.

User response

If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

FMV4003E: Error processing '*filespace-name*': duplicate volume label encountered

Explanation

The selected drive has a duplicate volume label. Because IBM Storage Protect uses the volume label to keep track of backup/archive information, it cannot back up or archive files from a drive with a duplicate volume label.

System action

IBM Storage Protect cannot select the drive.

User response

If the volume needs to be available to the system, exit IBM Storage Protect, and assign a volume label to the drive. Restart IBM Storage Protect and retry the operation.

FMV4004E: Error processing '*filespace namepath-namefile-name*': destination file or directory is write locked

Explanation

The file or directory being restored or retrieved from the server cannot be written to because the destination is write locked. Another operation might have the file open and will not allow it to be updated.

System action

File skipped.

User response

Either determine which operation has the file write locked, or restore the file to another name or location.

FMV4005E: Error processing '*filesystem namepath-namefile-name*': file not found

Explanation

The file being processed for backup, archive or migrate no longer exists on the client. Another process deletes the file before it can be backed up, archived or migrated by IBM Storage Protect.

System action

File skipped.

User response

None.

FMV4006E: Error processing '*filesystem namepath-namefile-name*': directory path not found

Explanation

The operating system returned a "path not found" status when IBM Storage Protect attempted to access the directory. You either have specified a directory that does not exist, as shown in the message (*path-name*), or the directory being processed no longer exists on the client because another process deleted it before it could be backed up or archived by IBM Storage Protect.

System action

The directory is skipped, processing continues

User response

Recheck all spelling and punctuation, particularly the placement of directory delimiters (for example, "\"). Correct the syntax if it is incorrect, then retry the operation. Ensure that the path is specified correctly and that the directory actually exists. Retry the command with the corrected path and directory name. If you cannot correct the directory name, use the Exclude option to exclude the directory from the operation.

FMV4007E: Error processing '*filesystem namepath-namefile-name*': access to the object is denied

Explanation

Access to the specified file or directory is denied. You tried to read from or write to a file and you do not have access permission for either the file or the directory.

System action

Processing stopped.

User response

Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

FMV4008E: Error processing '*filesystem namepath-namefile-name*': file is temporarily unavailable

Explanation

File is temporarily unavailable.

System action

File skipped.

User response

Check and see if file is locked by other process. If not, retry the command.

FMV4009E: Error processing '*filesystem namepath-namefile-name*': disk full condition

Explanation

No more files can be restored or retrieved because the destination disk is full.

System action

The client prompts you for action:

- Retry this object
- Skip this object
- Abort the action

User response

Select the appropriate action for this object. Create some free space on the destination disk before you retry the operation. Another option is to restore or retrieve the file to another disk.

FMV4010E: Error processing '*filesystem namepath-namefile-name*': stale NFS handle

Explanation

An NFS file system becomes stale.

System action

File system skipped.

User response

Verify that the NFS file system is mounted. If the problem persists, unmount and remount the file system, then try the operation again.

FMV4011E: Error processing '*filesystem namepath-namefile-name*': no file handles available

Explanation

All file handles for your system are currently in use. No more are available.

System action

Processing stopped.

User response

Either free some file handles by ending other processes, or modify your system setup to allow for more files to be open at the same time.

FMV4012E: '*filesystem namepath-namefile-name*' already exists. It will be skipped.

Explanation

The client tried to restore or retrieve the specified file, but the file already existed in the target restore location and the user chose not to replace the existing file.

System action

The file is skipped, a message is logged in dsmerror.log, and restore or retrieve processing continues with the next object.

User response

The file was skipped because either REPLACE NO was in effect, causing all existing files and directories to be skipped, or REPLACE PROMPT was in effect, and when prompted, the user chose to skip this file or all existing directories and files. No additional action is necessary if the decision to skip the file was deliberate. Otherwise the operation can be retried using either REPLACE ALL REPLACE PROMPT.

FMV4013E: Error processing '*filesystem namepath-namefile-name*': invalid file handle

Explanation

An internal system error occurred. A file operation failed because an invalid file handle was passed.

System action

Processing stopped.

User response

Report the problem to your system administrator, and then retry the operation.

FMV4014E: Error processing '*filesystem namepath-namefile-name*': unknown system error (*error-code*) encountered. Program ending.

Explanation

An unrecognized and unexpected *error-code* occurred within the client program. This is a programming failure and the client program ends.

System action

processing stops.

User response

Try the operation again. If the problem continues, report the error to your IBM Storage Protect administrator.

FMV4015E: Error processing '*filesystem namepath-namefile-name*': unexpected IBM Storage Protect error (*error-code*) encountered

Explanation

An unexpected error occurred. This might be a low-level system or communication error that IBM Storage Protect cannot handle or recover from.

System action

processing stops.

User response

Try the operation again. If the problem continues, look for other indications of system problems to determine where the problem exists. Most systems have error or event logs which may contain additional information. See your system administrator or IBM Storage Protect administrator for further help.

FMV4016E: Error processing '*filesystem namepath-namefile-name*': file is being executed; write permission denied

Explanation

The current file cannot be opened to write to because it is currently being run by another operation.

System action

File skipped.

User response

Stop the operation that is running the file and retry the operation, or restore or retrieve the file to a different name or directory.

FMV4017E: Error processing '*filesystem namepath-namefile-name*': too many symbolic links were detected while resolving name

Explanation

While trying to resolve the file name, too many symbolic links were found.

System action

File skipped.

User response

Ensure that you do not have a looping symbolic link for the file.

FMV4018E: Error processing '*filesystem namepath-namefile-name*': file name too long

Explanation

The file name specified is too long to be handled by IBM Storage Protect.

System action

File is skipped.

User response

See the appropriate *Using the Backup-Archive Client* book for the particular operating system, for the file names that are handled by IBM Storage Protect.

FMV4019E: Error processing '*filesystem namepath-namefile-name*': file system is locked by system

Explanation

File system cannot be accessed because it is locked by the system.

System action

IBM Storage Protect cannot complete the operation.

User response

See your system administrator.

FMV4020E: The data format for object '*filesystem namepath-namefile-name*' is unknown. The unknown format usually occurs when the file was backed up or archived by a later version of IBM Storage Protect.

Explanation

When a file is backed up or archived, IBM Storage Protect includes some additional information about the file. This message is issued if IBM Storage Protect cannot recognize the information during a restore or retrieve operation. The most likely cause is that the file was backed up or archived with a newer version of IBM Storage Protect. If the file was backed up from a case-preserving but not case-sensitive file system, the file name might be displayed with incorrect casing. The incorrect casing does not otherwise affect processing since the file is skipped.

System action

The file is not restored or retrieved. Processing continues with the next file.

User response

Try the restore or retrieve operation again with a current version of the IBM Storage Protect client software. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV4021E: Error processing '*filesystem namepath-namefile-name*': file system not ready

Explanation

The file system/drive was not ready for access.

System action

Processing stopped.

User response

Ensure that the drive is available to IBM Storage Protect, and then retry the operation.

FMV4022E: Error processing '*filesystem namepath-namefile-name*': file system is invalid.

Explanation

The drive was not available for access.

System action

processing stops.

User response

Ensure that the drive is operational, and then try the operation again. If this is unsuccessful, check the error log.

FMV4023E: Error processing '*filesystem namepath-namefile-name*': file input/output error

Explanation

An error was found while reading from or writing to the file.

System action

File skipped.

User response

Check your system to ensure that it is operating properly. For OS/2, run CHKDSK /F for the failing drive which can be found in dserror.log.

FMV4024E: Error processing '*filesystem namepath-namefile-name*': file write error

Explanation

An error was found while writing to the file.

System action

File skipped.

User response

Check your system to ensure that it is operating properly.

FMV4025E: Error processing '*filesystem namepath-namefile-name*': file exceeds user or system file limit

Explanation

A file being backed up/restored or archived/retrieved exceeds system set limits for this user. Shown below are the filesize limits corresponding to various platforms.

AIX

68,589,453,312 (64GB)

HP-UX

1,099,511,627,775 (1TB-1)

Linux

2,147,483,647 (2GB)

Mac pre-OS9

2,147,482,624 (2GB-1K)

Mac OS9

18,446,744,073,709,551,616 (16EB)

NetWare

4,294,963,200 (4GB -4KB)

NUMA-Q DYNIX/ptx

4.5 1,095,216,660,480 (1TB-4GB)

OS/390

4,294,967,295 (4GB)

SGI

18,446,744,073,709,551,615 (16EB-1)

Solaris 2.6 or higher

1,099,511,627,775 (1TB-1)

Tru64 UNIX

1,099,511,627,776 (1TB)

UnixWare

2,147,483,647 (2GB)

Windows ME (FAT32)

4,294,967,295 (4GB)

Windows NT/2000 (NTFS)

17,592,185,978,880 (16TB-64K)

System action

File skipped.

User response

Ensure that the system limits are set properly.

FMV4026W: Error processing '*filesystem namepath-namefile-name*': size of '*file-size*' exceeded the maximum file size limit on your system

Explanation

You tried to restore or retrieve a file that has exceeded the maximum file size limitation on your system.

System action

IBM Storage Protect cannot restore or retrieve the file.

User response

Restore or retrieve this file on a system that supports the file size. See your system administrator.

FMV4027S: Error processing '*filesystem namepath-namefile-name*': internal program message '*value*' encountered

Explanation

An unexpected catastrophic program failure occurred, indicated by *value*.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, see your system administrator or service representative.

FMV4028E: Error processing '*filesystem namepath-namefile-name*': cannot create file/directory entry

Explanation

The directory path for files being restored or retrieved cannot be created.

System action

File skipped.

User response

Ensure that you have the proper authorization to create the directory for file being restored or retrieved.

FMV4029E: Error processing '*filesystem namepath-namefile-name*': unable to build a directory path; a file exists with the same name as a directory

Explanation

IBM Storage Protect tried to create a directory path, but is unable to because a file exists that has the same name as a directory.

System action

Processing stopped.

User response

Remove the file that has the same name as the directory. Refer to the last restore/retrieve operation and check all directories along the path.

FMV4030E: Error processing '*filesystem namepath-namefile-name*': disk space limit for this process reached

Explanation

The disk space allocated for the client owner is full.

System action

Processing stopped.

User response

Free up disk space and retry the restore or retrieve operation.

FMV4031E: Error processing '*file_space_namepath_namefile_name*'. Name exceeds an internal IBM Storage Protect limit.

Explanation

During a file operation, IBM Storage Protect encountered a filename where at least one component of the file name (file_space_name, path_name or directory_name or file_name) exceeded an internal IBM Storage Protect maximum. The internal IBM Storage Protect limits should not be confused with the operating system limits for file_space_name, path_name or directory_name, file_name.

Shown below are the IBM Storage Protect internal file name limits for various platforms.

AIX HP-UX Solaris	
File_space_name	1024
Path_name or directory_name	1023
File_name	256
Linux	
File_space_name	1024
Path_name or directory_name	768
File_name	256
Windows XP/2000/2003	
File_space_name	1024
Path_name or directory_name	248
File_name	248

System action

The file is skipped.

User response

Reduce the size of the filename so that it is smaller than the IBM Storage Protect internal limits.

FMV4032E: Error processing '*file_space_namepath_namefile_name*': file is not compressed.

Explanation

A file that was flagged as compressed was not compressed, and the system failed.

System action

Processing stopped.

User response

See your system administrator to report this problem. This error is a system failure.

FMV4033E: Error processing '*file_space_namepath_namefile_name*': file compressed on a different client machine that has more memory

Explanation

You are trying to restore a file that was backed up and compressed on another client workstation that had more memory than your client workstation. You cannot restore this file. When the file is restored, it is expanded and your workstation does not have enough memory.

System action

IBM Storage Protect canceled the operation.

User response

Obtain a machine with more memory and retry the operation.

FMV4034E: Error processing '*filespace namepath-namefile-name*': unknown system error**Explanation**

An unknown error occurred. This might be a low-level system or communication error that IBM Storage Protect cannot handle or recover from.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, determine where the problem exists. See your system administrator for further help.

FMV4035W: File '*filespace namepath-namefile-name*' currently unavailable on server.**Explanation**

You tried to restore or retrieve a file that is currently not available from the IBM Storage Protect server.

System action

IBM Storage Protect Cannot restore or retrieve the file.

User response

Try to restore or retrieve after the file was made available on the server. See your system administrator.

FMV4036E: An error occurred saving the registry key.**Explanation**

The active registry key cannot be copied to the ADSM.SYS staging directory.

System action

Registry backup operation terminates.

User response

Check the space available on the Windows boot partition to ensure there enough space to contain a copy of the Windows registry. This might require several megabytes of free space. Also check the Windows permissions on the ADSM.SYS staging directory and ensure that the Windows user under which you are running IBM Storage Protect has full access to that directory and its contents.

FMV4037E: Object '*file-namefile-namefile-name*' changed during processing. Object skipped.

Explanation

The specified *file-name* was skipped during backup, archive, or migrate because it was changing during the attempt to process it.

System action

IBM Storage Protect skipped the object.

User response

If you want the file backed up, archived, or migrated, retry the operation. If it fails, determine why the object is being changed. For more information on backing up, archiving, or migrating changing objects, see your system administrator.

FMV4038E: An error occurred processing file system '*filesystem name*'.

Explanation

File system '*filesystem name*' is corrupted or contains one or more corrupted directories and cannot be processed.

System action

File system is skipped.

User response

Check your system to ensure that it is operating properly. For the Windows environment, run CHKDSK utility for the failing drive. More information about corrupted directories can be found in dsmerror.log.

FMV4039E: Error processing '*filesystem namepath-namefile-name*': compressed file is corrupted and cannot be expanded.

Explanation

The compressed file cannot be expanded correctly due to one of the following reasons:

- There is a problem on the tape.

- There is a communications problem.

- The compressed file was corrupted on the IBM Storage Protect Server.

System action

File skipped.

User response

1) The compressed file is corrupted because there is a problem on the tape. To know if this is the problem, please issue the following command on the IBM Storage Protect Server: audit volume <volume_name> fix=no If there is any problem reported, you could move the data from that volume to a new one (see command MOVE DATA) and try again the restore. 2) There are communications problems between the IBM Storage Protect Server and the IBM Storage Protect Client and the results is that the file is corrupted during the transmission. If you use a gigabit ethernet adapter on the Server please upgrade the card driver (AIX platform) or add provided by SUN suggested changes to some system network options which have resolved this problem (SUN platform).

3) Please verify with your network support if during the restore there are no any problems between the IBM Storage Protect Client/Server that is originating the file corruption.

FMV4040E: Error processing '*filesystem namepath-namefile-name*': file system *filesystem name* has exceeded its space management quota.

Explanation

IBM Storage Protect detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action

IBM Storage Protect will not migrate files from this file system.

User response

Recall some files, or ask the system administrator to increase the quota for this file system.

FMV4041E: A Windows Server 2008 or 2008 R2 VMware guest cannot be restored with a non-Windows data mover.

Explanation

A Windows data mover must run certain commands to complete the restore of the Active Directory. Non-Windows data movers do not have the necessary tools to complete this operation. Windows VMware guests that are at Windows Server 2012 or higher are not affected by this restriction.

System action

Processing stops.

User response

Use a Windows data mover to complete this action.

FMV4042E: Object name '*filesystem namepath-namefile-name*' contains one or more unrecognized characters and is not valid.

Explanation

The file name, directory name, or volume label syntax is incorrect.

System action

The file is skipped.

User response

Check the disk for errors.

FMV4044E: Error processing '*filesystem-namepath-namefile-name*': Case-sensitive name conflict exists.

Explanation

While processing the specified file on the workstation, another file name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the file is skipped.

System action

This object will be skipped.

User response

Rename the file in question to a unique name.

FMV4045E: Error processing '*filesystem-namepath-namefile-name*': Case-sensitive name conflict exists. The directory tree will be skipped.

Explanation

While processing the specified file on the workstation, another object name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the directory and all of the objects contained within it are skipped.

System action

This object will be skipped.

User response

Rename the file in question to a unique name.

FMV4046E: There is an error processing '*filesystem-namepath-namefile-name*': the object is corrupted and unreadable.

Explanation

You tried to read from or write to a file or directory that is corrupted. The corrupted file is skipped. If this is a directory, the objects contained in the directory and its subdirectories are skipped.

System action

This object will be skipped.

User response

Check your system to ensure that the filesystem is not corrupted by using system tools like chkdsk (Windows) or fsck (UNIX).

FMV4047E: There is a read error on '*file-namefile-namefile-name*'. The file is skipped.

Explanation

The specified *file-name* was skipped during backup archive because the file could not be read.

If you are performing a JFS2 snapshot based operation, it is possible that the snapshot was not large enough to contain all the changes made to the filesystem after the snapshot was created. This could cause the snapshot to become invalid thereby preventing IBM Storage Protect client from reading the snapshot.

System action

IBM Storage Protect skipped the file.

User response

Check your system to ensure that it is operating properly.

If you are performing a JFS2 snapshot based operation, please use the default snapshotcachesize of 100% and ensure that the volume group has sufficient disk space to allocate snapshots at least as large as the file system and retry the operation.

FMV4048W: LAN-Free connection failed.

Explanation

ENABLELANFREE option is set to YES for this session, but an attempt to establish LAN-Free connection failed.

System action

The IBM Storage Protect client will failover to non LAN-Free support.

User response

Review the IBM Storage Protect error.log for LAN-Free failures. Check your LAN-Free setup and verify that all components are working properly.

FMV4049I: Established LAN-Free connection.

Explanation

ENABLELANFREE option is set to YES for this session and the IBM Storage Protect client successfully established LAN-Free connection with server, after the LAN-Free connection was broken.

System action

The IBM Storage Protect client will communicate with the server via LAN-Free.

User response

Review the IBM Storage Protect error.log for LAN-Free errors. Check your LAN-Free setup and verify that all components are working properly.

FMV4050W: Scheduled action '*schedule-action*' did not execute for schedule '*schedule-name*' as the IBM Storage Protect administrator has been disabled from executing the scheduled action on the client.

Explanation

One or more of the client options - schedcmddisabled, srvprepostscheddisabled, srvprepostsnapdisabled, restretrscheddisabled, have been set to YES on the client thereby preventing the IBM Storage Protect administrator from executing one of the following scheduled actions on the client - preschedule, postschedule, presnapshot, postsnapshot or scheduled operating system commands, restore or retrieve operations.

System action

The scheduled operation will not be executed and a message will be logged to IBM Storage Protect Server indicating this.

User response

None required.

FMV4051E: Error processing '*filespace namepath-namefile-name*': The decryption option is in effect, but the user ID under which back-up or archive is being run is not authorized to decrypt this encrypted-file-system (EFS) file.

Explanation

The file being processed is encrypted by an encrypted file system (EFS). The option is specified to back-up or archive the file in decrypted form. The user ID under which the back-up or archive is being run does not have decryption rights for this file.

System action

The file is skipped.

User response

There are three possible ways to make decryption work:

- Re-encrypt the file under the encryption key of a group to which both the owner and the back-up/archive user IDs belong
- Add the back-up/archive user ID to the list of users authorized to decrypt this file
- Run the back-up or archive under the owner's user ID, if possible

FMV4052E: Error processing '*filespace namepath-namefile-name*': Encrypted-file-system (EFS) file cannot be restored, because file system does not support restore from the raw-EFS back-up data, or possibly because the restore function does not have write access to the directory.

Explanation

The file being processed is encrypted by an encrypted file system (EFS). The file was backed up in the raw encrypted format. Either the target filesystem does not support the encrypted format, or restore does not have write access to the directory to which the file is to be restored.

System action

The restore is terminated.

User response

- The file cannot be restored to this location if the file system is not the AIX Enhanced Journaled File System (JFS2)
- If the file is JFS2 but EFS is not enabled, then EFS must be enabled before the file can be restored
- If the user ID under which restore is being run does not have write permission for the directory, the permissions must be changed or the restore must be run under a different user ID

FMV4053E: Error processing '*filesystem path filename*': The file cannot be restored because the file system or operating system does not support the Encrypting File System (EFS) data.

Explanation

The specified object was backed-up as raw Encrypting File System (EFS) data. The client is trying to restore or retrieve the object to a destination that does not support the EFS data. The location might not support the EFS data for one of the following reasons:

- The operating system does not provide the support, or is a release that does not include the support
- EFS support has not been activated on the operating system
- The target file system does not support the EFS data

System action

The object is not restored or retrieved. Processing continues with the next object.

User response

If this file must be restored, restore it to an AIX operating system environment supporting EFS data.

FMV4054E: Error processing '*filesystem namepath-namefile-name*': The encryption key is not loaded.

Explanation

The file being processed is encrypted by an encrypted file system (EFS). The option is specified to backup or archive the file in decrypted form. The encryption key, required to decrypt the file, is not loaded in the kernel keyring.

System action

The file is skipped.

User response

There are three situations in which this problem can occur:

- You just performed initial activation of EFS on the AIX system, and have not logged out. AIX does load the keys for the session running at the time of initial activation. Solution: Logout and login again.
- The login password has been changed recently, and you normally run with the EFS password the same as the login password. AIX does not automatically change the EFS password when you change the login password. Solution: Issue 'efskeymgr -n' to set the EFS password to be the same as the login password.

- You need to run the decrypting backup when the EFS password is different from the login password.
Solution: Issue 'efskeymgr -o ksh' to launch a new shell with the keys loaded. AIX will prompt you for the EFS password as you launch the shell. Run the backup from the new shell.

FMV4055E: Cannot update file space '*file space - name*': the file space version on the IBM Storage Protect server is not compatible with this client

Explanation

The file space on the IBM Storage Protect server is not compatible with this client. This is caused by performing a backup or archive operation with a client and then using a down-level client and attempting a backup or archive operation targeting the same file space. This problem occurs specifically after a Windows or AIX client V6.1 or higher performs a backup or archive operation and then a subsequent backup or archive operation is attempted with a client V5.5 or lower.

System action

Processing stops.

User response

Use the correct level of the client.

FMV4056E: Object '*object - name*' returned by the IBM Storage Protect server has a high-level name that exceeds the maximum length of 6000 characters. The file or directory cannot be processed.

Explanation

The IBM Storage Protect server returned information about a backup or archive version with a high level name that exceeds 6000 characters. The high-level name is the directory path that contains the object (file or directory).

This message is displayed when all of the following conditions are true:

- The object was backed up or archived by a version 6.1 or lower IBM Storage Protect client.
- The object was backed up or archived to a version 5.5 or lower IBM Storage Protect server.
- IBM Storage Protect client version 6.2 or higher is attempting to perform an operation that causes the IBM Storage Protect server to return information about this object to the client. Note: During incremental backup, the server returns information to the client about active backup versions which is used to determine which files have changed.

Beginning with IBM Storage Protect server version 6.1, the maximum high level name length was reduced from 8192 characters to 6000 characters. Objects with high level names that exceed 6000 characters are not supported for backup or archive. Beginning with IBM Storage Protect backup-archive client version 6.2, the maximum high level name length was similarly reduced.

System action

The file or directory specified in the message is skipped. Processing will continue with the next object.

User response

Contact your IBM Storage Protect server administrator for further assistance.

FMV4058I: A write failure occurred while attempting to save node replication failover values to the options file.

Explanation

A write failure is often a result of insufficient access permissions to the options file, but could also be caused by the lack of available disk space. The replication server connection information can not be saved and failover will not be possible.

System action

The operation failed.

User response

Check the local disk for possible causes of the write error, and check to see that sufficient access to the options file is configured.

FMV4059I: The option USEREPLICATIONFailover is set to NO. The node will not fail over to the secondary server

Explanation

This option will prevent the node from connecting to the replication server in the event of a failure of the primary server.

System action

The client will not connect to the primary server and processing stops.

User response

No response is required.

FMV4061I: Connected to secondary server *secondary server*; in fail over mode. Home server is: *home server*;

Explanation

The node is configured for replication and has successfully connected to the secondary server. This message is to notify the server administrator that a node has connected to the secondary server in fail over mode.

System action

Processing continues.

User response

None.

FMV4063W: IBM Storage Protect application protection cannot copy the application metafile '*App-Metadata-File-Name*' from the following VM: '*VM-Name*'. Individual database restore from this backup is not supported. Check health of application writers and databases

Explanation

The application metafile was not found on the guest machine.

System action

The operation completes. However, the application metafile was not copied.

User response

Make sure that the application VSS writers are running on this guest machine, and the application database is in the state to allow the backup. For Exchange check that databases are mounted. For SQL check databases are online. Then try the operation again.

FMV4064I: Restoring vCloud Director vApp '*vapp name*' from Organization VDC '*org vdc name*' from organization '*org name*' Target vApp name is '*restored vapp name*' Restore VAPP command started. Total number of vApps to process: *vapps num to restore*

Explanation

The restore vApp operation completed.

System action

This message is for informational purposes only.

User response

No action is required.

FMV4065E: Proxy rejected: data mover node '*dm node*' has not been granted proxy authority for target node '*target_node*', associated with Organization vDC '*OVDC name*' of Organization '*Org Name*'.

Explanation

The operation requires that a proxy access for the data center node is granted to the data mover node.

System action

Operation is canceled for the specified vApp.

User response

Run configuration wizard or configuration editor to configure proper nodes relationship.

FMV4066I: Snapshot operation attempt x of y for the guest virtual machine 'VM' failed using "*sType*" snapshot. Reattempting snapshot with "*sType2*" snapshot.

Explanation

The snapshot operation has failed. A snapshot retry operation has been scheduled.

System action

Retrying snapshot.

User response

Check the error log for any other messages that might indicate a reason for the failure. Correct any problems and try the operation again.

FMV4067E: Snapshot operation attempt x of y for the guest virtual machine 'VM' failed using "*sType*" snapshot. Backup failed.

Explanation

All snapshot retry attempts of the guest virtual machine failed.

System action

Processing stops.

User response

Check the error log for any messages that indicate a reason for the failure. Correct any problems and try the operation again. If the problem persists, search the IBM Storage Protect Support web site (<http://www.ibm.com/software/sysmgmt/products/support/IBMTivoliStorageManager.html>) for known solutions.

FMV4068I: Restored virtual machine 'VM' was backed up using a "VMware Tools with file system quiescing and application quiescing disabled" snapshot. This is equivalent to a "crash-consistent" backup.

Explanation

The restored virtual machine was backed up using a "VMware Tools with file system quiescing and application quiescing disabled" snapshot. Application Protection feature is not available.

System action

Restore of the VM continues.

User response

None

FMV4069E: The Windows domain credentials cannot be found. Use the Data Protection for VMware vSphere GUI configuration editor to set the Windows domain credentials.

Explanation

The required Windows domain administrator credentials were not set.

System action

Processing stops.

User response

Set the Windows domain administrator credentials in the Data Protection for VMware vSphere GUI configuration editor.

FMV4070E: Windows domain credentials are incorrect. Verify the credentials and use dsmc SET PASSWORD -type=DOMAIN 'domain\userid' 'password' to update the username and password.

Explanation

The supplied credentials are incorrect. The system failed to authenticate to the Windows domain using these credentials.

System action

Processing stops

User response

Use dsmc SET PASSWORD -type=DOMAIN 'domain\userid' 'password' to update the username and password. And then retry the operation.

FMV4071E: 'VM-Name' cannot be restored because it was backed up with a newer version of the client.

Explanation

The client version that attempted to restore the virtual machine is earlier than the client version that backed up the virtual machine. The virtual machine cannot be restored with an earlier client version.

System action

The virtual machine is not restored. Processing continues with the next virtual machine.

User response

Upgrade the client to a version that is compatible with the client version that backed up the virtual machine.

FMV4072E: Error processing '*filesystem namepath-namefile-name*': unable to create symbolic link; a file or directory exists with the same name as the symbolic link

Explanation

IBM Storage Protect tried to create a symbolic link, but is unable to because a file or directory exists that has the same name as the symbolic link.

System action

Processing stops.

User response

Remove the file or the directory that has the same name as the symbolic link. Refer to the last restore/retrieve operation.

FMV4073W: Snapshot operation attempt *x* of *y* for the guest virtual machine '*VM*' failed using "*sType*" snapshot. Reattempting snapshot with "*sType2*" snapshot.

Explanation

The snapshot operation has failed. A snapshot retry operation with different snapshot type has been scheduled.

System action

Retrying snapshot with different snapshot type.

User response

Check the error log for any other messages that might indicate a reason for the failure. Correct any problems and try the operation again.

FMV4077E: File '*filesystem namepath-namefile-name*' is encrypted by Microsoft EFS and contains at least one sparse data stream. The operating system does not support restore for this file so it is not backed up or restored.

Explanation

An error in the Microsoft Windows API prevents successful restore of files that meet the following conditions:

- The file is encrypted by Microsoft Encrypting File System (EFS) at the time it was backed up
- The file includes at least one data stream (alternate "named" stream or unnamed stream) that is sparse
- The operating system is any edition of Microsoft XP, Microsoft Windows Server 2003, or Microsoft Windows Server 2003 R2

Because the file cannot be restored, IBM Storage Protect does not back it up. The problem is documented by Microsoft at <http://support.microsoft.com/kb/2525290>.

System action

The file is not backed up or restored. Processing continues with the next object or ends if there are no further objects.

User response

If this message is issued during a backup operation, you can do the following:

- Disable EFS encryption for the file so that it can be backed up.
- If a backup copy of the file is not necessary, you can exclude it from backup.

FMV4078E: Content file content.spsig is missing, is damaged or failed the signature check.

Explanation

The file content.spsig is missing. Or the file is damaged or the signature of the file does not match. See client log file for more information.

System action

Processing stops.

User response

Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV4079E: One or more files failed the signature check.

Explanation

The signature of one or more files does not match the contents of content.spsig. See the client log file for more information.

System action

Processing stops.

User response

Make sure that the data in the Operations Center, such as the client package or Update Manager package, is correct or download the correct version in the Operations Center.

FMV4081E: Error processing '*filesystem-name*': file space type is not supported.

Explanation

The specified file space type is not currently supported by IBM Storage Protect on this platform.

System action

The unsupported file system is skipped. Processing continues with the next file system.

User response

Refer to the documentation for information on what file space types are supported.

FMV4083I: New node password has been generated.**Explanation**

The client logged in using administrative id rather than node name. New random node password has been generated and recorded.

System action

Processing continues.

User response

None.

FMV4084E: Error processing '*file*space-*name*path-*name*file-*name*': cannot get file status.**Explanation**

While processing the file, the lstat() call set EOVERFLOW error code.

System action

This file will be skipped.

User response

The file is skipped. Processing continues with the next file.

FMV4085I: Assigned '*number*' objects from previous systemstate backup to the new systemstate backup.**Explanation**

Objects in the previous System State backup have not changed and were assigned to the new System State backup.

System action

Processing continues.

User response

None.

FMV4086W: Failed to assign unchanged objects from previous systemstate backup to the new systemstate backup. Objects will be backed up.

Explanation

Objects in the previous System State backup have not changed and should be assigned to the new systemstate backup. Due to error assign operation failed and objects will be backed up.

System action

Processing continues.

User response

Retry the operation. If the problem persists, contact IBM Storage Protect technical support.

FMV4087E: An attempt to load data for the wizard failed. For more information, please see the log file.

Explanation

An attempt to load data for the wizard failed as the remote agent is probably unavailable.

System action

Processing stopped.

User response

Check the log for reason for the failure.

FMV4089W: File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. Perform a full incremental backup by specifying option createnewbase=migrate as soon as possible.

Explanation

The file server has been upgraded to a version that supports unicode file names for incremental backup using snapshot difference. Perform a full incremental in order to backup any files with unicode names that may have been skipped by the previous version of the IBM Storage Protect client.

System action

Processing continues.

User response

Perform a full incremental by specifying the command line option createnewbase=migrate with the snapdiff option as soon as possible.

FMV4090I: File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. Perform a full incremental backup by specifying option createnewbase=migrate as soon as possible.

Explanation

The file server has been upgraded to a version that supports unicode file names for incremental backup using snapshot difference. Perform a full incremental in order to backup any files with unicode names that may have been skipped by the previous version of the IBM Storage Protect client.

System action

Processing continues.

User response

Perform a full incremental backup by specifying the command line option createnewbase=migrate with the snapdiff option as soon as possible.

FMV4092E: Data mover platform is not supported for instant access/restore operations.

Explanation

The instant access/restore operation failed.

System action

The instant access/restore operation failed. The reason for the failure is unsupported platform.

User response

The instant access/restore operation should be performed from a supported data mover platform.

FMV4099E: The system volume cannot be identified. Therefore the system state cannot be backed up.

Explanation

The system volume contains the hardware-specific system state files that are needed to start Windows, such as Ntldr, Boot.ini, Ntdetect.com or Bootmgr. If the system volume cannot be identified, then these files cannot be backed up. Therefore it is not possible to back up the system state.

System action

Systemstate backup stops.

User response

Try the operation again. If the problem persists, obtain a service trace that captures the problem and contact IBM Storage Protect technical support for additional assistance. Your IBM Storage Protect administrator can help you configure the trace.

FMV4137E: Error processing '*filesystem namepath-namefile-name*': exceeded maximum number of links allowed

Explanation

Link cannot be restored or retrieved because the destination file system has exceeded maximum number of links allowed.

System action

The client prompts you for action:

- Skip this object
- Abort the action

User response

Select the appropriate action for this object. Restore or retrieve the link to another file system.

FMV4148E: Full VM backup of Virtual Machine '*vmname*' failed with RC *rc*

Explanation

The Full VM backup of virtual machine failed.

System action

The full backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4150E: Incremental backup of Virtual Machine '*vmname*' failed with RC *rc*

Explanation

The incremental backup of virtual machine volumes failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4151E: Failure mounting Virtual Machine '*vmname*'. RC=*rc*

Explanation

The VMware failed to mount virtual machine disk.

System action

The backup of the virtual machine can not continue. The next virtual machine in the vmlist will be processed. Refer to dsmerror.log for detailed error message for the reason for the failure.

User response

Refer to dsmerror.log for detailed error message.

FMV4152E: Failure initializing VMware virtual machine environment. RC=rc. Refer to IBM Storage Protect error log for detailed error messages.

Explanation

Failure initializing VMware virtual machine environment. Refer to IBM Storage Protect error log for detailed error messages.

System action

The backup can not continue.

User response

Refer to IBM Storage Protect error log for detailed messages.

FMV4153E: Hostname could not be found for Virtual Machine '*vmname*'

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4154E: Possible cause Virtual Machine is not running and does not have a static IP address.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4155E: Virtual Machine '*vmname*' could not be found on VMware server.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4156E: File level VM backup of virtual machine '*vmname*' not supported. File level VM backup not support on non Windows platform guest OS. Platform type: '*platform*'.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Back up the virtual machine using the VMBACKUPType=FULLvm option.

FMV4159E: Backup of Virtual Machine '*vmname*' failed. rc=*rc*.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4160E: Proxy Rejected: Proxy authority has not been granted to Agent Node: '*agent_node*' for Target Node: '*target_node*'.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is the node has not been granted proxy authority to access the node named by the backup proxy node. The IBM Storage Protect administrator must first grant proxy authority.

User response

The IBM Storage Protect server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV4161E: Duplicate virtual machine name '*vmname*' was detected in the same backup operation. Backup of virtual machine '*vmfulllname*' can not continue without a unique object name.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Choose a unique name for the virtual machine.

FMV4162E: The virtual machine '*virtual-machine-name*' has not been previously backed up.

Explanation

The specified virtual machine has not been previously backed up, so can not be specified for restore.

System action

The specified virtual machine is skipped, and the next virtual machine in the restore list is processed.

User response

Verify the virtual machine name to be restored, and re-try the operation.

FMV4164W: Compression is currently enabled, but the virtual machine backup for '*virtual-machine-name*' is not compressed because client-side deduplication is not being used.

Explanation

Compression can only be used with virtual machine CTL and Data files when the files are stored in a storage pool that is enabled for client-side deduplication. This message is issued when the client is configured for compression and virtual machine CTL or Data files are directed to a storage pool that is not enabled for client-side deduplication.

System action

Backup continues, and data is not compressed.

User response

If you intend to compress virtual machine CTL and Data files, then update your IBM Storage Protect configuration so that both types of files are directed to storage pools that are enabled for client-side deduplication. If you intend to compress virtual machine Data files but not CTL files, then update your IBM Storage Protect configuration so that the Data files are directed to a storage pool that is enabled for client-side deduplication. Set the VMSKIPCTLCOMPRESSION to YES in your client options file. If you do not intend to use compression, then set COMPRESSION NO in your client options file.

FMV4165E: Creating a Virtual Machine, but the hostname '*virtual-machine-name*' was not found.

Explanation

The Virtual Machine being creating must have a valid hostname to be created.

System action

Check the virtual machine hostname specified for correctness.

User response

Correct the virtual machine hostname specified and retry the restore.

FMV4166E: Creating a Virtual Machine, but the datacenter '*virtual-machine-name*' was not found. The name may be incorrect or may be located in a VMware folder and require the folder name such as vmfolder/dcname.

Explanation

The Virtual Machine being created must have a valid datacenter to be created.

System action

Processing stops.

User response

Check the virtual machine datacenter specified for correctness. If the datacenter is contained in a folder then the full datacenter name, complete with the folder path, must be specified, such as vmfolder/dcname.

FMV4167E: Creating a Virtual Machine, but the datastore '*virtual-machine-name*' was not found.

Explanation

The Virtual Machine being creating must have a valid datastore to be created.

System action

Check the virtual machine datastore specified for correctness.

User response

Correct the virtual machine datastore specified and retry the restore.

FMV4168E: VMware has reported an error via their SOAP interface. On the Detailed Status Report panel, view the last error message reported. Also check the error log for more information about the problem that occurred.

Explanation

The command to VMware failed to complete. The error returned is displayed on the Restore or Backup summary panel under the Last Error Message section.

System action

An error occurred, and the operation failed.

User response

Check the reported error and correct the problem. Usually the reason for the error is a user-supplied value which is not valid for the operation.

FMV4169E: A write failure occurred on the local disk proxy used to temporarily store the virtual machine virtual disk information. The write failure can be caused by the lack of available disk space on the drive used to store this information. The VMBACKDIR option can be used to assign a different disk location for this purpose. Check the drive being used and ensure that there is enough space available for this operation.

Explanation

There was a write error from the local disk used to store the virtual machine virtual disk information. Usually the write error is due to lack of disk space, lack of write permissions, or some similar problem with the local disk. The VMBACKDIR option can be used to assign a different disk location if the local drive does not have enough free space for the operation.

System action

A disk write error occurred, and the operation failed.

User response

Check the local disk for possible causes of the write error, and use the VMBACKDIR option to assign another disk if needed.

FMV4170E: Can not create a Virtual Machine on VMware release '*release-version-target*' which was backed up from VMware release '*release-version-source*'.

Explanation

The Virtual Machine being created was backed up from a version of VMware which is not compatible with the target VMware release version being used for the restore.

System action

Processing stops.

User response

Restore the Virtual Machine to a VMware system which is compatible with the level from which the Virtual Machine was backed up.

FMV4174E: Full VM backup of VMware Virtual Machine '*vmname*' failed with RC=*rc* mode=*full_or_incr*, target node name='*target_node_name*', data mover node name='*data_mover_node_name*'

Explanation

The Full VM backup of virtual machine failed.

System action

The full backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4177E: Full restore of VMware virtual machine '*vmname*' failed with RC=*rc*, mode='*restore_or_revert*', target node name='*target_node_name*', data mover node name='*data_mover_node_name*'

Explanation

The full restore of the virtual machine failed.

System action

The full restore of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4179I: IBM Storage Protect application protection did not truncate the Microsoft SQL Server logs on VM '*VM*'.

Explanation

The SQL server logs were not truncated because the following option was specified for this virtual machine: INCLUDE.VMTSMVSS vname OPTIONS=KEEPSQLLOG

System action

The operation completes.

User response

Remove the OPTIONS=KEEPSQLLOG option to enable truncation of the SQL logs when a backup completes.

FMV4187W: CPU and Memory Resource Allocation configuration settings cannot be restored when the IBM Storage Protect data mover node is connected directly to a Virtual Center managed ESX/ESXi host. These settings have been skipped.

Explanation

The VMware vStorage APIs do not support the restore of CPU and Memory Resource Allocation configuration settings when connected directly to an ESX/ESXi host that is managed by a Virtual Center.

System action

CPU and Memory Resource Allocation configuration settings are skipped. Processing continues.

User response

Virtual machine CPU and Memory Resource Allocation configuration settings will be restored when the IBM Storage Protect data mover node connects directly to a vCenter Server. Modify the VMCHOST to connect the IBM Storage Protect data mover to a vCenter Server.

FMV4191E: Restore VM operation failed using 'san' transport mode. In some cases switching from SAN to network-based VM restores can be successful.

Explanation

Restore VM operations that fail using SAN transport mode can often be successful over a LAN path. If a restore vm operation fails using the 'SAN' transport mode, set the client option VMVSTORTRFMVPORT to "nbd:nbdssl" and try the restore vm operation again.

System action

Restore VM operation failed using 'san' transport mode. Restore may be successful using 'nbd:nbdssl' transport modes.

User response

Restore VM operation failed using 'san' transport mode. In some cases network-based VM restores can be successful when using 'nbd' or 'nbdssl' transport modes. The VMVSTORTRFMVPORT option can be used to restrict the IBM Storage Protect client to use only the specified transport modes.

FMV4193E: vApp '*vApp name*' cannot be processed because data mover '*dm node*' cannot connect to the target node '*target_node*'.

Explanation

The operation requires that a proxy access for the data center node is granted to the data mover node.

System action

Operation is canceled for the specified vApp.

User response

Look for errors in error log and correct any problems. Run configuration wizard or configuration editor to ensure proper nodes configuration.

FMV4194E: Encryption is currently enabled, but is not supported for incremental forever backups of virtual machines (-MODE=IFFULL or -MODE=IFINCREMENTAL) .

Explanation

Client encryption of virtual machine incremental forever backups (-mode=IFFULL or -mode=IFINCREMENTAL) is not supported. In order to avoid the unintentional storage of unencrypted data on the server, the backup operation stops.

System action

The virtual machine backup stops.

User response

Remove the encryption options for this operation and run it again. You can use Secure Sockets Layer (SSL) encryption to encrypt the data over the network. If the backup data must be encrypted in IBM Storage Protect storage pools, use an alternative backup method such as full and incremental backups (-mode=FULL and -mode=INCREMENTAL), or in-guest backups.

FMV4195E: The target node for Organization VDC '*OrgVDC name*' in Organization '*Org name*' was not found. As a result, vApp '*vApp name*' cannot be backed up.

Explanation

Either the IBM Storage Protect node for the specified organization VDC was not found on the IBM Storage Protect server, or information about the Organization VDC node was not found in the Provider VDC node.

System action

Back up of the specified vApp stops. Processing continues to the next vApp.

User response

Go to the Configuration page and click 'Run the Configuration Wizard' to verify that all required IBM Storage Protect nodes are registered on the IBM Storage Protect server. If required, register a new data mover node. Make sure that the organization VDC belongs to the provider VDC that this data mover node protects.

FMV4199W: File '*file name*' is not backed up as part of the system state because cluster disk '*volume name*' is not accessible.

Explanation

The indicated file or directory was returned by VSS as part of the backup file list of the writer. However, the cluster disk where the file is located is not accessible. The reasons for this problem can be that the cluster disk is offline or belongs to another node.

System action

The file is not backed up. Processing continues.

User response

This problem is documented in Microsoft knowledge base topic 980794 <http://support.microsoft.com/default.aspx?scid=kb;EN-US;980794>. The topic includes a hotfix. With the hotfix, you can specify a registry key that contains a list of one or more files to be excluded from VSS enumeration. IBM Storage Protect does not back up files that are not enumerated by VSS. If the volume is brought online to the node performing the system state backup, then it cannot be backed up. You must remove the volume from the registry key and restart the system before you can back up the volume. If you do not want to implement the hotfix for this problem, IBM Storage Protect continues to issue this message.

FMV4200E: The virtual machine '*vmname*' could not be backed up because the data usage of datastore '*datastore*' exceeded the datastore threshold of *percentused* percent.

Explanation

The data usage of the datastore used by the virtual machine exceeds the threshold set by the **VMDATASTORETHRESHOLD** option.

System action

The virtual machine is not backed up.

User response

Reduce the data usage of the datastore or increase the threshold in the **VMDATASTORETHRESHOLD** option. Then, back up the virtual machine again.

FMV4202E: The Deployment Manager failed to install language pack: *language pack name*. The Microsoft Installer error code was *error code*.

Explanation

The previous language pack has been uninstalled, and the installation of the new language pack failed.

System action

Processing continues.

User response

For more information about Windows installer error messages, go to the Microsoft Developer Network (MSDN) technical library at <http://msdn.microsoft.com/en-us/library> and search on "Windows Installer Error Messages".

Check the install log on the client computer.

FMV4206E: The Deployment Manager received an error while extracting from installation image: *image name*.

Explanation

The installation image might be missing, corrupted, or there might be insufficient disk space on the client computer.

System action

Deployment Manager stops.

User response

Make sure that there is sufficient disk space on the client computer.

Make sure that all of the Windows self extracting client images on the client computer are valid.

FMV4207E: The Deployment Manager was unable to initiate the final connection between the server and the updated backup-archive client.

Explanation

After the automatic client deployment, the dsmc query session command from the updated backup-archive client was not successful.

System action

The Deployment Manager process ends.

User response

Log on to the client computer and check the backup-archive client error log.

FMV4212E: The Deployment Manager failed to restart service: *servicename*

Explanation

After the automatic client deployment, the IBM Storage Protect client services failed to start.

System action

Processing stops.

User response

Log on to the client machine and check the backup-archive client error log.

FMV4213E: Automatic restart of the client computer was required because *reason*

Explanation

The Deployment Manager determined that the deployment requires restarting the client.
Automatic restart is not enabled. The Deployment Manager process cancels the deployment.
The current client is not uninstalled or updated.

System action

Deployment Manager cancels the client deployment and stops

User response

Reschedule the client deployment.

FMV4232E: Self-extracting installation image: *image name* cannot be found.

Explanation

The Deployment Manager could not find the required installation image.

System action

Processing stops. Client deployment will be cancelled.

User response

Check the server's activity log or the scheduler log on the client computer. Reschedule the client deployment.

FMV4242E: The setup script encountered a warning or error while retrieving the client package for the *architecture* architecture. The error level is *error level* error level.

Explanation

It is possible that the client package is not available on the server.

System action

Processing stops.

User response

Ensure that client packages for all architectures are available on the server. Check the backup-archive client error log for more detailed error messages.

FMV4251W: *writername* file '*filename*': not found.

Explanation

The indicated VSS writer file or directory was returned by VSS as part of the backup file list of the writer. However, the object does not exist on the disk..

System action

Processing stops if SKIPMISSINGSYSWFILES option is set to NO. Processing continues if SKIPMISSINGSYSWFILES option is set to YES.

User response

Verify that this file can be skipped during system state backup.

FMV4252W: *architecture, schedule-name, domain-name* : The client deployment was not completed pending the restart of the client computer. The deployment manager did not restart the client computer automatically because the AUTODEPLOY option was set to NOREBOOT.

Explanation

The previous client has been uninstalled, and the installation of the new client was not completed pending the restart of the client computer. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

System action

The Deployment Manager process completes.

User response

Manually restart the client computer as soon as possible.

FMV4254E: The deployment manager detected an HSM client on the workstation that it needs to deploy the Backup-Archive client to.

Explanation

An attempt was made to deploy the Backup-Archive client to a workstation that already has the HSM client installed. The Backup-Archive client cannot be deployed to a workstation that has the HSM client.

System action

Processing stops.

User response

Uninstall the HSM client and reschedule the Backup-Archive client deployment.

FMV4255E: There is not enough memory for the deployment manager to create the system information object

Explanation

The system information object could not be created because there is not enough available RAM to temporarily write the data into.

System action

Processing stops.

User response

Close all unneeded applications on the client workstation and reschedule the deployment.

FMV4256E: The DSMI_DIR environment variable is not defined.

Explanation

The deployment manager cannot initiate a connection to the server because the DSMI_DIR environment variable is not set. This error can occur if the deployment manager is started without using the client scheduler.

System action

Processing stops.

User response

Read the available documentation to determine how to use the client scheduler to create a client deployment task.

FMV4257E: The deployment manager cannot parse information in file: *file name*.

Explanation

The deployment manager could not parse or extract the required information from the specified file.

System action

Processing stops.

User response

Check the error log file on the client workstation.

FMV4258E: The deployment manager received the Windows "OpenSCManager failed" error message.

Explanation

The deployment manager could not connect to the Windows service control manager to start the client scheduler. In general, this error occurs because the user who is initiating the task does not have sufficient authority.

System action

Processing stops.

User response

Ensure that the user who starts the client scheduler has administrative privileges.

FMV4259E: The client scheduler is not started as a root user.**Explanation**

The client scheduler requires root user privileges to upgrade the client code.

System action

Processing stops.

User response

Log in as root and start the client scheduler.

FMV4260E: The installation file system is not writeable.**Explanation**

The deployment manager cannot write to the installation file system.

System action

Processing stops.

User response

Check the installation file system permissions. It is possible that the current client node runs in a virtualized environment using the client code installed in a shared storage of the physical environment. Reschedule the client deployment with the client node in the physical environment.

FMV4261E: The deployment manager cannot upgrade the Backup-Archive Client.**Explanation**

The Backup-Archive Client cannot be upgraded because either the current location is not the default installation location or the DSM_DIR, DSMI_DIR, DSM_CONFIG and DSMI_CONFIG environment variables are defined with a relative path and not an absolute path.

System action

Processing stops.

User response

Check the installation directory of the current Backup-Archive Client. If the Backup-Archive Client is not installed in the default location, manually upgrade the Backup-Archive Client. If the DSM_DIR, DSMI_DIR, DSM_CONFIG and DSMI_CONFIG environment variables are defined with a relative path, define them with an absolute path and try the client deployment again.

FMV4262E: The preview of the client installation failed.

Explanation

The deployment manager did not uninstall the current client. The client code is unchanged.

System action

Processing stops.

User response

Check the deployment manager log and trace files on the client workstation for specific issues identified during the preview. Reschedule a deployment after any issues are resolved.

FMV4263E: The deployment manager failed to uninstall the backup-archive client.

Explanation

The deployment manager received an error while uninstalling the current client.

System action

Processing stops.

User response

Check the deployment manager log and trace files on the client workstation for more details on the error. You might have to manually uninstall the client.

FMV4264E: The deployment manager failed to install the backup-archive client.

Explanation

The current client was uninstalled and the deployment manager received an error while installing the new client code.

System action

Processing stops.

User response

Check the deployment manager log and trace files on the client workstation for more details on the error. Manually install the new client after the issue is resolved.

FMV4265I: Client deployment options are not specified in the scheduler command or from client services.

Explanation

The default client options file will be used. The deployment manager might not report the correct server and node information when reporting status.

System action

Processing continues.

User response

Avoid initiating the client deployment directly from the command-line, instead, always start the client scheduler as a Windows service.

FMV4266I: The deployment manager failed to install non-English language pack(s).**Explanation**

The previous packages were uninstalled, and the installation of one or more new language packs were not successful.

System action

Processing continues.

User response

Check the deployment trace file on the client workstation for specific language pack information.

FMV4267I: The deployment manager failed to install the hardware plugin package.**Explanation**

The previous package was uninstalled. The installation of the new hardware plugin package failed.

System action

Processing stops.

User response

Check the deployment trace file on the client workstation.

FMV4268I: The deployment manager failed to install the journal-based backup package.**Explanation**

The previous journal-based backup package was uninstalled. The new journal based backup package installation failed.

System action

Processing stops.

User response

Check the deployment trace file on the client workstation.

FMV4269W: The deployment manager is stopping the scheduler or the CAD processes.

Explanation

Before deploying the new client, the deployment manager must stop the scheduler and CAD processes. After the deployment, the processes must be restarted.

System action

Processing continues.

User response

The client scheduler is interrupted during the deployment.

FMV4270I: The deployment manager and the new client installation packages were downloaded to directory: *file name*.

Explanation

The download directory contains everything required to complete the new client deployment. Deployment log and trace files can be found in the log/ sub-directory.

System action

Processing continues.

User response

Obtain log and trace files from the download directory for problem determination. The files are found within the log/ sub-directory.

FMV4271E: The deployment package is missing one or more required installation image files.

Explanation

The client deployment package might not have been imported correctly to the server. It is possible that the deployment package is not retrieved completely to the client computer, due to a lack of disk space.

System action

Processing stops.

User response

Ensure that client packages are available on the server and there is sufficient disk space on the client computer. Check the backup-archive client error log file for more detailed error messages.

FMV4272E: The processor type of the package: *package processor type* does not match the current client: *system processor type*..

Explanation

The processor type supported by the client package that you want to deploy does not match the processor type of the workstation that you are trying to deploy the client to. It is not always possible for the deployment manager to connect to the server and report the error.

System action

Processing stops.

User response

Verify that you are using the correct client package for the processor architecture of the computer that you want to upgrade. Then restart the deployment.

FMV4273E: The deployment manager detected a journal based backup (JBB) client on the workstation where it needs to deploy the Backup-Archive Client.

Explanation

An attempt was made to deploy the Backup-Archive Client to a workstation that already has the JBB client installed. On some platforms, the Backup-Archive Client cannot be deployed to a workstation that has the JBB client installed.

System action

Processing stops.

User response

Uninstall the JBB client and reschedule the Backup-Archive Client deployment.

FMV4274E: The deployment manager cannot stop the scheduler or the CAD processes.

Explanation

The deployment manager tried to shut down the Backup-Archive Client scheduler or CAD processes but the Backup-Archive Client might be busy with other tasks.

System action

Processing stops.

User response

Reschedule the Backup-Archive Client deployment.

FMV4275E: The deployment manager cannot restart the scheduler or the CAD processes.

Explanation

Before exiting, the deployment manager could not restart the Backup-Archive Client scheduler or CAD processes. The deployment manager stopped the processes prior to the client upgrade.

System action

Processing continues.

User response

Log on to the Backup-Archive Client workstation and check the error log file. If you have set environment variables make sure they are not defined using relative path.

FMV4276E: The deployment manager cannot obtain information about the scheduler or the CAD processes.

Explanation

The deployment manager needs process information in order to stop and restart the Backup-Archive Client scheduler or CAD processes.

System action

Processing stops.

User response

Log on to the Backup-Archive Client workstation and check the error log file and the deployment manager error log file.

FMV4277E: The target operating system version *target operating system* does not meet the minimum required version *minimum required version*

Explanation

The operating system version is earlier than the version required by the automatic deployment package.

System action

The deployment is canceled.

User response

Ensure that the version being deployed is supported by the target operating system.

FMV4278E: The deployment manager cannot obtain information about the Logical Volume Snapshot Agent (LVSA).

Explanation

The deployment manager needs to determine whether an LVSA is installed on the client workstation.

System action

Processing stops.

User response

Log on to the Backup-Archive Client workstation and check the error log file and the deployment manager error log file.

FMV4280E: Automatic client deployment is not allowed on the client workstation.

Explanation

One or more of the running client services include AUTODEPLOY = NO in the option file.

System action

Processing stops.

User response

Change the AUTODEPLOY option on the client and reschedule the client deployment.

FMV4281E: The update manager cannot remove the TIVsmCapi package from non-global zone(s): *zone name*.

Explanation

APAR IC57433 prevents the removal of the TIVsmCapi package on Solaris on a sparse-root, non-global zone if uninstalling is done from the global zone.

System action

Processing stops.

User response

Manually uninstall the IBM Storage Protect client directly from the non-global zones and reschedule the deployment.

FMV4282E: Sparse-root non-global zone(s) were found with IBM Storage Protect Backup-Archive Client that was installed from the non-global zone: *zone names*.

Explanation

One or more non-global zones are sharing the /usr file system with the global zone. The IBM Storage Protect Backup-Archive Client is installed in the global zone with the -G parameter and also installed manually in the non-global zone(s). You cannot update the IBM Storage Protect Backup-Archive Client in the global zone because it will update the version of GSKit that is shared with the sparse-root non-global zones that are not part of the automatic deployment.

System action

Processing stops.

User response

Manually upgrade the Backup-Archive Client or install it from the global zone without using the -G parameter. This ensures that you have the same version between the global zone and the sparse-root non-global zones, and you can then deploy the client automatically on all such zones.

FMV4283E: There is not enough disk space on *path* to uncompress GSKit packages. Required space: *req_space* bytes; available space: *avail_space* bytes.

Explanation

The deployment manager determined that there is not enough free disk space to uncompress GSKit packages.

System action

Processing stops.

User response

Free up the required amount of disk space and reschedule the automatic client deployment.

FMV4284E: The deployment is cancelled because an automatic client deployment task was scheduled for a sparse-root, non-global zone that shares the /usr file system with the global zone.

Explanation

The automatic client deployment task that was attempted is not supported and will be cancelled.

System action

Processing stops.

User response

Install the Backup-Archive Client from the global zone or manually upgrade the Backup-Archive Client.

FMV4285E: The update restore operation to an existing virtual machine '*VmName*' failed. The virtual machine is not in power off state.

Explanation

The update restore operation to an existing virtual machine is not supported for a running machine and will be aborted.

System action

Restore aborted.

User response

Turn off the virtual machine and re-run the update restore command.

FMV4290E: Only one virtual machine can be selected for restore.

Explanation

Restoring multiple virtual machines is not allowed. Only one virtual machine can be selected for restore.

System action

No processing occurs.

User response

Select only one virtual machine for restore.

FMV4291E: Virtual Machine could not be found on VMware server.

Explanation

The backup of virtual machine failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4292E: No virtual machine found.

Explanation

No virtual machine found with name or specified in domain option.

System action

Processing stopped.

User response

Specify a correct VM name or domain option.

FMV4293E: Backup of VMware vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' failed.

Explanation

The vApp backup operation failed. This error message is a summary message and does not contain detailed information.

System action

The configuration information and VMs for the specified vApps are not backed up. Processing continues to the next vApp.

User response

Check the previous messages in the dsmerror.log file for more details about this vApp .

FMV4295W: The virtual machine '*vmname*' was backed up using the Windows VSS system provider. You must manually revert or delete the shadow copy on the restored volumes or you may experience degraded performance and an out-of-space condition.

Explanation

At backup time, application protection was not able to back up the VM within the 10-second VSS limit. Therefore, the Windows VSS system provider was used. If you are restoring the application, the volume will be automatically reverted. However, if you are restoring the entire VM, you must manually revert or delete the shadow copy.

System action

The virtual machine is restored, including the system provider shadow copy.

User response

Verify that the restore was successful, and the data is not corrupt. If the data is not corrupt, you can delete the shadow copy. However, if the data is corrupt, revert the shadow copy to restore data integrity. You can figure out which shadow copy to delete or revert by looking for the dsmShadowCopyID.txt file in the root directory of each restored volume. Then, use the diskshadow delete or revert command.

FMV4301I: IBM Storage Protect detected Microsoft Active Directory Domain Controller on virtual machine '*VM*'.

Explanation

The virtual machine contains Microsoft Active Directory Domain Controller.

System action

IBM Storage Protect saved additional information about this virtual machine.

User response

None

FMV4302W: IBM Storage Protect failed to detect if Microsoft Active Directory Domain Controller on virtual machine 'VM'.

Explanation

There was an error while checking if the virtual machine contains Microsoft Active Directory Domain Controller.

System action

IBM Storage Protect continues backing up this virtual machine.

User response

Check IBM Storage Protect error log for additional information.

FMV4303E: The vCloud Director vApp '*vapp - name*' has not been previously backed up.

Explanation

The specified vCloud Director vApp has not been previously backed up, so can not be specified for restore.

System action

The specified vCloud Director vApp is skipped, and the next vApp in the restore list is processed.

User response

Verify the vCloud Director vApp name to be restored, and re-try the operation.

FMV4304I: IBM Storage Protect could not detect the IBM Storage Protect for Virtual Environments license. Active Directory Domain Controller will not be protected on VM 'VM'.

Explanation

The virtual machine contains Microsoft Active Directory Domain Controller, but a IBM Storage Protect for Virtual Environments license is not detected. The Domain Controller will not be protected.

System action

Install IBM Storage Protect for Virtual Environments 7.1 or later to protect Active Directory.

User response

None

FMV4305W: Backup of VMware vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' completed. Some VMs were not backed up. mode: 'Incremental Forever - *full_or_incr*' target node

name: '*target_node_name*' data mover node name: '*data_mover_node_name*' VMs backup status: *number of VM backed up* out of *number of VMs in vApp* VMs backed up successfully.

Explanation

The vApp backup operation completed successfully. However, one or more VMs for the specified vApp were not backed up. These VMs will not be created during the restore operation.

System action

Processing continues to the next vApp.

User response

Check the dsmerror.log file for this vApp for more information about this message. Resolve the problem, then try the operation again.

FMV4308E: Full VM backup of '*hypervisor*' Virtual Machine '*vmname*' failed with RC=*rc* mode=*full_or_incr*, target node name='*target_node_name*', data mover node name='*data_mover_node_name*'

Explanation

The Full VM backup of virtual machine failed.

System action

The full backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4311E: Full VM restore of '*hypervisor*' Virtual Machine '*vmname*' failed with RC=*rc* target node name='*target_node_name*', data mover node name='*data_mover_node_name*'

Explanation

The Full VM restore of the virtual machine failed.

System action

The full restore of the the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4441E: '*fs*' is a '*fstype*' file system, which is not a supported file system type for file backup, image backup or archive.

Explanation

The specified file system is not supported for any type of backup. IBM Storage Protect does not support backup and archive or image backup for this type of volume.

System action

The file system is skipped. Processing continues with the next file system.

User response

Refer to the IBM Storage Protect client manual for a complete list of supported file systems.

FMV4442E: '*VM-Name*' a backup cannot be created because the virtual machine has assigned disk with duplicate disk identifiers.

Explanation

The client detected that the virtual machine has assigned disk with duplicate disk identifiers. The disk may have been copied. A backup cannot be created on a virtual machine that have duplicate disk identifiers.

System action

The virtual machine is not backed up. Processing continues with the next virtual machine.

User response

Check that the virtual disks has different disk identifiers and update the virtual machine configuration to match any changes to the file system. If the problem persists, contact an administrator of the Hyper-V server.

FMV4443E: '*fs*' is a CSVFS file system, which is not a supported file system type for file backup, image backup or archive.

Explanation

Microsoft Cluster Shared Volumes File Systems (CSVFS) are NTFS or ReFS volumes that are added to Cluster Shared Volumes. These volumes are intended for Hyper-V and expanded support for SQL, not for regular file data. IBM Storage Protect does not support file level backup and archive or image backup for CSVFS volumes.

System action

The file system is skipped. Processing continues with the next file system.

User response

Refer to the IBM Storage Protect client manual for a complete list of supported file systems.

FMV4446E: A file restore mount operation for *hypervisor type* Virtual Machine '*vmname*' failed. The data center node name is '*data center node name*', the mount proxy node name is '*mount proxy node name*'.

Explanation

The file restore mount operation of the virtual machine failed.

System action

The mount of the virtual machine finished with failures.

User response

Review the local client error log for the reason for the failure.

FMV4449E: A cleanup of the file restore mount of *hypervisor type* Virtual Machine '*vmname*' failed. The data center node name is '*data center node name*', the mount proxy node name is '*mount proxy node name*'.

Explanation

The cleanup of file restore mount operation of the virtual machine failed.

System action

The cleanup of mount of the virtual machine finished with failures.

User response

Review the local client error log for the reason for the failure.

FMV4450E: The mount proxy platform is not supported for file restore mount operations.

Explanation

The file restore mount operation failed. The mount proxy platform is unsupported or the IBM Storage Protect Recovery Agent is not correctly installed and configured.

System action

The file restore mount operation failed.

User response

Ensure that the IBM Storage Protect Recovery Agent is installed and configured correctly and run the file restore mount operation from a supported mount proxy platform.

FMV4451E: The Windows iSCSI service is not available.

Explanation

The Windows iSCSI service is not available on the mount proxy machine. It is either not started or is not installed or configured correctly.

System action

Processing stops. The file restore mount operation fails.

User response

Ensure that the iSCSI service is up and running on the mount proxy machine.

FMV4900W: Schedule '*schedule-name*' has opened a new session with the server.

Explanation

A scheduled event ends because of a connection failure. The scheduled event had to be restarted outside its normal startup window to continue the operation.

System action

The scheduled event is completed using more than one session.

User response

None required. If this is a recurrent condition, you may want to check for network problems.

FMV4901E: The following object contains one or more unmatched quotation marks and cannot be processed: '*filespace path filename*'.

Explanation

The file name in the file list contains unmatched quotes. If a line in the file list begins with a single or double quotation mark this quotation mark is considered to be an opening quotation mark. The corresponding closing quotation mark of the same type must be at the end of the line. If there is no closing quotation mark or the closing quotation mark has been encountered in the middle of the line, it is an invalid input.

System action

The object is skipped.

User response

Correct the specification of the object.

**FMV4904E: Instant access of VMware Virtual Machine '*vmname*' failed.
target node name='*target_node_name*', data mover node
name='*data_mover_node_name*'**

Explanation

The instant access of the virtual machine failed.

System action

The instant access of the the virtual machine finished with failures. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

**FMV4907E: Instant restore of VMware Virtual Machine '*vmname*' failed.
target node name='*target_node_name*', data mover node
name='*data_mover_node_name*'**

Explanation

The instant restore of the virtual machine failed.

System action

The instant restore of the the virtual machine finished with failures. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

**FMV4910E: Cleanup of VMware Virtual Machine '*vmname*' failed. target
node name='*target_node_name*', data mover node
name='*data_mover_node_name*'**

Explanation

The cleanup of the virtual machine failed.

System action

The cleanup of the the virtual machine finished with failures. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV4915I: Object increased in size during compression: *filespace pathfilename*

Explanation

The file increased in size during compression.

System action

Processing continues.

User response

None.

FMV4917E: A failure occurred while accessing the VMware libraries. The required files for the virtual machine backup were not found. The files are installed only if the client is defined as a data mover in IBM Storage Protect for Virtual Environments.

Explanation

A failure occurred while accessing the VMware libraries for the virtual machine environment.

System action

The backup operation cannot continue.

User response

Install the IBM Storage Protect for Virtual Environments package to use the client to back up virtual machines.

FMV4936E: The snapshot of virtual machine '*vmname*' failed and a snapshot cannot be attempted again.

Explanation

The snapshot of the virtual machine failed with a permanent error. Such as the Hyper-V writer is not responding. Another snapshot attempt will not be made.

System action

The snapshot of the virtual machine finished with an error. Processing continues to the next virtual machine.

User response

Check the Windows event log for the reason for the failure.

FMV4937I: Resending file *file* in a new transaction session to recover from the transmission error.

Explanation

None.

System action

The file is resent.

User response

None.

FMV4942E: The file specification '*string*' is invalid.**Explanation**

The operating system indicated that the file specification is invalid. One possible reason is that the file specification contains unrecognized characters. Another possible cause is incorrect use of quotation marks in the file specification.

System action

Processing stopped.

User response

Enter a correct file specification as described in the *Using the Backup-Archive Client* book for the particular operating system. Ensure that the file specification contains valid characters. Verify correct use of quotation marks for specifications that contain blank spaces. If multiple file specifications are used, make sure that any use of quotation marks does not cause the file specifications to be treated as a single file specification.

FMV4946W: Warning: virtual machine: '*vm-name*' disk: '*disk-name*' excluded by user, was not found.**Explanation**

The specified virtual disk does not exist on the virtual machine.

System action

Processing continues.

User response

Use the "dsmc backup vm ..." command with the -preview option to display a listing of the disk labels which exist on the virtual machine. Since the disk was specified to be excluded from the backup, the backup will continue. However it is possible that a disk will be included in the backup which was not desired, check the spelling of the disk label, and correct the disk label if an undesired disk is now included in the backup operation.

FMV4947E: Error: virtual machine: '*vm-name*' disk: '*disk-name*' included by user, was not found.**Explanation**

The specified virtual disk does not exist on the virtual machine.

System action

Processing stops.

User response

Use the "dsmc backup vm ..." command with the -preview option to display a listing of the disk labels which exist on the virtual machine. Check the spelling of the disk label and correct the disk label and then retry the 'backup vm' operation.

FMV4948E: A specified virtual disk was not found on the virtual machine.

Explanation

You must specify a virtual disk label name which exists on the virtual machine.

System action

Processing stops.

User response

For a backup operation, use the "dsmc backup vm ..." command with the -preview option to display a listing of the disk labels which exist on the virtual machine. For a restore operation, use the "dsmc query vm ..." command with the -detail option to display a listing of the disk labels which exist on the virtual machine backup. Check the spelling of the disk label and correct the disk label and then retry the operation.

FMV4972W: File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. This version does not support unicode file names for snapshot difference incremental backup. Upgrade to a version that supports unicode file names as soon as possible.

Explanation

The file server has been upgraded from a version that supports unicode file names for incremental backup using snapshot difference to a version that does not. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, you lose the ability to back up files with unicode file names when performing snapshot difference incremental backup.

System action

Processing continues. However, files with unicode names are not backed up.

User response

Upgrade to a version that supports unicode file names as soon as possible. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, upgrade to 8.1 (or later). If it is not possible to upgrade at this time, you can suppress this warning message by renaming the file space on the IBM Storage Protect server and performing a snapshot difference incremental backup.

FMV4973E: An error occurred accessing NTFS security information for file '*filespace namepath-namefile-name*'

Explanation

An access denied error occurred while attempting to access NTFS security information.

System action

The object is skipped.

User response

See your system administrator or bypass the failing check by using SkipNTSecurity option.

FMV4974E: Error processing '*filesystem namepath-namefile-name*': a required NT privilege is not held.

Explanation

The user account running IBM Storage Protect does not possess a required NT user right/privilege for performing the current operation.

System action

The object is skipped.

User response

Your system administrator has the authority to grant the needed privilege.

FMV4987E: Error processing '*filesystem namepath-namefile-name*': the object is in use by another process

Explanation

The specified file is being used by another process. You tried to read from or write to a file that is currently being used by another process.

System action

File skipped.

User response

Ensure that the file is not locked by another process. If the file is not locked, retry the command.

FMV4988W: File '*filesystem namepath-namefile-name*' is currently unavailable on server and has been skipped.

Explanation

You tried to restore or retrieve a file that is currently not available from the IBM Storage Protect server. This is most likely a temporary condition.

System action

IBM Storage Protect cannot restore or retrieve the file.

User response

Try to restore or retrieve the file again after the file becomes available on the server. If the problem persists, see your IBM Storage Protect administrator for assistance.

FMV4989E: Error processing '*filesystem namepath-namefile-name*': the directory is in use by another process. All objects in the directory and any of its subdirectories are skipped.

Explanation

The specified directory is being used by another process. You tried to read from or write to a directory that is currently being used by another process. The objects contained in the directory and its subdirectories are not backed up.

System action

Processing stopped for that directory. If other files and directories were also specified in this backup, they are processed

User response

Ensure that you specified the correct directory name, correct the permissions, or specify a new location. If the directory name is correct, retry the backup when no process has exclusive use of the directory.

FMV4991I: *Application Type Application Message Id Application Message*

Explanation

This is a message sent by the application you are currently running with IBM Storage Protect.

System action

IBM Storage Protect logs the application message.

User response

Refer to the documentation for the application that you are using.

FMV4992W: *Application Type Application Message Id Application Message*

Explanation

This is a message sent by the application you are currently running with IBM Storage Protect.

System action

IBM Storage Protect logs the application message.

User response

Refer to the documentation for the application that you are using.

FMV4993E: *Application Type Application Message Id Application Message*

Explanation

This is a message sent by the application you are currently running with IBM Storage Protect.

System action

IBM Storage Protect logs the application message.

User response

Refer to the documentation for the application that you are using.

FMV4994S: *Application Type Application Message Id Application Message*

Explanation

This is a message sent by the application you are currently running with IBM Storage Protect.

System action

IBM Storage Protect logs the application message.

User response

Refer to the documentation for the application that you are using.

FMV4997E: Error processing '*filespace namepath-namefile-name*': file system quota reached condition - no space left.

Explanation

No more files can be restored or retrieved because the quota of the destination file system has been reached.

System action

The client prompts you for action:

- Retry this object
- Skip this object
- Abort the action

User response

Select the appropriate action for this object. Create some free space or increase the quota on the destination file system before you retry the operation. Another option is to restore or retrieve the file to another file system.

FMV4998E: Link information for file '*filename*' could not be obtained: access to the object is denied.

Explanation

Access to the specified file link is denied. You tried to read information for file link and you do not have access permission for this object.

System action

Processing of System State stops.

User response

Try the operation again. If the problem persists, contact IBM Storage Protect technical support for additional assistance.

FMV4999I: The following message was too long to log to the server: '*shortened message with message number*'

Explanation

The message text and inserts are too large to send to the server in the available internal buffer.

System action

The *message number* message is written to the local client error log, then shortened and sent to the server as a part of this message. The message is reduced in length by substituting '...' in the middle of the original message.

User response

The message referred to has been shortened, but describes the error that occurred. See the documentation for that message for more information.

FMV5003S: The management class assigned to directories does not exist.

Explanation

The management class named on the DIRMC option does not exist in your assigned policy set on the server. The error log contains an entry showing the invalid management class name.

System action

processing stops.

User response

Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Storage Protect administrator for further assistance.

FMV5004S: There is no backup copy group in the management class used for directories. See the error log.

Explanation

The DIRM option names a management class that contains no backup copy group.

System action

processing stops.

User response

Remove the current DIRM option from the client options file, then run `DSMC QUERY MGMTCLASS -DETAIL` to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one IBM Storage Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Storage Protect administrator for further assistance.

FMV5006W: The policy set does not contain any backup copy groups. The process is unable to continue the backup.

Explanation

You tried to back up the files using a policy set that contained no backup management information.

System action

The process did not back up the files.

User response

See your IBM Storage Protect administrator for assistance in associating your node with a policy set containing a management class that has a backup copy group. Then try the operation again.

FMV5007W: The policy set does not contain any archive copy groups. IBM Storage Protect is unable to continue the archive.

Explanation

You tried to archive the files using a policy set that contains no archive management information.

System action

IBM Storage Protect did not archive the files.

User response

See your IBM Storage Protect administrator for assistance in associating your node with a policy set containing a management class that has an archive copy group. Then try the operation again.

FMV5008W: Incorrect password entered

Explanation

You entered a password that was incorrect.

System action

IBM Storage Protect cannot connect to the server without the correct password.

User response

Reenter the password, or ask your system administrator for the current password.

FMV5009W: New password entries are not the same**Explanation**

During the change password, update password, or open registration dialog, the two entries for the new password were not the same.

System action

The password was not changed on the server.

User response

Backspace over both of the new passwords and reenter them, ensuring that they match.

FMV5011I: Backup stopped by user**Explanation**

You requested to stop the backup operation.

System action

Backup stopped.

User response

Continue with normal operations.

FMV5012E: Server out of backup data storage space**Explanation**

The server ran out of space in its backup data storage.

System action

IBM Storage Protect cannot complete the requested backup operation. Any files displayed on the lower half of the backup activity panel were successfully backed up.

User response

See your system administrator.

FMV5013E: Not enough memory for backup operation**Explanation**

IBM Storage Protect cannot allocate memory for the specified backup operation.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5014I: Backup completed

Explanation

The backup was completed.

System action

IBM Storage Protect backed up the files.

User response

Continue with normal operations.

FMV5015I: Restore stopped by user

Explanation

You requested to stop the restore operation.

Attention: If you were restoring files with "overwrite" option specified, the file you restored last can be damaged (partially overwritten).

System action

Restore stopped.

User response

Continue with normal operations.

FMV5016E: Not enough memory for the requested restore operation.

Explanation

Not enough memory is available for the requested restore operation.

System action

Processing stops.

User response

Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned can also help, or see your system administrator.

FMV5017I: Restore completed

Explanation

A restore was completed.

System action

IBM Storage Protect restored the files.

User response

Continue with normal operations.

FMV5018E: Not enough memory for archive operation

Explanation

The client cannot allocate memory for the requested archive operation.

System action

Processing stops.

User response

Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5019I: Archive stopped by user

Explanation

You requested to stop the archive operation.

System action

Archive stopped.

User response

Continue with normal operations.

FMV5020E: The IBM Storage Protect server is out of archive data storage space.

Explanation

The server ran out of space in its archive data storage.

System action

Client cannot complete the requested archive operation.

User response

Report the problem to your IBM Storage Protect system administrator, who can allocate more resources to archive storage.

FMV5021I: Archive completed

Explanation

An archive was completed.

System action

IBM Storage Protect archived the files.

User response

Continue with normal operations.

FMV5022I: Retrieve stopped by user

Explanation

You requested to stop the retrieve operation.

Attention: If you were retrieving files with "overwrite" option specified, the file you retrieved last can be damaged (partially overwritten).

System action

Retrieve stopped.

User response

Continue with normal operations.

FMV5023E: Not enough memory for retrieve operation

Explanation

The process in which the program runs has exceeded the maximum allocated memory.

System action

Processing ends.

User response

Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5024I: Retrieve completed

Explanation

A retrieve was completed.

System action

IBM Storage Protect retrieved the files.

User response

Continue with normal operations.

FMV5025E: The node name contains invalid characters.

Explanation

The specified node name has invalid characters.

System action

Current operation has been cancelled.

User response

Retry with another node name that has valid characters.

FMV5026W: MatchAllCharandMatchOneCharoptions MUST precede Include/Exclude options

Explanation

TheMatchAllCharandMatchOneCharoptions must precede any include-exclude options.

System action

Current application ends

User response

Move theMatchAllCharandMarchOneCharoptions before any include-exclude options.

FMV5027W: Objects of different types cannot be backed up at the same time.

Explanation

Backing up objects of different types at the same time is not allowed in certain scenarios. For example, backing up Hyper-V and VMware virtual machines at the same time is not possible.

System action

No processing takes place.

User response

Select objects of the same type to perform backup operation.

FMV5028I: Successful completion**Explanation**

The operation successfully completed.

System action

None.

User response

None.

FMV5029E: This operation cannot continue due to an error on the IBM Storage Protect server. See your IBM Storage Protect server administrator for assistance.**Explanation**

The IBM Storage Protect server encountered an error condition that prevents the IBM Storage Protect client operation from continuing. Your IBM Storage Protect server administrator can review the IBM Storage Protect server activity log for more details about the error.

System action

The processing stopped.

User response

Contact your IBM Storage Protect server administrator for assistance. The administrator can review the IBM Storage Protect server activity log for further information about the conditions that lead to this error.

FMV5030E: No objects on server match query**Explanation**

No objects on the server match the query operation being performed.

System action

The processing stopped.

User response

Ensure the names are properly entered.

FMV5031E: Client aborted transaction**Explanation**

The client system ended the operation with the server and ended the current transaction.

System action

The processing stopped.

User response

Restart the session.

FMV5032W: Active object not found**Explanation**

An attempt was made to expire an object, but the server was unable to find an active backup version of the object. This message is preceded by message FMV1228E which specifies the object name. For instance, this message could be issued if two separate client processes are backing up the same file system at the same time. If one of the processes expires a file, then the server will make that file inactive. If the second process subsequently attempts to expire that same file, the server will not find an active version of the file, so the second process will issue this message for that file.

System action

The object is not expired. Processing continues with the next object..

User response

Review the console output, schedule log, or error log and locate the FMV1228E message that immediately precedes this message. FMV1228E will identify the object that could not be expired. Examine the conditions under which the problem occurred and assess whether those conditions explain the occurrence of this message. For example, this message could appear if multiple instances of the client were attempting to back up the file system concurrently. If the reason this message occurred can not be determined and the message occurs when the operation is tried again, then contact support for further assistance. Also try searching for this message number on <http://www.ibm.com> for possible solutions.

FMV5033E: Server has no data for the object.**Explanation**

Server tried to do a restore or retrieve on an object that has no data associated with it. If a corrective action is possible, it is with the server.

System action

Server ends the current operation.

User response

Ask the administrator to check the activity log for any messages related to this error that might help identify the problem.

FMV5034E: You entered an incorrect password.**Explanation**

You entered an incorrect current password or you entered a new password that does not fulfill the password length requirements set on the server.

System action

The processing stops.

User response

Retry the session with the correct password. If this fails or you have forgotten your password, ask the administrator to assign a new password.

FMV5035E: Node is in use.**Explanation**

The node you are running on is in use by another operation on the server. This might be from another client or from some activity on the server.

System action

The processing stopped.

User response

Retry the operation, or see your system administrator to see what other operations are running for your node.

FMV5036E: Expiration date must be greater than today's date**Explanation**

Archive expiration date is too low, the date must be greater than today's date.

System action

The current operation is canceled.

User response

Retry archiving the file with an expiration date that is higher than today's date.

FMV5037W: The requested data is offline**Explanation**

For the restore or retrieve operation, one or more of the requested files must be recalled from offline storage media (generally tape). The wait time depends on your site's offline storage management policies.

System action

CLient waits for offline storage media to become available and then continues.

User response

None.

FMV5038E: Object too large for server limits.**Explanation**

The object is too large. The configuration of the server does not have any data storage space that accepts the object.

System action

File skipped.

User response

See your system administrator to determine the maximum file (object) size for which your site's server is configured.

FMV5039E: Server out of data storage space.**Explanation**

The server does not have any space available to store the object.

System action

Ended the current operation.

User response

You can take any of the following actions:

- For client, set COMPRESSALWAYS=NO and COMPRESSIon=YES in the options file (DSM.OPT), then the file will be resent uncompressed if it grows during compression.
- Request the system administrator to add space to the storage pool.
- The system administrator can also turn off disk caching in the disk storage pool, and issue MOVE DATA commands to each disk pool volume to clear out the cached bitfiles.

FMV5040E: Server media mount not possible.**Explanation**

Server media mount not possible. The server timed out waiting for a mount of an offline volume.

System action

File skipped.

User response

Retry later when server volumes can be mounted. Ensure that the MAXNUMMP (maximum number of mount points) defined on the server for this node is greater than 0.

FMV5041E: Size estimate exceeded.**Explanation**

The total amount of data for a backup or archive operation exceeds the estimated size originally sent to the server for allocating data storage space. This happens when many files are growing by large amounts while the backup or archive operation is in session.

System action

Processing stopped.

User response

Retry the operation. If the problem continues, check what other processes are running on the client machine that are generating large amounts of data. Disable those operations while the backup or archive operation is taking place.

FMV5042E: File data is currently unavailable on the IBM Storage Protect server

Explanation

The IBM Storage Protect client was trying to restore or retrieve data that is currently unavailable on the IBM Storage Protect server. Possible causes are:

- Data is corrupted at the IBM Storage Protect server
- The IBM Storage Protect server encountered a read error
- File is temporarily involved in a reclaim operation at the server
- The IBM Storage Protect requested a tape volume that is unavailable. Typical reasons for a volume to be unavailable: a disk volume is offline, the volume is marked unavailable due to an I/O error, or a tape volume is checked out of the tape library.

System action

Processing stopped.

User response

Try the operation again at a later time. If the problem continues, contact your IBM Storage Protect server administrator for further assistance. The administrator can review the IBM Storage Protect server activity log for messages related to the problem.

FMV5043W: Unexpected retry request. The server found an error while writing the data.

Explanation

None.

System action

The client retries the operation.

User response

None.

FMV5044E: Session rejected: All server sessions are currently in use.

Explanation

Server has all available sessions in use and cannot accept a new one at this time.

System action

Server canceled the current operation.

User response

Retry the operation. If the problem continues, see your system administrator to increase the number of concurrently active sessions to the server.

FMV5045E: The session is rejected. Your password has expired.**Explanation**

Your password has expired.

System action

Server canceled the current operation. You are not allowed to connect to the server until the password is updated.

User response

Update your password. You may use the SET PASSWORD command, or have the administrator update your node.

FMV5046E: Session rejected: Unknown or incorrect node ID entered**Explanation**

The node name you entered is not known by the server, or you are attempting to access a file migrated to a different node.

System action

The current operation is canceled. You are not allowed to connect to the server until your node name is registered with the server. If attempting to access a migrated file, your node name must be the same node which migrated the file.

User response

Ensure that you entered your node name correctly. If yes, see your system administrator. Verify that the server is using closed registration and that your node name is registered with the server.

FMV5047E: Session rejected: Duplicate ID entered. Node already logged onto server**Explanation**

Another process using this node name is active with the server.

System action

Cannot connect to the server. Canceled the current operation.

User response

Ensure that your node name is unique to the server so that it cannot be used by another person. See your system administrator to identify the owner of that node name.

FMV5048E: Please choose a filespace.The filespace to delete/set access cannot be found.

Explanation

The filespace to delete cannot be found.

System action

The system returns to the calling procedure.

User response

Verify the filespace name.

FMV5049E: Session rejected: The server is disabled

Explanation

The server is in a disabled state and cannot be accessed for normal activity.

System action

Canceled the current operation.

User response

Retry the operation after the server returns to an enabled state. If the problem continues, see your system administrator.

FMV5050E: The server is not configured to allow open registration.

Explanation

No authorization. Registration is required by your system administrator. The server is not configured to allow open registration.

System action

Session not started.

User response

You must obtain a node and password from your system administrator.

FMV5051S: Session rejected: the client code is down-level

Explanation

The server version and your client version do not match. The client code is downlevel.

System action

The current operation is canceled.

User response

See your system administrator to see what version to run for your location.

FMV5052E: Session rejected: Downlevel server code version.**Explanation**

The server version and your client version do not match. The server code is downlevel.

System action

The current operation is canceled.

User response

See your system administrator to see what version to run for your location.

FMV5053W: The operation was stopped by the user.**Explanation**

The operation was stopped at the request of the user. This usually occurs when the 'Q' key is pressed two times.

System action

Processing stopped.

User response

None.

FMV5054E: The operating system refused a request for memory allocation.**Explanation**

The client requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum allocated memory.
- Some other error condition occurred. No memory is available.

System action

Client cannot complete the requested operation.

User response

Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high-level directories, run the task serially for each directory. If the task is an incremental backup, use the option "-memoryefficientbackup=yes".

FMV5055E: File not found during Backup, Archive or Migrate processing. No file specification entered.

Explanation

The file being processed for backup, archive or migrate no longer exists on the client. Another process deleted the file before it could be backed up, archived or migrated.

System action

File skipped.

User response

None.

FMV5056E: The specified directory path could not be found.

Explanation

An invalid or unreachable directory path was specified.

System action

Processing stopped.

User response

Try the operation again using a valid directory path.

FMV5057E: Access to the specified file or directory is denied.

Explanation

Access to the specified file or directory is denied. You tried to read from or write to a file and you do not have access permission for either the file or the directory.

System action

Processing stopped.

User response

Ensure that you specified the correct file or directory name, correct the permissions, or specify a new location.

FMV5058E: No file handles available

Explanation

All file handles for your system are currently in use. No more are available.

System action

Processing stopped.

User response

Either free some file handles by ending other processes, or modify your system setup to allow for more files to be open at the same time.

FMV5059E: The file exists and cannot be overwritten.**Explanation**

The file being restored or retrieved exists and cannot be overwritten due to lack of authority or access permissions.

System action

The file is skipped.

User response

Verify that you have sufficient access permissions to overwrite the file, then try the operation again. If the problem persists, contact your system administrator or administrator for further assistance.

FMV5060E: Invalid parameter passed.**Explanation**

The system encountered an internal program error due to an invalid parameter.

System action

The system returns to the calling procedure.

User response

Ask your service representative to check the error log.

FMV5061E: An invalid file handle passed. Report how you got this system error.**Explanation**

An internal system error occurred. A file operation failed because of an invalid file handle.

System action

Processing stops.

User response

Try the operation again. If the failure persists, obtain a service trace that captures the problem and contact technical support for additional assistance. Your administrator can help you configure the trace.

FMV5062E: Disk full**Explanation**

Operation has stopped because the destination disk is full.

System action

Processing stopped.

User response

Free up disk space and retry the operation

FMV5083E: Drive specification contains wildcard character.**Explanation**

Drive name shouldn't contain wildcard character.

System action

Wildcarded objects skipped.

User response

Use valid drive specification.

FMV5091S: The IBM Storage Protect server does not currently have space in the storage pool for this file. This might be a temporary condition.**Explanation**

This message is typically issued when the storage pool in which the data is being placed does not have sufficient to store the data, but that the space will be available soon. For example, a storage pool migration may free up sufficient space to store the data.

System action

Process ends.

User response

This is possibly a temporary condition. Try the operation again at a later time. If the error persists, contact your IBM Storage Protect administrator, who can examine server console and error logs to locate the cause of the problem.

FMV5092S: Server out of data storage space.**Explanation**

The server does not have any more space available to store the object.

System action

IBM Storage Protect ended the current operation.

User response

Report to your system administrator that a storage pool on the server is full.

FMV5093S: SLM_LICENSE_EXCEEDED: The client licenses for IBM Storage Protect are exceeded. See your IBM Storage Protect administrator.

Explanation

Adding a new enrollment will exceed the product license count for this IBM Storage Protect server.

System action

The client enrollment or connection request ends.

User response

See your IBM Storage Protect administrator to delete unused enrollments or negotiate an increase in the number of allowed licenses for your server.

FMV5094E: Session Rejected. Sufficient server memory is not available.

Explanation

The server does not have enough memory to allow your client to establish a connection with the server.

System action

Session was not started.

User response

Retry later or see your system administrator.

FMV5122E: The specified filespace does not exist on the server. The filespace might have been deleted by another client or an administrator.

Explanation

The specified filespace does not exist on the server. Your administrator might have already deleted the filespace or another client using your client's node name might have deleted it.

System action

IBM Storage Protect ends the current operation.

User response

The filespace you selected does not exist any more. See your IBM Storage Protect administrator for help in finding how the filespace was deleted.

FMV5123S: Open registration failed because the specified node name is already defined in the server.

Explanation

Open registration failed because a node is defined on the server with the same name.

System action

Current operation has been cancelled.

User response

Retry with another node name.

FMV5124S: Open registration failed because there is no default domain.**Explanation**

Open registration failed because a default policy domain does not exist in which to place your node. A default policy domain is required to fully support open node registration.

System action

Current operation has been cancelled.

User response

See your IBM Storage Protect administrator for assistance in registering your node.

FMV5125S: Open registration failed because an invalid node name was specified.**Explanation**

Open registration failed because the specified node name has invalid characters.

System action

Current operation has been cancelled.

User response

Retry with another node name that does not have any invalid characters.

FMV5126S: Filespaces with duplicate names are not supported. Unmount the duplicate file space.**Explanation**

The selected file space has a duplicate volume label. Because IBM Storage Protect uses the volume label to keep track of backup/archive information, it cannot back up or archive files from a file space with a duplicate volume label.

System action

IBM Storage Protect cannot select the volume.

User response

If the file space needs to be available to the system, exit IBM Storage Protect, and assign a volume label to the file space. Restart the process and retry the operation. Otherwise, unmount the duplicate file space.

FMV5127I: IBM Storage Protect has detected an incomplete setup! The system options file 'dsm.sys' was not found, while the client options file '*file-path*' exists! The wizard will guide you through the configuration process of the initial basic IBM Storage Protect client options files replacing your current option file. Would you like to continue?

Explanation

IBM Storage Protect has detected an incomplete setup. The system options file, dsm.sys, was not found. Additionally, a user options file, dsm.opt, was found. To complete the configuration the configuration wizard will create dsm.sys and replace dsm.opt with minimal settings.

System action

IBM Storage Protect may stop

User response

If the current version of dsm.opt is needed, rename the file and restart IBM Storage Protect. If the current version is not needed, select yes and allow IBM Storage Protect to replace the file.

FMV5128E: The management class for this file did not have a backup copy group.

Explanation

For backup operations, a file may only be bound to a management class that has a backup copy group.

System action

IBM Storage Protect did not back up the file.

User response

See your IBM Storage Protect system administrator for assistance in finding a management class with the required copy group. The administrator may also define such a management class for you.

FMV5129E: The management class for this file did not have an archive copy group specified.

Explanation

For archive operations, a file may only be bound to a management class that has an archive copy group.

System action

The file was not archived.

User response

See your IBM Storage Protect system administrator for assistance in finding a management class with the required copy group. The administrator may also define such a management class for you.

FMV5130W: No filespaces selected for deletion

Explanation

You requested a deletion operation without selecting a client domain.

System action

IBM Storage Protect cannot perform a deletion without a domain selected.

User response

Select the volumes you want to delete and retry the operation.

FMV5132I: Filespace deletion canceled by user

Explanation

You requested to cancel the filespace deletion operation.

System action

The filespace deletion operation stopped.

User response

Continue with normal operations.

FMV5133I: Filespace '*filespace*' was deleted

Explanation

The specified *filespace* was successfully deleted.

System action

IBM Storage Protect deleted the filespace.

User response

Continue with normal operations.

FMV5134E: Unable to delete the filespace because this node does not have permission to delete archived or backed up data.

Explanation

You tried to delete a filespace that you do not have permission to access.

System action

Processing stopped.

User response

Ensure that you specify the correct filespace, or specify a filespace you have access to.

FMV5135I: Archive delete stopped by user

Explanation

You requested to stop the archive delete operation.

System action

Archive delete stopped.

User response

Continue with normal operations.

FMV5138I: Archive delete completed

Explanation

An archive delete was completed.

System action

IBM Storage Protect deleted the archived files.

User response

Continue with normal operations.

FMV5139E: Your node does not have permission to delete archived files.

Explanation

Your node is registered at the server with the ARCHDELETE option set to 'NO'. Therefore your node is not allowed by the server to delete archived files.

System action

Archived files were not deleted.

User response

See your IBM Storage Protect system administrator. The administrator has authority to delete archived files, and can also grant that authority to your node.

FMV5145W: Server cannot restart the last restore request. Do you want to restore without restart?

Explanation

The restart restore token has expired. The server cannot restart the restore from where it last ended.

System action

Processing stopped; waiting for user intervention.

User response

Retry the request without restart or abort the request.

FMV5146W: You cannot perform this operation while accessing data for another node. Do you wish to switch back to accessing your own node?

Explanation

The user cannot perform the selected operation while accessing another users data.

System action

Processing stopped; waiting for user intervention.

User response

Answer "Yes" to switch back to accessing the server as the original node.

FMV5148W: The server needs to do a one-time conversion of your archive data before you can continue. This operation may take a long time, and cannot be canceled once it has started. Are you willing to wait for the conversion to complete?

Explanation

The server must do a conversion of the archive data before continuing. The conversion could take a long time, and cannot be canceled once it is started.

System action

Processing stopped; waiting for user intervention.

User response

Answer "Yes" to start the archive data conversion. If you answer "No", the current operation will be canceled.

FMV5150E: An active restore for the same source file specification exists. Unable to continue with this request.

Explanation

Currently, there is an active restore for the same source file specification. Another restore of the same source file specification cannot be started.

System action

The requested restore fails.

User response

Start another restore with a different source file specification.

FMV5151S: This node currently has a pending restartable restore session. The requested operation cannot complete until this session either completes or is canceled.

Explanation

This operation can not be completed because a restartable restore session is pending. The operation is not allowed because the restartable session and the current operation affect the same file space.

System action

IBM Storage Protect ended the current operation.

User response

Issue the Query Restore command to view a list of your restartable restore sessions in the server database.
Issue the Cancel Restore command to cancel any unneeded restartable restore sessions.

FMV5152S: Session Rejected: The server is not licensed for this platform type. See your IBM Storage Protect administrator.

Explanation

The server license governs the types of client that can connect to it. The license for this server does not include the requesting client type.

System action

The client enrollment or connection request ends.

User response

See your IBM Storage Protect administrator who must upgrade the server license to accept your client type.

FMV5153E: Session Rejected: The server does not allow a signon as a Unicode enabled client.

Explanation

The client cannot establish a connection to the server because of a unicode enabling mismatch between server and client.

System action

Session was not started.

User response

See your system administrator immediately.

FMV5154I: File is implicitly excluded

Explanation

You tried to back up or migrate a file that is implicitly excluded.

System action

IBM Storage Protect will not back up or migrate an implicitly excluded file.

User response

None.

FMV5155E: The valid password is not available. The IBM Storage Protect administrator for your system must run IBM Storage Protect and enter the password to store it locally.

Explanation

The file containing the stored password for the specified server is unavailable.

System action

Process ends.

User response

The system administrator for your system must set and store a new password.

FMV5158S: Filespace deletion is in progress. Try again later.

Explanation

The filespace is in the process of being deleted.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Try the operation again later. If the filespace was being deleted, it could take awhile for it to complete. If the problem continues, report the problem to your system administrator.

FMV5164E: Backup or archive of drives with duplicate volume labels is not allowed.

Explanation

You tried to back up or archive a drive that has a duplicate volume label. Because IBM Storage Protect uses the volume label to keep track of backup or archive information, it cannot back up or archive files from a drive with a duplicate volume label.

System action

IBM Storage Protect cannot select the drive for backup or archive operations.

User response

If the volume needs to be available to the system, exit IBM Storage Protect and assign a unique volume label to the drive. Restart IBM Storage Protect and try the operation again.

FMV5165E: Drive has no volume label. Backup/Archive not allowed.

Explanation

You tried to backup or archive a drive that has no volume label.

System action

IBM Storage Protect rejected the selected drive.

User response

If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

FMV5176W: The requested virtual machine operation cannot be performed because a virtual machine backup or restore operation is already in progress. Please retry the operation after the first operation completes.

Explanation

A virtual machine operation is already in progress, so the requested virtual machine operation cannot be performed until the first operation completes.

System action

Processing stops

User response

Wait for the first virtual machine operation to complete, and then restart the current request.

FMV5177E: Client-side deduplication and server-initiated sessions are mutually exclusive.

Explanation

Conflicting options SESSIONINIT=serveronly and DEDUPLICATION=yes were specified. This combination is not allowed.

System action

Processing stops.

User response

Use client-initiated sessions or disable client-side deduplication

FMV5178E: Restart of the RSM service failed. Restart the RSM service manually.

Explanation

RSM database files have been restored from the IBM Storage Protect server and imported. The client has tried to restart the RSM service on the user's behalf but has run into a problem.

System action

Processing stopped.

User response

Restart the RSM service manually.

FMV5179E: Client is unable to continue. Exiting program.

Explanation

Client ran into a problem and is unable to continue. This error message is usually preceded by other error messages. Resolve those errors and try again.

System action

Program terminates.

User response

Fix the problem(s) that preceded this message and then restart the client.

FMV5181E: Invalid selection; A specific backup set must be selected.

Explanation

A selection was made that might result in multiple backup sets being restored at the same time, but restoring multiple backup sets at the same time is not supported.

System action

The backup set restore was not performed.

User response

Select a specific backup set to be restored.

FMV5182E: Multiple backup sets can not be restored at the same time.

Explanation

Multiple backup sets were selected to be restored, but restoring multiple backup sets at the same time is not supported.

System action

The backup set restore was not performed.

User response

Select a specific backup set to be restored.

FMV5183W: Objects of different types cannot be restored at the same time.**Explanation**

Restoring objects of different types is not allowed. For example, restoring Backup Sets and regular file objects at the same time is not possible.

System action

No processing takes place.

User response

Select objects of the same type to perform restore operation.

FMV5184E: Illegal Operation On Following Object: *object***Explanation**

Requested operation cannot be performed on this object.

System action

This object will be skipped.

User response

Try another operation on this object, or try the same operation on another object.

FMV5186E: Server is downlevel, System Services and System State backup disabled for this session.**Explanation**

The operation cannot be performed because server version is downlevel.

System action

System Service and System State backup is disabled for this session.

User response

Must use level 5.2.0 or higher server.

FMV5187E: Unable to set SHAREAS extended attribute for file: 'pathname' Return code: 'returncode' 'strerror' Reason code: 'reasoncode'

Explanation

You must be the file owner or have superuser authority.

System action

File processed without setting attribute.

User response

The attribute must be set manually.

FMV5188E: Periodic Full plus Incremental VM backups have been deprecated. Please use Incremental Forever Full or Incremental Forever Incremental to perform virtual machine backups.

Explanation

Periodic Full plus Incremental virtual machine backups have been deprecated.

System action

Processing stops

User response

Restart the virtual machine backup and use Incremental Forever Full or Incremental Forever Incremental instead for the backup mode.

FMV5189E: Online SystemState restore has been deprecated. Please use offline WinPE method for performing system state restore.

Explanation

Online SystemState restore has been deprecated.

System action

Processing stops

User response

Perform the system state restore using offline WinPE method.

FMV5191E: NT Active Directory is not online. Offline backup is not supported.

Explanation

NT Active Directory is not online when performing a backup operation. Offline backup is not supported.

System action

Processing stopped.

User response

Reboot computer and turn on Active Directory, and try the operation again.

FMV5192E: NT Active Directory is online. Online restore is not supported.**Explanation**

NT Active Directory is online when performing a restore operation. Online restore is not supported.

System action

Processing stopped.

User response

Reboot computer and enter Active Directory repair mode, then try the operation again.

FMV5193E: Certificate Services is not online. Offline backup is not supported.**Explanation**

Certificate Services is not online when performing a backup operation. Offline backup is not supported.

System action

Processing stopped.

User response

Start Certificate Services and try the operation again.

FMV5194E: Certificate Services is online. Online restore is not supported.**Explanation**

Certificate Services is online when performing a restore operation. Online restore is not supported.

System action

Processing stopped.

User response

Stop Certificate Services and try the operation again.

FMV5196W: Invalid encryption key password entered.

Explanation

The encryption key password supplied does not meet the IBM Storage Protect requirements. This key can be up to 63 bytes in length and include the following characters: A-Z Any letter, A through Z, uppercase or lowercase 0-9 Any number, 0 through 9 + Plus . Period _ Underscore - Hyphen & Ampersand

System action

IBM Storage Protect allows you to try again.

User response

Enter the correct encryption key password.

FMV5201E: The specified function is not implemented

Explanation

The specified function is not implemented.

System action

Processing stopped.

User response

Correct the command and retry the operation.

FMV5202I: One or more system objects were excluded from processing by entries in the include-exclude list.

Explanation

One or more system objects were excluded from processing by entries in the include-exclude list and the client did not process them.

System action

Excluded objects skipped.

User response

None.

FMV5204W: Only one backup set may be selected for restore.

Explanation

Restoring multiple backup sets is not allowed. Only one backup set may be selected and restored.

System action

No processing takes place.

User response

Only one backup set may be selected for restore.

FMV5208E: An invalid date or time was entered.

Explanation

An invalid date or time value was entered. Either the syntax of the value was not correct, or an actual value (for example, "45" for month) was invalid.

System action

Processing stops.

User response

Identify and correct the invalid date or time value. Refer to the user's guide of the corresponding platform for the correct date syntax.

FMV5209E: System Volume backup failed.

Explanation

IBM Storage Protect encountered an error while backing up files of the Windows 2000 System Volume

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the backup operation

FMV5210E: System Volume restore failed.

Explanation

IBM Storage Protect encountered an error while restoring files of the Windows 2000 System Volume

System action

Processing stopped.

User response

Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the restore operation.

FMV5211E: The cluster service is offline. The cluster service must be online to perform an authoritative cluster database restore operation.

Explanation

The cluster service must be online to restore the cluster database. IBM Storage Protect tried to start the service and failed. It is possible that an authoritative restore cannot be done.

System action

Processing stops.

User response

Start the cluster service and retry the operation.

FMV5212E: An error occurred while trying to rename file space.**Explanation**

This operation can not be completed because the file space could not be renamed.

System action

IBM Storage Protect ended the current operation.

User response

Contact system administrator for more information.

FMV5215E: *function-type* is not allowed on object '*object*'. Object is not sent to the server.**Explanation**

The operation could not be performed on this object. For example, if this is an image operation, the selected path is a file or a directory and therefore is not a valid object for image operations.

System action

This object is skipped.

User response

Verify that the object named is of a type supported by the command. For example, if a filespace name is required but a directory name was given, change the name so it includes only the filespace name.

FMV5216E: Could not establish a TCP/IP connection with address '*tcp-addr:tcp-port*'. The TCP/IP error is '*tcp-err-string*' (errno = *errno*).**Explanation**

A TCP/IP connection was attempted with a server or agent program and failed.

System action

Processing stops.

User response

Ensure that the target TCP/IP address and port number is correct. Check to ensure that a IBM Storage Protect server or agent has been started at the target TCP/IP address and is configured to listen at the port listed in the message.

FMV5217E: Your node does not have permission to delete backed up files.

Explanation

You cannot delete backed up files unless your IBM Storage Protect administrator has authorized your node to do so.

System action

IBM Storage Protect does not delete the backed up files.

User response

Use the DSMC QUERY SESSION command to verify your authorization. Ask your IBM Storage Protect administrator to provide the necessary authorization.

FMV5219W: Objects of different groups cannot be restored at the same time.

Explanation

Restoring objects of different groups is not allowed.

System action

No processing takes place.

User response

Select objects of the same group to perform restore operation.

FMV5222E: The archive description exceeds 254 characters.

Explanation

IBM Storage Protect places a maximum length of 254 characters on the archive description.

System action

processing stops.

User response

Issue the command again and specify a shorter valid archive description.

FMV5224W: Error *error code* encountered while reverting to the restored snapshot.

Explanation

After the virtual machine disks are restored, the virtual machine is reverted to the restored state. The specified error was encountered while performing this revert operation.

System action

Processing continues

User response

Try powering on the restored virtual machine. If it fails to start, re-try the restore process.

FMV5225W: Error *error code* encountered while removing the restored snapshot.**Explanation**

After the virtual machine disks are restored, the virtual machine is reverted to the restored state, and the snapshot is removed. The specified error was encountered while removing the snapshot.

System action

Processing continues

User response

Try powering on the restored virtual machine. If it fails to start, re-try the restore process.

FMV5226E: The virtual machine backup operation failed.**Explanation**

The virtual machine backup operation failed. Check the error log for details on why the operation failed.

System action

Processing stops

User response

Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

FMV5227E: IBM Storage Protect detected an error where both a snapshot name was specified, and a request to create a snapshot were specified.**Explanation**

Either a snapshot name should be specified, or a request for IBM Storage Protect to create the snapshot should be specified, but not both.

System action

Processing stops.

User response

This is an internal error and should be reported to your service representative.

FMV5228E: A backup VM operation failed because VMMAXPARALLEL was reduced to 1 and the client still cannot obtain a server mount point.

Explanation

During a parallel backup operation, concurrent backup sessions required additional server mount points to perform the backups in parallel. The client attempted to obtain the additional mount points, but the client requests exceeded the number of mount points (MAXNUMMP) defined for the node. In an effort to make the backup occur, the client reduced the VMMAXPARALLEL option to 1, but was still unable to obtain a mount point. The backup operation was stopped.

System action

The backup operation was stopped

User response

Check the console or schedule log for additional information. Retry the operation at a later time. Ensure VMMAXPARALLEL is set to a value less than or equal to MAXNUMMP.

FMV5229E: The Snapshot is already mounted for backup '*backup-name*'.

Explanation

The Snapshot is currently mounted on the local machine or a remote machine. No mount operation on the snapshot will be allowed until it has been unmounted.

System action

Processing stops

User response

See the dsmerror.log file for further details.

FMV5230E: The Snapshot is already imported to the local system for backup '*backup-name*'.

Explanation

The Snapshot is currently imported on the local machine. This maybe because the Snapshot is in use or it was not created with the Import VSS snapshots only when needed feature enabled.

System action

Processing stops

User response

Remote Mount operation not allowed on snapshots that are currently imported.

FMV5231E: VMDK size reported by VMware vSphere API is different than actual size of vmdk file. Reissue the restore command with the testflag -VMRESTORE_INCVMDKSIZE.

Explanation

VMDK size reported by VMware vSphere API for virtual machine configuration is different than actual size of vmdk file. This can be the result of running a storage alignment tool on vmdk files before backup.

System action

Restore processing stops.

User response

Reissue the restore command with the testflag -VMRESTORE_INCVMDKSIZE.

FMV5232I: The virtual machine backup operation was skipped.

Explanation

The virtual machine backup operation was skipped. Check the error log for details on why the operation was skipped.

System action

Processing of the virtual machine is skipped

User response

Review the console output and error logs for the details.

FMV5233E: The directory cannot be found in the specified backup. The top-level directory is displayed.

Explanation

An invalid or unreachable directory path was specified.

System action

The top-level directory is displayed instead.

User response

Select a valid directory and change the backup again.

FMV5234E: The system cannot connect to the virtual machine or the machine is powered off. If the problem persists, contact your administrator.

Explanation

The virtual machine is powered off or the Windows domain administrator credentials is not correct.

System action

Processing stops.

User response

Ensure that the virtual machine is powered on. Use `dsmc SET PASSWORD -type=DOMAIN 'domain\userid' 'password'` to update the Windows domain credentials. Then, try the operation again.

FMV5235E: The virtual machine cannot be reached or a firewall is blocking the connection to the machine.

Explanation

The file restore interface cannot reach the virtual machine or a firewall is blocking the connection.

System action

Processing stops.

User response

Ensure that the virtual machine is powered on. If the virtual machine is powered on, review the firewall rules to ensure that the correct ports are opened. Also ensure that the virtual machine host name and TCP/IP address are resolving in the DNS server and there are no network issues.

FMV5236E: You do not have permission to restore the file to the destination folder.

Explanation

The user does not have permission to restore files to the selected destination.

System action

Processing stops.

User response

Ensure that the user has proper permissions to restore files to selected location.

FMV5237E: File Restore is not set up correctly or the virtual machine cannot be reached. Contact your administrator for assistance.

Explanation

The user is unable to log in to the file restore interface due to one of the following reasons:

- The configuration of File Restore is incorrect because the Windows domain credentials do not have the correct permissions.
- The virtual machine is powered off or a firewall is blocking the connection.
- A network issue.

System action

Processing stops.

User response

The administrator can take the following actions to correct the problem:

- Ensure that the Windows domain credentials provided in the configurations notebook has the correct permissions to connect to the virtual machine.
- Ensure that the virtual machine is powered on and any firewall has been updated to allow connections from the mount proxy machine.
- Ensure that the mount proxy machine is able to connect to the virtual machine manually to ensure there is no networking issue.

FMV5238E: Cannot get list of Linux block devices on the Linux mount proxy machine.

Explanation

The Linux command blkid to get the list of block devices fails.

System action

The operation stops.

User response

Check that the blkid Linux command is working correctly on the Linux mount proxy machine.

FMV5239E: Cannot add the disk flat file '*flat file*' because no free loop devices are available on the Linux mount proxy machine.

Explanation

Some Linux machines have a limited number of loop devices. For file restore operations of a local snapshot, it is required that each Linux proxy machine have a free loop device for each volume to mount.

System action

The file restore operation stops.

User response

Increase the number of loop devices on the Linux mount proxy machine or install the Linux mount proxy on a Linux distribution where the number of loop devices is not limited.

FMV5240E: Setting up device mappings for the disk flat file '*flat file*' by using the kpartx command on the Linux mount proxy machine failed with rc '*rc*'.

Explanation

A failure occurred trying to create devices with the Linux utility command kpartx.

System action

The file restore operation stops.

User response

Check that the kpartx Linux command is working correctly on the Linux mount proxy machine.

FMV5241E: Mounting block device '*device_name*' to '*mount-point*' failed with rc '*rc*'.

Explanation

A file restore operation was unable to mount the original block device on the Linux mount proxy. The mount command on the Linux mount proxy produced an unexpected error and the related block device was not mounted. The specified volume was skipped.

System action

File restore operations continue with the next device.

User response

Update the Linux mount proxy OS. This behavior has been observed with LVM on a guest machine with Redhat 7.3 and Redhat 6.5 on the mount proxy.

FMV5242E: Assembling the RAID device '*device*' failed with rc '*rc*'.

Explanation

A failure occurred trying to assemble a RAID device on the Linux mount proxy.

System action

Marking device as 'mount_failed' and continuing the file restore operation.

User response

Check the consistency of the RAID device.

FMV5243E: Activating LVM device number '*device-number*' failed with rc '*rc*'.

Explanation

A failure occurred trying to activate LVM device on the Linux mount proxy.

System action

Marking device as 'mount_failed' and continuing the file restore operation.

User response

Check the consistency of the LVM device.

FMV5244E: It is not possible to detect the original mount points because the etc path cannot be found in any mounted volumes.

Explanation

To detect the original mount points, it is required to read the fstab and mtab files that are present in the etc path.

System action

The file restore operation continues.

User response

Check that the original virtual machine guest has a valid etc path.

FMV5245W: TCPWINDOWSIZE *optionCur* is specified, but exceeds the maximum value allowed by IBM Storage Protect. TCPWINDOWSIZE *optionNew* will be used instead.

Explanation

Refer to product manual for more information about the TCPWINDOWSIZE option.

System action

The operation continues with the maximum value allowed by IBM Storage Protect.

User response

Set TCP window size to a value in the allowable range.

FMV5246W: TCPWINDOWSIZE *optionCur* is specified, but exceeds the maximum value allowed by the operating system. TCPWINDOWSIZE *optionNew* will be used instead.

Explanation

The specified value is within the range allowed by IBM Storage Protect, but the operating system restricts the value to something less.

System action

The operation continues with the maximum value allowed by the operating system.

User response

Set TCP window size to a value allowed by the operating system.

FMV5247E: The configuration for File Restore is not complete. Contact your administrator for assistance.

Explanation

The user is unable to log in to the file restore interface because the Windows domain credentials are missing.

System action

Processing stops.

User response

The administrator must provide the Windows domain administrator credentials in the File Restore page of the configuration notebook in the Data Protection for VMware vSphere GUI.

FMV5248E: It is not possible to detect the original mount points because the original virtual machine guest file system information cannot be read. rc='rc'.

Explanation

To detect the original mount points, it is required to read the fstab file that is present in the etc path.

System action

The file restore operation continues.

User response

Check that the original virtual machine guest has a valid fstab file.

FMV5249E: The virtual machine restore operation failed.

Explanation

The virtual machine restore operation failed. Check the error log for details on why the operation failed.

System action

Processing stops

User response

Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

**FMV5250E: An unexpected error was encountered. IBM Storage Protect
function name : *function-name* IBM Storage Protect function :
function-desc IBM Storage Protect return code : *TSM-rc* IBM Storage
Protect file : *file-name (line-number)***

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV5251E: The snapshot provider is not available for this operation.

Explanation

IBM Storage Protect was not able to take a snapshot because the snapshot provider is not available.

System action

Processing stopped.

User response

If you are attempting an operation using the Microsoft Volume Shadow Copy service make sure that Volume Shadow Copy service is installed on the system and also ensure that the IBM Storage Protect snapshot plugin "pivss.dll" is present.

**FMV5252E: IBM Storage Protect attempted to execute a system command
which failed. command : *command* rc : *rc***

Explanation

IBM Storage Protect needed to execute a system command in conjunction with a snapshot operation.

System action

Processing stops.

User response

See your system administrator.

FMV5253W: The system could not create Volume Shadow Copy Services staging directory '*dir*'.

Explanation

The system was unable to create a user-specified location for the Volume Shadow Copy Services staging area. The default staging area on the system drive will be used instead.

System action

Processing continues.

User response

Check the option to specify the staging area for Volume Shadow Copy Services operations and specify a valid location.

FMV5254E: The Volume Shadow Copy Services snapshot plugin '*pivss.dll*' was not found.

Explanation

The system cannot find the VSS snapshot plugin '*pivss.dll*' in any of the plugin locations.

System action

Processing stops.

User response

Check the IBM Storage Protect installation to ensure the plugin was installed correctly.

FMV5255E: Unable to copy local file '*local-file*' to remote location '*remote-file*'.

Explanation

An attempt to transfer a file to a remote system failed..

System action

Processing stops.

User response

Ensure that the directory path on the remote system exists and that the IBM Storage Protect application has the proper authority to write to that location.

FMV5256W: Cannot find the original mtab file.

Explanation

To detect the original mount points, it is required to read the original mtab information. In some Linux distributions, the mtab file could be a symbolic link to */proc/self/mounts* that could interfere with the Linux mount proxy.

System action

The file restore operation continues.

User response

Check that the original virtual machine guest has a valid mtab file.

FMV5257E: The volume '*volume*' does not support the requested VSS operation.

Explanation

The volume does not support the requested VSS operation. Some reasons for this error include the following conditions:

- For off-load backup requests, a hardware provider cannot be found
- For off-load backup requests, the provider does not support transportable media
- For local backup requests, the provider does not support persistent snapshots
- For backup requests of Hyper-V virtual machines that are located on the volume with a Cluster Shared Volume File System and the VSSUSESYSTEMPROVIDER option is set to YES

System action

Processing stops.

User response

Try the backup again, and use a supported backup destination. If you are backing up Hyper-V VMs and the VSSUSESYSTEMPROVIDER option is set to YES, try the operation again, with the VSSUSESYSTEMPROVIDER option set to NO.

FMV5258E: Microsoft volume shadow copy snapshot initialization failed.

Explanation

IBM Storage Protect encountered an error while initializing the Microsoft Volume Shadow Copy Service for backup or restore. The IBM Storage Protect error log and Windows event log can contain additional information about this error.

System action

IBM Storage Protect stops the operation.

User response

Try the operation again. If the error persists, review the IBM Storage Protect error log and Windows event log for information related to this error. Use the Windows command VSSADMIN LIST WRITERS to determine the status of the Volume Shadow Copy service. Reboot the machine to clear the volume shadow copy error state. If the system is a Domain Controller and the Active Directory service is stopped, restart the Active Directory service.

FMV5259W: Failed to update volume '*volume*' for read-write access used for '*volume*'.

Explanation

Changing the volume to read-write access requires exclusive access to the volume. If the volume is opened by any application, this operation will fail.

System action

Processing continues.

User response

Close all the applications using the volumes and use operating system's interface to mount failed volume for read-write access.

FMV5260W: Restore object '*volume*' has volume either source '*volume*' or target '*volume*' volume that has already been selected for restore from a different snapshot volumes. It will be restore using file-level copy.

Explanation

This error can occur when multiple objects are selected for snapshot restore and have data overlapping on the volumes and were selected for restore from different backup versions. Snapshot restore can only be performed from one local backup.

System action

The restore object identified in the message will be restored using the file-level copy after snapshot restore is completed.

User response

Retry the restore of identified object separately for faster restore using snapshot.

FMV5261W: An attempt to create a snapshot has failed. Another attempt will be made to create the snapshot in *number* seconds.

Explanation

An attempt to create a snapshot has failed with a retryable error. The program will wait for a short time and retry the operation.

System action

None.

User response

Check the IBM Storage Protect error logs for additional information.

FMV5262I: Snapshot restore will failover to file-level copy from snapshot volume.

Explanation

Snapshot restore is not possible due to an error at this time. IBM Storage Protect will automatically fail over to other restore method to complete the restore operation.

System action

Processing continues.

User response

Check the error log for more information from messages preceding this one to identify the error condition.

FMV5263E: Snapshot module for '*snapshot provider*' failed with error '*error msg*'.

Explanation

The snapshot module for identified snapshot provider failed to perform the operation and returned with the identified error.

System action

Restore may automatically failover to alternate restore method 'file-level copy from snapshot volume' if possible. Otherwise, processing stops.

User response

Check the error log for more information from messages preceding this one. Use snapshot provider interface to identify and correct the problem.

FMV5264W: No snapshot plugin found for '*snapshot provider*' snapshot provider.

Explanation

The snapshot restore requires a plugin for the specified snapshot provider type. The plugin must be installed under IBM Storage Protect directory.

System action

Restore will failover to alternate restore method of 'file-level copy from snapshot volume'.

User response

Contact your IBM Storage Protect administrator to obtain and install the required plugin module.

FMV5265W: Snapshot restore has already been initialized using '*snapshot provider*' provider module. Another module for '*snapshot provider*' provider can not be loaded at the same time for restore of '*object name*'.

Explanation

This error occurs when restoring multiple LOCAL backup objects that were created using different snapshot providers. Snapshot restore can only be done using one snapshot interface.

System action

Restore will failover to file-level copy restore from snapshot volume.

User response

If snapshot restore is desired for the object identified in the message, restore it using a separate command.

FMV5266E: File-level copy restore of '*object name*' failed.

Explanation

Data files could not be copied from the local backup to their destination, causing restore to fail.

System action

Processing continues to another object, if multiple objects are selected for restore.

User response

Check the error log for more information from messages preceding this one.

FMV5267E: Disk Mapper module failed for the operation.

Explanation

An underlying IBM Storage Protect operation has failed to perform the operation due to a system error.

System action

Processing stops.

User response

Check the error log for more information from messages preceding this one to identify cause of the failure. Contact IBM Storage Protect administrator for more information.

FMV5268W: The Microsoft Volume Shadow Copy Services writer '*name*' current state (*state*) is not valid for the current operation.

Explanation

None.

System action

The system will retry the operation automatically after thirty seconds up to three times to allow the writer to return to the proper state. If after three attempts the writer is still in the incorrect state, the operation will fail.

User response

Determine if there are other Volume Shadow Copy Services operations that are occurring concurrently with the current operation.

FMV5269E: The Microsoft Volume Shadow Copy Services writer '*name*' current state (*state*) is not valid for the current operation or cannot be determined. The last error reported is '*error*'.

Explanation

None.

System action

Processing stops.

User response

Check the Microsoft event log to determine if there are any problems with the writer.

FMV5270E: A VSS restore request with timestamp '*time1*' conflicts with a restore request with timestamp '*time2*'

Explanation

A VSS restore request was issued which requires restoring multiple components which reside in VSS backup documents with different backup timestamps. For example, a user backs up Exchange storage group STG1 on Monday and Exchange storage group STG2 on Tuesday. On Wednesday, the user tries to restore STG1 and STG2.

System action

Processing stops.

User response

Resubmit the restore request as separate requests for each component. For example, if you receive this error trying to restore Exchange storage groups STG1 and STG2, resubmit a restore request for storage group STG1 and a separate restore request for storage group STG2.

FMV5271E: A Microsoft Volume Shadow Copy Services writer is in an invalid state before snapshot initialization.

Explanation

None.

System action

Processing stops.

User response

See the IBM Storage Protect error logs for additional information.

One of the VSS writers is in an invalid or unexpected state. Try the command "vssadmin list writers" and check the state of VSS writers. Writers must be in STABLE state before IBM Storage Protect can continue with VSS operations. Some of the writers can recover automatically from minor errors. In most cases, restarting a writer solves the problem. The easiest way to restart writers is to restart the operating system. It is possible to restart the specific service that implements a VSS writer, but it is difficult to determine which service to restart.

FMV5272E: A Microsoft Volume Shadow Copy Services writer is in an invalid state after snapshot initialization.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5273E: A Microsoft Volume Shadow Copy Services writer is in an invalid state after taking a snapshot.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5274E: A Microsoft Volume Shadow Copy Services writer is in an invalid state after backup completion.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5275E: A Microsoft Volume Shadow Copy Services writer is in an invalid state before restore initialization.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5276E: A Microsoft Volume Shadow Copy Services writer is in an invalid state after preparing for a restore operation.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5277E: A Microsoft Volume Shadow Copy Services writer is in an invalid state after restore termination.

Explanation

None.

System action

Processing stops.

User response

See the error log for additional information.

FMV5278W: Cannot detect all the original mount points because the number of standard devices mounted '*device-number*' is different than the number of standard devices found in fstab and mtab files '*device-number*'.

Explanation

This is a requisite for the recognition of the standard devices.

System action

The file restore operation continues.

User response

Check that the devices are correct in the fstab and mtab of the virtual machine guest.

FMV5279E: Error processing '*filename*': file not found.

Explanation

The file being processed for backup, archive, or migrate, no longer exists on the client. Another process deleted the file before it was backed up, archived, or migrated by IBM Storage Protect.

System action

Processing stops.

User response

None.

FMV5280E: Object enumeration from a file set or file list failed.

Explanation

For more information, see the IBM Storage Protect client error log. This message is always accompanied by error log message FMV5279E if the object was not found or by FMV5250E for other causes, for example, access was denied. These messages identify the object in question.

System action

Processing stopped.

User response

See the user response based on other messages in the client error log.

FMV5281E: A remote backup failure has occurred. remote node name : *node* remote address : *address* multi-node name : *multi-node* error message : *msg* return code : *rc*

Explanation

For more information, see the IBM Storage Protect client error log on the remote system.

System action

Processing stopped.

User response

See the user response based on other messages in the client error log.

FMV5282E: A remote backup failure has occurred.

Explanation

For more information, see the IBM Storage Protect client error log.

System action

Processing stopped.

User response

See the user response based on other messages in the client error log.

FMV5283E: The operation was unsuccessful.

Explanation

None.

System action

Processing stopped.

User response

See the user response based on other messages in the client error log.

FMV5284I: IBM Storage Protect has detected an incomplete setup! The client options file 'dsm.opt' was not found, while the system options file '*file-path*' exists! The wizard will guide you through the configuration process of the initial basic IBM Storage Protect client options files replacing your current option file. Would you like to continue?

Explanation

IBM Storage Protect has detected an incomplete setup. The user options file, dsm.opt, was not found. Additionally, a system options file, dsm.sys, was found. To complete the configuration the configuration wizard will create dsm.opt and replace dsm.sys with minimal settings.

System action

IBM Storage Protect may stop

User response

If the current version of dsm.sys is needed, rename the file and restart IBM Storage Protect. If the current version is not needed, select yes and allow IBM Storage Protect to replace the file.

FMV5285E: The Microsoft Volume Shadow Copy Services (VSS) backup XML document is not valid for restore. For more information, see the client error log.

Explanation

Microsoft has released a Volume Shadow Copy Services (VSS) update in the following operating system versions:

- Windows 2003 update rollup package KB940349
- Windows Vista Service Pack 1

This new VSS fix packages causes VSS to generate .xml control files in a format which is not compatible with the earlier versions of VSS. This error can occur when a system state restore is being performed from a base operating system level which does not have the VSS fixes applied and the system state backup files were created by an operating system level that did have the VSS fixes applied.

System action

Processing stops.

User response

The restore procedure for Windows system state requires that the operating system version and service pack level used to initiate the restore be at the same operating system and service pack level used to create the system state backup. In addition note the following:

- On Windows 2003 systems you must also apply the VSS rollup package KB940349 prior to performing the System state restore.
- On Windows Vista you must apply the same service pack that was installed at the time of backup prior to performing the system state restore.

FMV5286I: The VSS Instant Restore operation was successful but some existing VSS snapshots have been deleted by the VSS provider.

Explanation

A successful VSS Instant Restore operation was performed for snapshot volumes that were in a dependent relationship. In order for the restore process to succeed, it was necessary to remove the snapshot volumes causing the dependency. Those snapshot volumes typically represent newer snapshot backups. This forced IBM Storage Protect to remove the backups that included the deleted snapshots. This situation is typical when using SAN Volume Controller (SVC) space-efficient volumes that have multiple snapshots.

System action

Processing continues.

User response

None.

FMV5287W: VSS restore operation will be performed using VSS Fast Restore because the XIV VSS Hardware Provider is at level 2.2.2.

Explanation

XIV VSS Hardware Provider 2.2.2 has issues with VSS Instant Restore. Please update the XIV VSS Hardware Provider to version 2.2.3, or later.

System action

Processing continues.

User response

Update XIV VSS Hardware Provider to version 2.2.3, or later.

FMV5288W: Test flag DISCARDZEROFILEDATA enabled. Discarding data for zero length object *file-name*

Explanation

During the restore of a zero length file or directory, data was decompressed. This data could be Extended Attributes, Alternate Streams, or ACL data. By default this data is restored. Because the DISCARDZEROFILEDATA test flag is set the data is discarded.

System action

The data is discarded and processing continues

User response

Note the file or directory name in this message and determine if the discarded data needs to be reset through some other means.

FMV5289W: The sequence of the devices is not correct and it is not possible to identify all the original mount points. The volume '*volume*' is not consistent. The detection of the original mount points is stopped.

Explanation

The correct order of the devices is required for the recognition of the standard devices.

System action

The detection of the original mount points is stopped. The file restore operation continues.

User response

Check that the devices are correct in the fstab and mtab files of the virtual machine guest.

FMV5290W: Devices of type '*device_type*' are not supported. Skipping device '*device_name*'.

Explanation

The device detected is not supported.

System action

The device for the target virtual machine is not mounted. The operation continues.

User response

Use a different type of device on the guest machine. Only ext2,ext3,ext4,xfs, btrfs and reiserfs are supported devices.

FMV5291E: An error occurred while attempting to delete the temporary linked clone virtual machine '*linked clone name*' (rc=*return code*). Check if this virtual machine still exists and delete it manually.

Explanation

It was not possible to delete the linked clone virtual machine. This temporary virtual machine was created for file restore purposes to mount a local snapshot. This virtual machine may have been manually renamed, or accidentally modified or deleted.

System action

The file restore cleanup operation continues.

User response

Check if this virtual machine still exists and delete it manually.

FMV5292E: A valid password file was not found for server '*server-name*'. The administrator for your system must run the backup-archive client and enter the password to store it locally. Additionally, the administrator needs to give the non-administrative user read access to the password file.

Explanation

The file containing the stored password for the specified server *server-name* is unavailable.

System action

Processing ends.

User response

The administrator for your system must set and store a new password and make the password file readable by the non-administrative user.

FMV5293E: A valid password file was found for server '*server-name*', but it does not have read access granted to non-administrative users. The administrator for your system needs to change the password files to allow non-administrative users to read the files or the user needs to become an authorized user.

Explanation

The file containing the stored password for the specified server *server-name* is not readable by non-administrative users.

System action

Processing ends.

User response

The administrator for your system must set the password files to be readable by the non-administrative user.

FMV5294E: The current user is not an IBM Storage Protect Authorized user. You must be an IBM Storage Protect Authorized user to perform the current operation.

Explanation

In order to perform normal IBM Storage Protect operations you must be an Authorized user. Please refer to the 'IBM Storage Protect UNIX and Linux Backup-Archive Clients Installation and User's Guide' for details configuring your environment to allow the system user to become an IBM Storage Protect Authorized user.

System action

Processing ends.

User response

The administrator must update the dsm.sys options file to set the PASSWORDDIR option to a location readable by the current user or to give the current user read/write permissions to the password file.

FMV5296I: The virtual machine '*vm-name*' contains one or more virtual disks that are of type Thick Eager Zero. Creating disks of this type can take a long time. This restore operation might time out before the disks are ready.

Explanation

Restoring a VM that has Thick Eager Zero virtual disks can take a long time to complete because the disks are zero-filled to obscure any previous content. The time that is required to provision a Thick Eager Zero disk depends on processing loads on the VMware resources (vCenter and datastores).

System action

None

User response

Reattempt the restore operation at a time when the processing load is light on the datacenter and vCenter resources

FMV5298E: A Flashcopy background copy is in progress between source volume: and target volume: .

Explanation

A Flashcopy background copy from a previous operation is not complete for the given source and target volumes.

System action

Command will fail.

User response

Please wait until the background copy is complete and retry the command.

FMV5300E: Error detected in specified file list '*file list name*' during processing of line *line number*: found an invalid *external object ID / inode number / inode generation number / restore order number / alias* entry: '*invalid entry*'. Invalid line: '*invalid entry*'

Explanation

File list parsing failed because of an invalid entry.

System action

The operation aborted because of an file list error.

User response

Correct the invalid file list entry and restart the operation.

FMV5301E: Error detected in specified file list '*file list name*' during processing of line *line number*: found an invalid ordering of external object IDs. ext. object ID of previous file: *previous external object ID* ext. object ID of current file: *current external object ID*

Explanation

File list parsing failed because of an invalid ordering of the external object IDs.

System action

The operation aborted because of an file list error.

User response

Correct the invalid file list ordering and restart the operation.

FMV5302E: File list stream error to file '*file list name*' detected during processing of line *line number*.

Explanation

File list processing failed because of an stream error.

System action

The operation aborted because of an file list stream error.

User response

Check the specified file list and restart the operation.

FMV5303I: *** *date* Processed *count* IBM Storage Protect server and *count* file list objects *******

Explanation

IBM Storage Protect has processed the specified number of IBM Storage Protect server and file list objects.

System action

Processing continues.

User response

None.

FMV5304E: *program-name*: synchronous file deletion failed for external object ID: *external object ID*.

Explanation

The HSM client could not delete an object on the IBM Storage Protect Server.

System action

The current file is skipped for synchronous file deletion and the process will continue.

User response

Check the IBM Storage Protect server log file.

FMV5307E: The session is rejected. The server does not allow a signon of a client that is not enabled for space-management retention-protection.

Explanation

The client cannot establish a connection to the server because the server is enabled for space-management retention-protection and the client is not.

System action

The session is not started.

User response

See your system administrator.

FMV5821E: Cannot connect to Active Directory.

Explanation

IBM Storage Protect could not connect to Active Directory. The Active Directory is either not running or you don't have enough permissions to use it.

System action

Processing stops.

User response

Make sure your system is set up as Active Directory controller and the the service is active. Make sure you are logged in as a user with sufficient rights to administer the Active Directory.

FMV5822E: No Active Directory objects match query.

Explanation

A search has been performed in Active Directory; however, no objects matching the query were found.

System action

Processing stops.

User response

Make sure you specify a valid distinguished name of Active Directory object or a container, or a valid wildcarded name, and that you have sufficient rights to administer the Active Directory.

FMV5823W: Object exists, skipping

Explanation

The client tried to restore the specified object, but the object already existed in the target restore location and the user chose not to replace the existing object.

System action

The object is skipped, a message is logged in dsmerror.log, and restore processing continues with the next object.

User response

The object was skipped because either REPLACE NO was in effect, causing all existing objects to be skipped, or REPLACE PROMPT was in effect, and when prompted, the user chose to skip this object. No additional action is necessary if the decision to skip the object was deliberate. Otherwise the operation can be retried using either REPLACE ALL (automatically replace existing object) or REPLACE PROMPT (prompt the user whether to replace the object).

FMV5824E: Invalid Active Directory search specification.

Explanation

The search specification for Active Directory objects is not valid.

System action

Processing stops.

User response

Refer to the documentation for supported Active Directory syntax.

FMV5825E: Reanimate '*tombstone-name*' to '*distinguished-name*' failed. See the error log for more details.

Explanation

An attempt to reanimate Active Directory tombstone object has been performed, but an error occurred.

System action

Processing continues to process all other tombstone objects per user's request.

User response

None.

FMV5826E: Restoring to a read-only domain controller is not allowed.

Explanation

An attempt to restore to a read-only domain controller.

System action

Processing stops.

User response

None.

FMV5827E: A backup copy of the Active Directory database was not found.

Explanation

An attempt to restore Active Directory objects from a database that was not backed up.

System action

Processing stops.

User response

Verify the Active Directory was backed up with system state.

FMV5828E: A system state file space was not found on the server. Active Directory functions can not be executed.

Explanation

An attempt to restore the Active Directory database from a system state backup that does not exist.

System action

Processing stops.

User response

Verify that system state was backed up or back up the system state then retry the command.

FMV5829E: A system state backup on the specified date was not found. Active Directory functions can not be executed.

Explanation

An attempt to restore the Active Directory database from a system state backup that does not exist.

System action

Processing stops.

User response

Verify that system state was backed up on the specified date or specify a new date.

FMV5830E: Restore of object '*tombstone - name*' is not allowed by Active Directory.

Explanation

Object of certain types cannot be restored. This is a system limitation.

System action

Processing continues to process all other objects per user's request.

User response

None.

FMV5831E: Restore for this object is not allowed by Active Directory.**Explanation**

Object of certain types cannot be restored. This is a system limitation.

System action

Processing continues to process all other objects per user's request.

User response

None.

FMV5832E: Reanimate tombstone object failed. See the error log for more details.**Explanation**

An attempt to reanimate Active Directory tombstone object has been performed, but an error occurred.

System action

Processing continues to process all other tombstone objects per user's request.

User response

None.

FMV5833E: This system is a Domain Controller but the Active Directory service is stopped. You can not perform the operation unless the Active Directory service is running.**Explanation**

The Active Directory service must be running when you back up or restore the system state or operate on Active Directory objects. When the Active Directory service is running, it can be in online state or in offline state. When you query or restore Active Directory objects, or back up the system state, the Active Directory service must be online. When you restore the system state, the Active Directory service must be offline (but not stopped).

System action

Processing stopped.

User response

If you are querying or restoring the Active Directory objects or backing up the system state, put the Active Directory service in online state by starting the Active Directory service. If you are restoring the system state, put the Active Directory service in offline state by rebooting to the Active Directory Restore Mode. When the Active Directory service is in the appropriate state, retry the operation.

FMV5834E: Unexpected LDAP error occurred. See the error log for more details.

Explanation

An unexpected error occurred during Active Directory tombstone reanimation.

System action

Processing continues to process all other tombstone objects per user's request.

User response

Check the error log for detailed information on the LDAP error.

FMV5835E: An LDAP operation returned *return code: 'error string'*

Explanation

An unexpected error occurred during Active Directory tombstone reanimation.

System action

Processing continues to process all other tombstone objects per user's request.

User response

None.

FMV5836W: One or more attributes were not restored. See the error log.

Explanation

During processing of an Active Directory object, one or more object attributes could not be restored.

System action

Processing continues to process all other Active Directory objects per user's request.

User response

Check the error log for detailed information on which attribute(s) could not be restored.

FMV5837W: '*object name*': attribute '*attribute name*' could not be restored.

Explanation

The listed attribute could not be restored during processing on the Active Directory object.

System action

Processing continues to process all other Active Directory objects per user's request.

User response

None.

FMV5838E: The utility dsamain.exe does not exist on the system. You cannot perform the operation unless IBM Storage Protect can launch this utility.

Explanation

You attempted to launch dsamain.exe, but the utility does not exist.

System action

Processing stopped.

User response

Verify that the dsamain.exe utility exists in the Windows system32 directory. When you can run the utility independently of IBM Storage Protect, retry the operation.

FMV5839E: The Active Directory object specification is not allowed.

Explanation

You attempted to restore the domain object (starting with "DC="), or you attempted to restore all objects ("name=*"), or you did not specify anything.

System action

Processing stops.

User response

Modify the specification then retry the operation.

FMV5840E: The current user is not a member of the Administrators group, and cannot perform this function.

Explanation

You must be a member of the Administrators group to perform the Active Directory objects function.

System action

Processing stops.

User response

Log on with a user who is a member of the Administrators group or add this user to the Administrators group then retry the operation.

FMV5841E: Active Directory database could not be opened.

Explanation

An error occurred while opening the restored Active Directory database.

System action

Processing stopped.

User response

Make sure ntdsutil.exe utility is located in the same directory with IBM Storage Protect client executables. If it doesn't exist, reinstall the client. Verify that the dsamain.exe utility exists in the Windows system32 directory. When you can run the utility independently of IBM Storage Protect, retry the operation. If the problem persists, contact the support.

FMV5842E: '*tombstone - name*': object class violation.

Explanation

Object class error violation occurred during tombstone reanimation. This can happen if the Active Directory schema was modified and is no longer compatible with the tombstone.

System action

Processing continues to process all other objects per user's request.

User response

Recreate the failing object manually or restore it from a backup.

FMV5843E: Object class violation.

Explanation

Object class error violation occurred during tombstone reanimation. This can happen if the Active Directory schema was modified and is no longer compatible with the tombstone.

System action

Processing continues to process all other objects per user's request.

User response

Recreate the failing object manually or restore it from a backup.

FMV5844E: Unable to update password.

Explanation

An error occurred during the password update attempt.

System action

The password is not updated on the server.

User response

Try to update the password again.

FMV5845E: Unable to update password because the maximum number of update attempts has been exceeded.

Explanation

This message is issued after making 3 unsuccessful attempts to update the password. The original password for the node was entered incorrectly; the new password does not meet the length or valid character requirements for our passwords; or there was a mismatch between the first and second times the new password was entered.

System action

The password is not updated.

User response

- Make sure the original password is entered correctly. Contact your IBM Storage Protect administrator for further assistance if you do not know the original password.
- Make sure the new password meets the password length and character requirements.
- You will be prompted to enter the new password two times, so make sure it is entered correctly both times.

FMV5876I: SET EVENT Activate Retention completed

Explanation

The Data Retention ACTIVATE transaction has completed.

System action

IBM Storage Protect activated the objects that were selected.

User response

Continue with normal operations.

FMV5877I: SET EVENT Hold completed

Explanation

The Data Retention HOLD transaction has completed.

System action

IBM Storage Protect held the objects that were selected.

User response

Continue with normal operations.

FMV5878I: SET EVENT Release completed

Explanation

The Data Retention RELEASE transaction has completed.

System action

IBM Storage Protect released the objects that were selected.

User response

Continue with normal operations.

FMV6586E: Recovery Agent operation failed.

Explanation

The Recovery Agent operation on a VMVSS snapshot failed.

System action

Processing stops.

User response

Check the Recovery Agent logs and error messages, resolve the problem, and try the operation again.

FMV6587W: VMVSS backup failed to back up Exchange mailbox history from virtual machine 'VM-Name'.

Explanation

An error occurred when a data mover tried to back up the Exchange mailbox history from a virtual machine. The current version of Data Protection for Exchange might not support uploading mailbox history at the same time as a virtual machine backup. The error code indicates the reason for the failure.

System action

Processing continues without backing up the mailbox history information.

User response

Try to back up mailbox history on guest vm by using Data Protection for Exchange command 'tdpexcc.exe backup * full /UpdateMailboxInfoOnly'. Upgrade Data Protection for Exchange if the current product level does not support mailbox history backup command. Use traceflags VMTSMVSS in data mover dsm.opt file to further diagnose the problem.

FMV6718E: The path contains too many nested subdirectories. The maximum number of nested directories is 1400.

Explanation

To avoid exhausting system resources, the client stops processing directory structures that exceed the maximum nesting depth. Directories that exceed the maximum nesting depth are not typical.

System action

Processing of the current operation is stopped.

User response

Determine whether the directory is valid. Directory structures of this depth are not typical, and could indicate a problem with the file system structure. An example of such a directory is if the directory is cyclical. If the directory is not valid, remove or repair the directory, then try the operation again. If the directory is valid, reduce the depth of the directory structure. Then try the operation again. Alternatively you can use an EXCLUDE.DIR statement to exclude the directory from backup or archive processing. Then try the operation again.

FMV7421W: The archive attribute for file *filename* cannot be reset. The return code from Windows API function SetFileAttributes() is *rc*.

Explanation

The client was unable to reset the archive attribute for the file indicated in the message. This error is due to an error received from the Windows API function SetFileAttributes().

System action

processing stops.

User response

Try the operation again. If the problem persists, it may be indicative of a problem with the file. Contact your system administrator or IBM Storage Protect administrator for further assistance.

FMV7422E: Unsupported action '*action*' in schedule '*schedule name*'.

Explanation

The scheduled action is unknown to the current version of the IBM Storage Protect client and cannot be performed by means of a schedule. The most likely cause is that the scheduled action requires a later version of the backup-archive client. The unsupported action is displayed as a number because the text description is not available. Scheduled actions and their corresponding action number can be found by searching for this message on the IBM Storage Protect support site.

System action

The scheduled action is not performed or queried.

User response

Search the IBM Storage Protect support site for this message to find information about scheduled actions, their corresponding action numbers and the client version at which the action is supported. Then upgrade your IBM Storage Protect client to a version that supports running this action as a scheduled event. Until the client is upgraded, you can run the action manually if your version of the client supports it.

FMV7423E: Use Set Access backup <vmname> -TYPE=VM for VMware backup file spaces. Use of the long form *fs - name* is not allowed.

Explanation

You have chosen to set access using the long-form VM file space name. This name format is not platform independent and requires special processing. Use the -TYPE=VM option and supply only the VM name.

System action

The set access command is not processed.

User response

Enter the set access command using the -TYPE=VM option and the short form of the VM file space name which is simply the VM name.

FMV7500W: Object '*object-name*' could not be bound to management class '*mgmt-specified*' specified in an '*option*' statement.

Explanation

The management class specified in an include statement was not valid. If the include statement is an "INCLUDE.SIZE" statement the warning message will be issued if an appropriate copygroup is defined for the management class. For example, this warning will be issued on a backup operation if no backup copygroup is defined for the management class or this message will be issued on an archive operation if no archive copygroup is defined for the management class.

System action

The management class on the include statement is ignored and processing continues.

User response

Contact the IBM Storage Protect administrator to correct the appropriate copygroup definition on the IBM Storage Protect Server.

FMV7501E: An invalid host address was received. Host address is too long.

Explanation

An invalid host parameter was found in the HTTP Request. The parameter is too long. The maximum length for a host address is 64 characters.

System action

IBM Storage Protect returns HTTP error code 400 Bad Request.

User response

Use a host machine with a valid/shorter host address.

FMV7502E: An invalid filename was received. Filename is too long.

Explanation

A filename passed to the dsmsvc service is too long and thus invalid.

System action

IBM Storage Protect returns HTTP error code 400 Bad Request.

User response

Retry connecting to dsmcad but use a valid/shorter filename.

FMV7507W: The node name entry is invalid. Please try again.**Explanation**

An invalid entry is entered on the Node Name field.

System action

IBM Storage Protect prompts you to enter a valid node name.

User response

Enter a valid node name or see your system administrator for the correct syntax.

FMV7510E: A NAS node cannot be used for this operation.**Explanation**

NAS nodes cannot be used for operations like Access Another Node.

System action

IBM Storage Protect prompts you to enter a valid node name.

User response

Enter a valid, non-NAS, IBM Storage Protect node name.

FMV7524E: SSL is required.**Explanation**

SSL is required to protect the client password during authentication.

System action

Processing terminates.

User response

Enable SSL communication or set SSLREQUIRED to NO.

FMV7525E: SSL is required by server.**Explanation**

SSL is required to protect the client password during authentication.

System action

Processing terminates.

User response

Enable SSL communication or contact your IBM Storage Protect server administrator.

FMV7526E: The SNAPSHOTROOT option is not valid with either of the following options: -GROUPNAME and -VIRTUALFSNAME.

Explanation

The SNAPSHOTROOT option is incompatible with the -GROUPNAME and -VIRTUALFSNAME options and cannot be used with either one of those options.

System action

Processing stops.

User response

For information about backup-archive client processing options, see IBM Storage Protect Backup-archive Clients Installation and User's Guide.

FMV7527E: The (-SNAPSHOTROOT) option is not valid in conjunction with *num-specs* file specifications.

Explanation

The (-SNAPSHOTROOT) option must be used in conjunction with only one file specification. It cannot be used with zero file specification (e.g., an INCREMENTAL command with no file specifications) or with more than one file specification.

System action

Processing stopped.

User response

See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7528E: The (-SNAPSHOTROOT) option for GPFS fileset is not valid without filelist

Explanation

The (-SNAPSHOTROOT) option for GPFS fileset is only supported using a filelist.

System action

Processing stopped.

User response

See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7529E: The specified SNAPSHOTROOT '*obj - name*' is not valid for the BACKUP IMAGE command.

Explanation

When you use the (-SNAPSHOTROOT) option with the BACKUP IMAGE command, SNAPSHOTROOT must specify the device name of the logical volume containing the snapshot for the backup. An example is /dev/fslv01 (on Unix) or \\?\GLOBALROOT\Device\HarddiskVolumeShadowCopy1 (on Windows).

With BACKUP IMAGE, SNAPSHOTROOT cannot be used unless SNAPSHOTPROVIDERIMAGE has one of the following values in effect:

- VSS
- JFS2

System action

Processing is stopped.

User response

For the correct use of the (-SNAPSHOTROOT) option, see the appropriate *Backup-Archive Client Installation and User's Guide* book for your operating system.

FMV7531E: The (-SNAPSHOTROOT) option is invalid when processing the NetWare NDS or Server Specific Information.

Explanation

The (-SNAPSHOTROOT) option is only intended with NetWare file server volumes and is not compatible with processing the NDS or Server Specific Information on NetWare.

System action

Processing stopped.

User response

See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7533E: The specified file system '*obj - name*' does not exist or is not local.

Explanation

When you use the (-SNAPSHOTROOT) option, the target and source file systems must be valid, local file systems. The file systems cannot be non-local, such as a remote NetWare drive, a remote Windows drive, or an NFS mount. The (-SNAPSHOTROOT) option is valid for local operations only.

System action

Processing is stopped.

User response

For the correct use of the (-SNAPSHOTROOT) option, see the appropriate *Backup-Archive Client Installation and User's Guide* book for your operating system.

FMV7534W: Initialization functions cannot open /dev/tty special file. errno = *errno-value*, error message

Explanation

Special file /dev/tty, required by command line internal editor could not be opened during initialization. The system set the error code *errno-value*.

System action

Processing continues as if EDITOR option was set to NO.

User response

Check your terminal settings.

FMV7535W: Command line internal editor can not be initialized.

Explanation

EDITOR option is set to YES in the options file, but command line internal editor can not be started.

System action

Processing continues as if EDITOR option was set to NO

User response

Check previous messages to determine the reason why the internal editor could not be started.

FMV7543E: Error: Scout is not available for object query. Either scout is not running or the initial file system scan has not finished.

Explanation

The scout daemon must be running for the reconcile process to do a query for all migrated files. If the scout daemon is not running or the initial file system scan has not finished you cannot run the reconcile tool in orphan check mode.

System action

Processing stops.

User response

Ensure that the scout daemon is running. If the scout daemon is not running, restart it and retry the command. If the scout daemon is running, wait until it finishes the initial file system scan. You can check the current status of the scout daemon by using the dsmscoutd scanplan command.

FMV7544E: ICC routine *icc - routine* failed with the following error: "*error-string*".

Explanation

There was an error within ICC cryptography library while processing the data. For example, this problem can occur when encrypted client data is corrupted, so the restore operation cannot correctly decrypt it. This message reports an error code and problem description which can be used by IBM Storage Protect technical support personnel to determine the cause of the failure.

System action

The processing stops.

User response

Ensure IBM Storage Protect software is installed correctly. If needed, reinstall the software. Make sure you use the correct encryption key password for the data. Make sure there are no IBM Storage Protect server or network problems that may affect the transfer of data. If the problem still exists, contact IBM Storage Protect technical support.

FMV7545E: Unexpected error while encrypting the data.

Explanation

There was an error while encrypting the data. See the error log for more information.

System action

The object is not backed up.

User response

Ensure IBM Storage Protect software is installed correctly. If needed, reinstall the software. Retry the operation. If the problem still exists, contact IBM Storage Protect technical support.

FMV7546E: Unexpected error while decrypting the data.

Explanation

There was an error while decrypting the data. See the error log for more information. This can happen if the encrypted data has been corrupted while in storage, during the network transfer, or both.

System action

The object is not restored.

User response

Ensure IBM Storage Protect software is installed correctly. If needed, reinstall the software. Make sure there are no IBM Storage Protect server or network problems that may affect the transfer of data. Retry the operation. If the problem still exists, contact IBM Storage Protect technical support.

FMV7547E: Unexpected error while digesting the data.

Explanation

There was an error while digesting the data. See the error log for more information.

System action

The object is not backed up.

User response

Ensure IBM Storage Protect software is installed correctly. If needed, reinstall the software. Retry the operation. If the problem still exists, contact IBM Storage Protect technical support.

FMV7550E: The absolute option requires using the CreateNewBase=yes option when performing a snapshot differential backup.

Explanation

The absolute option specified does not have any effect when performing a snapshot differential backup.

System action

Processing stopped.

User response

Try to use the CreateNewBase=yes option when performing a snapshot differential backup.

FMV7552I: *timestamp* *** Processed *count* files *******

Explanation

IBM Storage Protect has processed the specified number of files.

System action

Processing continues.

User response

None.

FMV7553W: Disabled demand migration (ENOSPC) on file system *file-system-name* because of high threshold, low threshold, and pmpercentage settings.

Explanation

The settings of high threshold = 100, low threshold = 100, and pmpercentage = 0 are reserved to disable demand migration and automigration. Used for GPFS driven migration.

System action

Processing continues.

User response

None.

FMV7554E: provider option is required if HSMBACKENDMODE is set to TSMFREE.**Explanation**

You need to specify provider option for every operation with dsmmigrate.

System action

The operation stopped.

User response

Specify the provider option value for the operation.

FMV7557E: invalid provider.**Explanation**

You need to specify a valid provider for every operation with dsmmigrate.

System action

The operation stopped.

User response

Specify a valid provider option value for the operation.

FMV7558E: target option is required if HSMBACKENDMODE is set to TSMFREE.**Explanation**

You need to specify target option for every operation with dsmmigrate.

System action

The operation stopped.

User response

Specify the target option value for the operation.

FMV7559E: The absolute option requires specifying the NoJournal option when performing a Journal Based Backup for backing up fs .

Explanation

The absolute option specified does not have any effect when performing journal based backups.

System action

Incremental backup is performed.

User response

Verify that the file spaces specified are not associated with journal based backup. If the -nojournal option is also specified, then this message will not appear.

FMV7566E: Unable to load external library: *reason*

Explanation

There is no valid library in hsm/bin directory.

System action

The operation stopped.

User response

Copy a valid external library to hsm/bin directory.

FMV7567E: *program-name*:External recall failed! Reason:

Explanation

There is no valid library in hsm/bin directory.

System action

The operation stopped.

User response

Copy a valid external library to hsm/bin directory.

FMV7641I: The user does not have administrative credentials to perform a full system state backup.

Explanation

The user account used to perform system state backup including ASR Writer data must be a member of the Administrators group.

System action

System state backup skips ASR Writer data.

User response

Log on with a user who is a member of the Administrators group or add this user to the Administrators group. Then try the system state backup again.

FMV7642E: An error occurred creating the registry directory structure.

Explanation

An error occurred while creating the directory structure to save or replace a registry key.

System action

Registry function fails.

User response

Ensure that the user account that is running the backup of the registry has the proper authority. If the user account has the proper authority, you might need to restart the machine. There might be operations that are pending which have a file or files in the registry directory structure locked.

FMV7643E: The deployment manager detected that the client is being upgraded to an incorrect architecture - from 32 bit to 64 bit or from 64 bit to 32 bit.

Explanation

When upgrading clients to releases lower than 6.3, deployment manager allows upgrades to like architecture only.

System action

Processing stops.

User response

Uninstall the client and install the Backup-Archive client at the correct bitness level.

FMV7650E: The user does not have sufficient privileges to execute IBM Storage Protect.

Explanation

The user account used to execute IBM Storage Protect must have the "Back up files and directories" and the "Restore files and directories" security settings assigned.

System action

Processing stops.

User response

Assign the "Back up files and directories" and the "Restore files and directories" security settings to the account using the Windows Local Security Settings tool or use a different user-id to execute IBM Storage Protect.

FMV7660E: An error occurred replacing one or more registry keys.

Explanation

The registry key or keys being replaced are exclusively held by another process. The registry keys were previously restored but the system was not restarted.

System action

processing stops.

User response

Restart the system and try the restore operation again.

FMV7709E: Restore operation failed. Not all files were restored.

Explanation

Restore operation failed due to an error.

System action

Operation completed.

User response

Check the error log for more details.

FMV7899E: The client referenced a deduplicated extent that does not exist on the IBM Storage Protect server

Explanation

The deduplicated extent has been deleted from the server during the backup or archive operation. If you are using deduplication cache, it might be out of synch with the IBM Storage Protect server.

System action

The processing stops.

User response

Retry the operation. If the problem persists, turn off deduplication and retry the operation.

FMV7900I: Deduplication cache has been reset because it is not synchronized with the IBM Storage Protect server

Explanation

The deduplication cache contains deduplicated extent entries that do not exist on the IBM Storage Protect server. This occurs when the extents are deleted from the IBM Storage Protect server after they were recorded in the deduplication cache.

System action

The deduplication cache is reset, and all cache entries are removed. The processing continues.

User response

None

FMV7901W: Client deduplication and *option-name* are mutually exclusive.**Explanation**

The following features cannot be used with deduplication: lan-free, subfile, NAS, useTsmBuffers.

System action

Client deduplication is disabled.

User response

Review the configuration. Do not configure deduplication with the lan-free, subfile, NAS, or useTsmBuffers features.

FMV7902I: Client deduplication cache is full. Cache is reset.**Explanation**

The number of entries cached in the client deduplication cache has exceeded the configured size for the cache.

System action

The deduplication feature is designed so that this happens periodically. The cache is reset to no entries.

User response

You can reconfigure the client deduplication cache size to a larger value to reduce the frequency of resets.

FMV7903W: Client deduplication cache is locked by another process.**Explanation**

Another process is using the client deduplication cache. Only one process may use it at a time.

System action

This process does not use the client deduplication cache. The server deduplication is not changed.

User response

You can serialize processes using the client deduplication cache. Or you can reconfigure the current process to use a different cache path to avoid contention.

FMV7904E: Client deduplication and lan-free or subfile backup are mutually exclusive.

Explanation

Client deduplication and lan-free or subfile are mutually exclusive.

System action

Client deduplication is disabled.

User response

Review the configuration. Do not configure deduplication with the lan-free or subfile feature.

FMV7906W: The current storage pool either ran out of space or the current object exceeded the maxsize configuration parameter for the storage pool, data will be stored into the next pool - deduplication is disabled.

Explanation

The current storage pool on the IBM Storage Protect server is either out of space or the current object exceeded the maxsize configuration parameter for the storage pool . Data will be stored in the next storage pool. Deduplication is disabled and the transaction is being resent.

System action

Deduplication is disabled to allow the backup to complete.

User response

Contact your system administrator to add volumes to the current storage pool.

FMV7907W: Connection to repository *repos -name* failed. Retrying with *repos2 -name*.

Explanation

Unable to connect to the FastBack DR Hub repository. Retry using FastBack server repository.

System action

Retry operation.

User response

Specify a valid repository.

FMV7908E: Unable to mount FastBack snapshot policy '*Policy*' client '*Client*' volume '*Volume*'. Reason: *reason*

Explanation

IBM Storage Protect Mount failed.

System action

IBM Storage Protect cannot continue processing.

User response

Check the Recovery Agent logs for information about why the mount operation failed to complete.

FMV7912E: FastBackMount or FastBackShell is not installed.

Explanation

Failure initializing FastBack environment. FastBackShell or FastBackMount are not installed or are not located in the FastBack install directory.

System action

The FastBack operation cannot continue.

User response

Reinstall the software. The FastBackShell and FastBackMount must be installed on the dedicated proxy computer.

FMV7913E: The given branch was not found in the DR Hub repository.

Explanation

The parameter to the required fbbranch option is incorrect.

System action

The operation cannot continue.

User response

Correct the parameter given for the fbbranch option.

FMV7914E: Incremental backup of FastBack client '*vmname*' failed with RC *rc*

Explanation

The archive or incremental backup of FastBack client volumes failed.

System action

The archive or backup of FastBack client finished with failures. The next FastBack client will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV7915E: Failure mounting FastBack client '*vmname*' with FastBack command. RC=*rc*

Explanation

The FastBackMount command failed to mount a FastBack volume.

System action

The archive or backup of the FastBack volume can not continue. The next Volume in in line will be processed. The output of the FastBackMount command will show the reason for the failure.

User response

Check the local client error log for the reason for the failure. Issue a FastBack command for the FastBack volume to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV7916E: Failure initializing FastBack environment.RC=*rc*

Explanation

Failure initializing FastBack environment. Can not find FastBackShell.exe command. The FastBackShell or FastBackMount is not installed or FastBackShell.exe command is not located in the FastBack install directory.

System action

The backup can not continue. The output of the FastBack command will show the reason for the failure.

User response

Issue a FastBack command to determine the reason for the failure. Refer to the documentation for that message for more information. The FastBackShell and FastBackMount must be installed on the backup proxy computer.

FMV7917E: No FastBack snapshots found for input policy, client and volume combination.

Explanation

Failure processing fbClientName option.

System action

The backup cannot continue.

User response

Check for errors in the FBClientName option value. Refer to the documentation for the FBClientName option for more information.

FMV7918E: Failure locating mounted volumes for FastBack client '*vmname*' volumes. Failed with RC=*rc*

Explanation

FastBack client volumes can not be found. Volume mount points are not available on the backup proxy computer.

System action

The backup of the FastBack client can not continue. The next FastBack client in the list will be processed. The output of the FastBackMount command will show the reason for the failure.

User response

Issue a fastbackshell mount add command for the FastBack client volume to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV7919E: Password for Host *host* could not be read from encrypted password file.

Explanation

Use dsmtc SET PASSWORD -type=FastBack 'FastBack hostname' 'userid' 'password' to save encrypted password

System action

The backup cannot continue.

User response

Use dsmtc SET PASSWORD -type=FastBack 'FastBack hostname' 'userid' 'password' to save encrypted password

FMV7936E: *objType objName* not found in dump.

Explanation

IBM Storage Protect server could not find the object that is specified in the FastBack Dump command..

System action

IBM Storage Protect skips the current object.

User response

Ensure that there is at least one snapshot for this FastBack volume, client, and policy. Ensure that a correct object is specified as input.

FMV7937E: No *objType* found in dump for input *objType1 objType2*.

Explanation

IBM Storage Protect server found no clients for the specified policy. IBM Storage Protect server found no volumes for the specified FastBack client.

System action

IBM Storage Protect skips the current object.

User response

Ensure that there is at least one snapshot for this FastBack volume, client, and policy. Ensure that a correct object is specified as input.

FMV7938E: Unable to dismount FastBack volume '*volName*'. RC = *rc***Explanation**

IBM Storage Protect Dismount failed.

System action**User response****FMV7939E: Invalid FastBack volume specification.****Explanation**

You must enter at least one FastBack client with the "-fbclientname=" option before entering a FastBack volume name.

System action**User response**

When entering a FastBack volume name, enter at least one FastBack client name using the "-fbclientname=" option.

FMV7940W: SUBDIR NO is not valid in this context. SUBDIR will be forced to YES for FastBack commands.**Explanation**

When using FastBack, SUBDIR is forced to YES to ensure that the whole volume is processed.

System action

SUBDIR is forced to YES.

User response

To avoid this message, do not use SUBDIR NO with the command.

FMV7941E: FastBack invalid repository name or domain not set in password file entry for *hostname*.

Explanation

IBM Storage Protect The FastBack repository name is invalid or the domain has not been set in the password file when specifying the REP form of the repository.

System action

IBM Storage Protect

User response

Issue the command `dsmc set password server userid:domain password -type=fastback`.

FMV7942E: Maximum number of FastBack *objName* objects exceeded.

Explanation

IBM Storage Protect The maximum number of FastBack objects shown in the message has been exceeded.

System action

IBM Storage Protect

User response

Re-run the command with no more than the maximum number of objects specified.

FMV7943E: The combination of *objName* and *objName* is invalid.

Explanation

IBM Storage Protect The combination of options specified is invalid.

System action

IBM Storage Protect

User response

Re-run the command with a compatible set of options.

FMV7944W: The number of FastBack clients specified *client* is greater than the number of FastBack clients found *client*.

Explanation

IBM Storage Protect One or more of the FastBack clients specified was not found. Look for message FMV7936E specifying the client name.

System action

IBM Storage Protect

User response

Correct the names of the clients specified.

FMV7945W: The number of FastBack policies specified *policy* is greater than the number of FastBack policies found *policy*.

Explanation

IBM Storage Protect One or more of the FastBack policies specified was not found. Look for message FMV7936E specifying the policy name.

System action

IBM Storage Protect

User response

Correct the names of the policies specified.

FMV7946E: FastBack shell command timeout.SSH Keys may not be configured for no password.

Explanation

IBM Storage Protect The FastBack shell command timeout. SSH may not be configured properly.

System action

IBM Storage Protect

User response

Correct SSH configuration.

FMV7947E: The root user .ssh directory was not found. SSH is not configured properly.

Explanation

IBM Storage Protect SSH is not configured properly for the root user.

System action

IBM Storage Protect

User response

Correct SSH configuration.

FMV7948E: The public key for the FastBack server was not found. SSH public keys are configured properly.

Explanation

IBM Storage Protect The SSH public keys are not configured properly for the root user.

System action

IBM Storage Protect

User response

Correct SSH configuration.

FMV7949E: The connection to FastBack server failed.

Explanation

IBM Storage Protect The connection to FastBack server failed.

System action

IBM Storage Protect

User response

Insure that the FastBack server on the target machine is runing properly.

FMV7950E: The FastBack server is not installed on the target machine.

Explanation

IBM Storage Protect The FastBack server is not installed on the target machine.

System action

IBM Storage Protect

User response

Install the FastBack server on the target machine or specify a different target machiner.

FMV7951E: The FastBackShell on the target machine returned with the message *errmsg* .

Explanation

IBM Storage Protect An error occurred with the command issued to the FastBackShell on the target machine.

System action

IBM Storage Protect

User response

Correct the options specified on the commandr.

FMV7952E: The package *package* required for FastBack support is not installed.

Explanation

IBM Storage Protect The required package is not installed.

System action

IBM Storage Protect

User response

Install and configure the required package.

FMV7953E: The FastBack shell scripts returned an unexpected error *error*.

Explanation

IBM Storage Protect The FastBack shell scripts returned an unexpected error.

System action

IBM Storage Protect

User response

Correct the error.

FMV7954E: The SSH connection failed. The SSH daemon may not be started or configured on the target machine

Explanation

IBM Storage Protect Ensure that the SSH daemon is configured correctly.

System action

IBM Storage Protect

User response

Correct the error.

FMV7955E: The cygdrive-prefix is set incorrectly.

Explanation

IBM Storage Protect Ensure that cygdrive-prefix is set to / in the ssh cygwin environment. The command mount -s --change-cygdrive-prefix / can be use to set the drive prefix correctly.

System action

IBM Storage Protect

User response

Correct the error.

FMV7956E: Unable to execute cygwin shell commands. The cygwin environment may be incorrectly**Explanation**

IBM Storage Protect Use ssh to connect to the cygwin shell and ensure that the cygwin environment and cygdrive are configured correctly.

System action

IBM Storage Protect

User response

Correct the error.

FMV7957E: Unable discover the FastBackShell location in the registry**Explanation**

IBM Storage Protect Check that the FastBackShell was installed on the Windows FastBack server machine.

System action

IBM Storage Protect

User response

Correct the error.

FMV8000I: Server command: '*command*'.**Explanation**

The specified command is being sent to the server. This message is displayed when the command is generated from a macro or when the client is running in batch mode.

System action

The command is sent to the server for processing.

User response

None.

FMV8001I: Return code *return code value*.

Explanation

The error code shown has been returned from the preceding server command. This message is preceded by a server message explaining the reason for the error code.

System action

None.

User response

None.

FMV8002I: Highest return code was *return code value*.

Explanation

At exit from the client, the highest return code encountered during the session is displayed.

System action

This value is used as the program exit code.

User response

None.

FMV8003I: Process number *process ID* started.

Explanation

As a result of the preceding server command, the process whose ID is shown starts to execute the command. The process can be monitored using the QUERY PROCESS command.

System action

None.

User response

None.

FMV8004W: Your password will expire within *daysRemaining* day(s).

Explanation

The password for this id is about to expire.

System action

Logging on to the IBM Storage Protect Server will not be prevented, however, the id will be locked out once it expires.

User response

Change the password or contact your IBM Storage Protect administrator to get the password updated.

FMV8005E: Java Applet failed to load. Please ensure that the Java *Java version* Plugin has been installed for this browser.**Explanation**

Java Plugin is missing from browser. Since plugin is not present, applet is not able to load.

System action

Applet unable to load and message displayed.

User response

Install appropriate plugin for browser in order to use web client.

FMV8006E: Unable to generate an acceptable password.**Explanation**

An error occurred during a password update attempt using a generated password.

System action

The password is not updated on the server.

User response

Contact your IBM Storage Protect administrator.

FMV8007E: The user is not authorized to perform LDAP authentication.**Explanation**

Your node uses LDAP authentication. Your PASSWORDACCESS option is set to GENERATE but the current user cannot access the stored password to perform authentication.

System action

The operation is stopped.

User response

Run IBM Storage Protect client as root user or set PASSWORDACCESS to PROMPT.

FMV8008W: Redirection inside macro whose output is redirected is ignored.**Explanation**

An output redirection symbol has been encountered inside a macro. However, the output of the macro itself (or a higher level macro) is already being redirected.

System action

The redirection request is ignored.

User response

None.

FMV8010E: An attempt to backup or archive a file has exceed the maximum number of retries.**Explanation**

After five unsuccessful attempts to backup or archive a file, the client will no longer attempt to send the file to the server.

System action

File skipped.

User response

Check the console or schedule log for additional information. Retry the operation at a later time.

FMV8011W: Rejected server-initiated session with LDAP authentication from *peer name*.**Explanation**

For security, the client will not accept server-initiated sessions from servers that use LDAP authentication.

System action

The client-server session is not opened, and the schedule is not executed. The scheduler continues to wait for contact by a server that uses LOCAL authentication.

User response

If the client system is supposed to accept scheduled events from the prompting IBM Storage Protect server, either ask the IBM Storage Protect server administrator to configure your node to use LOCAL authentication, or do not use server-initiated sessions. If the client system is not supposed to accept scheduled events from the prompting server, ask the IBM Storage Protect server administrator to remove the client node name from the schedule on the prompting server.

FMV8012E: Option processing storage exhausted.**Explanation**

During processing of the client options file, the client runs out of memory.

System action

The client session is ended.

User response

Make more memory available and restart the administrative client.

FMV8013I: Invalid encryption key password

Explanation

The key you entered does not match the key that was used to encrypt the file during backup. The file can not be restored unless the matching key is entered.

System action

User is prompted for encryption key password.

User response

Enter the correct encryption key password.

FMV8014E: Insufficient information to connect to host.

Explanation

The client options file or command line, or both, do not contain enough communications information to successfully connect to the server system. For example, with TCP/IP both the TCPPort number and TCPServer address are required to make a connection.

System action

The administrative client session is ended.

User response

Determine what information is needed to establish a connection for your communications method and then specify all that information in your client options file or on the administrative client command line.

FMV8015E: File '*file spec*', error code *error code* from options processing.

Explanation

An unknown error code is returned from the routine that processes the client options file.

System action

The administrative client session is ended.

User response

Attempt to determine the error and correct it. If the problem persists, contact your service representative.

FMV8016E: Command line parameter *parameter number*: '*parameter*' is too long.

Explanation

The specified command line parameter exceeds the maximum length for a command line parameter.

System action

The administrative client session is ended.

User response

Reissue the command with a shorter parameter.

FMV8017E: Command line parameter *parameter number*: '*parameter*' is not valid.

Explanation

The command line parameter shown is not a valid administrative client parameter.

System action

The administrative client session is ended.

User response

Reissue the command with valid parameters.

FMV8018E: Administrative command not valid in Console mode.

Explanation

The Console Mode option has been specified but the client encounters what appears to be a server command on the command line.

System action

The administrative client session is ended.

User response

Reissue the command with no server command.

FMV8019E: Id and password must be supplied in Batch mode.

Explanation

A server command has been encountered on the command line, but no administrator ID or password, or both, are specified.

System action

The administrative client session is ended.

User response

Reissue the command and include the -ID and -PASSWORD parameters on the command line.

FMV8020E: Unable to open file '*file spec*' for output.

Explanation

The file name specified in the -OUTFILE option cannot be opened.

System action

The -OUTFILE parameter is ignored.

User response

Allow processing to continue or exit the session and correct the file name.

FMV8021E: Exiting Batch mode session due to output file error.

Explanation

The file specified in the -OUTFILE parameter cannot be opened for a session running in Batch mode.

System action

The administrative client session is ended.

User response

Reissue the command with a valid output file name or make space available for the output file.

FMV8022E: Output will be written only to stdout.

Explanation

The file specified in the -OUTFILE parameter cannot be opened, so output is written only to the standard output stream.

System action

Output that would have been written to the output file is written to the standard output stream.

User response

Allow processing to continue or exit the session and correct the file name.

FMV8023E: Unable to establish session with server.

Explanation

The administrative client cannot start a session with the requested server. This message is preceded by another message that explains the reason for the error.

System action

The administrative client session is ended.

User response

Attempt to correct the error. If the problem persists, contact your service representative.

FMV8024E: End of macro after continued command line.

Explanation

A macro containing a continuation line has been executed, but no more lines are found in the macro file.

System action

The continued command is ignored, and an error return code is set for the macro.

User response

Correct the macro in error.

FMV8025E: I/O Error reading command input.

Explanation

The client is unable to read an input command from the terminal.

System action

The administrative client session is ended.

User response

Correct the problem on the terminal and retry the administrative session.

FMV8026E: Input line longer than maximum of *max length* characters. Use continuation.

Explanation

An input command line is longer than the maximum input line length allowed.

System action

The input command is ignored.

User response

Reissue the command with several lines using continuation characters.

FMV8027E: Unterminated comment in command.

Explanation

An input command contains an opening comment mark but no closing comment mark.

System action

The input command is ignored.

User response

Reissue the command with matching comment marks.

FMV8028E: Command longer than maximum of *max length* characters.

Explanation

An input command longer than the maximum command length allowed has been entered.

System action

The input command is ignored.

User response

Reissue the command with fewer characters. This could mean replacing series of repeating blanks with a single blank.

FMV8029E: Macro processing terminated.

Explanation

An error occurs during processing of a macro because the -ITEMCOMMIT option is not specified on the command line. Processing of this macro and any higher level macro is terminated.

System action

All current macro processing ends.

User response

Specify the -ITEMCOMMIT option on the command line to ensure that the server commits each command in the macro individually.

FMV8030E: Substituted command longer than maximum of *max length* characters.

Explanation

After variable substitution, an input command is longer than the maximum command length allowed.

System action

The input command is ignored.

User response

Reissue the command with fewer characters. This may require replacing a series of repeating blanks with a single blank.

FMV8031E: Missing name of macro to execute.

Explanation

A macro command is encountered that does not contain a macro name.

System action

The command is ignored.

User response

Reissue the macro command with a macro file name.

FMV8032E: Could not allocate storage to process macro '*file spec*'.**Explanation**

The client cannot allocate enough memory to process the macro shown.

System action

The macro is ignored and an error is returned.

User response

Make more memory available to the client and retry the macro command.

FMV8033E: LDAP authentication is not supported by Web client.**Explanation**

The id you entered uses LDAP authentication. LDAP authentication is not supported by Web client.

System action

Login is unsuccessful.

User response

Use an id with LOCAL authentication.

FMV8034E: Your administrator ID is not recognized by this server.**Explanation**

The administrator ID entered is not known to the requested server.

System action

The administrative session terminates.

User response

Ensure that you are using a registered administrative ID for the server to which you are connecting.

FMV8036E: Administrative command not valid in Mount mode.**Explanation**

The Mount Mode option has been specified but the client encounters what appears to be a server command on the command line.

System action

The administrative client session is ended.

User response

Reissue the command with no server command.

FMV8037E: Missing name for redirection file.**Explanation**

A command is entered that contains an output redirection symbol but no output file name.

System action

The command is ignored and an error is returned.

User response

Reissue the command with an output file name.

FMV8038E: Unable to open file '*file spec*' for redirection.**Explanation**

A command has been entered that specifies an output redirection file, but the file cannot be opened.

System action

The command is ignored and an error is returned.

User response

Reissue the command with a valid output file name or make space available for the output file.

FMV8041E: The server connection has been lost and cannot be re-established.**Explanation**

During an administrative session, the client discovers that the connection with the server has been severed; an attempt to reestablish the connection fails.

System action

The client session is ended.

User response

Determine the cause of the failure; then try to restart the session at a later time. If the problem persists, contact your service representative.

FMV8045E: Communications error.**Explanation**

An unexpected communications error occurs during an administrative session.

System action

The client session is ended.

User response

Verify that communications are active between the client and server machines. Server outages, processor outages, and communication controller outages can cause this error.

FMV8046E: The client connection with the server has ended due to an unexpected error.

Explanation

The error log might contain other messages related to this error.

System action

The client session ends.

User response

Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8047E: The client connection with the server has ended due to a communications buffer overflow.

Explanation

The error log might contain other messages related to this error.

System action

The client session ends.

User response

Try the operation again. Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8048W: Warning! Performing image restore of the Linux file system '*src*' to an alternate destination '*dest*' is not recommended as this may result in duplicate UUIDs leading to failed mounts after a successful restore.

Explanation

Performing an image restore of a Linux file system to an alternate destination may result in duplicate UUID leading to failed mounts after a successful restore. On Linux, some file systems use UUID to identify themselves. If you took an image backup of such volume and restored it to a different location, you will have two volumes with the same UUID. If you use UUID to define your file systems in `/etc/fstab`, be aware that IBM Storage Protect may be unable to mount the restored file system correctly. To avoid such situation, restore the image to its original location.

System action

Processing continues.

User response

If it is not possible or not desirable to avoid performing an image restore to an alternate destination, change the UUID of either the original or restored volume. Refer to your Linux documentation for instructions on how to do this. You may also need to edit your `/etc/fstab` manually to allow the original, the restored or both volumes to mount.

FMV8049E: A connection with the server cannot be established due to a communications time-out.

Explanation

The error log might contain other messages related to this error.

System action

The client session ends.

User response

Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8050E: The IBM Storage Protect server is not accepting administrative sessions on the client port. You must use the port number designated for administrative sessions.

Explanation

The IBM Storage Protect server is configured to not allow administrative sessions on the client TCP/IP port. A different port number has been designated for use by administrative sessions.

System action

The administrative session is not established.

User response

Use the `TCPADMINPORT` client option to specify the TCP/IP port number that the IBM Storage Protect server uses for administrative sessions. See your IBM Storage Protect server administrator if you do not know the correct port number.

FMV8052E: Unable to decrypt file '*filespace namepath-namefile-name*'....Please try to restore this file individually

Explanation

File could not be decrypted and restored.

System action

File is not restored.

User response

Restore the file separately.

FMV8053E: The network cannot be accessed.**Explanation**

The error log might contain other messages related to this error.

System action

The client session ends.

User response

Check the communication link between the client and server to ensure it is operational. Examine the client error log for additional messages related to this error. Try the operation again.

FMV8054E: No memory available to service request.**Explanation**

Sufficient server memory is not available.

System action

The client session is ended.

User response

Retry the administrative session. If the problem persists, contact your service representative.

FMV8055E: The server has insufficient resources to perform the operation.**Explanation**

The server ran out of resources. A lack of storage or other problem condition does not allow any new activity. The server activity log might contain additional information about this problem.

System action

The client session ends.

User response

The IBM Storage Protect administrator should examine the IBM Storage Protect server activity log to determine the source of the resource constraints. Try the operation again when the server is under less load.

FMV8056E: Your administrator ID is locked.**Explanation**

The administrative ID entered has been locked by a system administrator and cannot be used.

System action

The client session is ended.

User response

Contact your system administrator to unlock your ID.

FMV8057E: The requested language files are not available.**Explanation**

The NLS repository for the language specified is not available.

System action

The client session is ended.

User response

Use a different language or obtain a copy of the NLS repository for the language desired.

FMV8058E: The specified path is a Linux Btrfs subvolume and is not valid for image backup.**Explanation**

Linux Btrfs subvolumes are not supported for image backup.

System action

The image backup operation is not performed.

User response

Try the operation again using a valid Linux Btrfs file system.

FMV8060E: Error validating file '*VHDX file name*'**Explanation**

IBM Storage Protect cannot locate the file or the file format is not valid.

System action

The backup operation does not start.

User response

Try the operation again. If the problem continues, check the error log file for information about how to resolve this issue.

FMV8061E: Session Rejected: The server does not allow a signon as a Unicode enabled administrative client

Explanation

The administrative client is unable to establish a connection to the server because of a unicode enabling mismatch between server and client.

System action

The client session is ended.

User response

Register a new administrator from a different administrative client or the server console, and signon with the new administrator ID.

FMV8062E: Client-to-Client communication is not allowed to take place when IBM Storage Protect Server authentication is turned off.

Explanation

Client-to-Client communication requires IBM Storage Protect Authentication to be enabled.

System action

Processing stops.

User response

Turn IBM Storage Protect Server authentication on using the Set AUTHentication ON command.

FMV8063E: The remote IBM Storage Protect Client Acceptor associated with Node '*name*' could not authenticate with the IBM Storage Protect Server.

Explanation

Some IBM Storage Protect Client operations require the Backup/Archive Client to contact Clients on remote machines. The remote machine in question cannot authenticate with the IBM Storage Protect Server.

System action

Processing stops.

User response

On the remote machine, create a new IBM Storage Protect password for the Client Acceptor or verify that the current password is still valid before retrying the operation.

FMV8064E: Communication timeout. Reissue the command.

Explanation

The connection to the server is ended because of a communication timeout from the server.

System action

The server does not process the command.

User response

Reissue the command. If necessary, increase the values of IDLETIMEOUT and COMMTIMEOUT options in the server options file.

FMV8103W: A command was not successful. command : *command* IBM Storage Protect function name : *function-name* error output : *error-output* return code : *return code* IBM Storage Protect file : *file-name* (*line-number*)

Explanation

IBM Storage Protect client called an external program that failed.

System action

Depending on the circumstances, the failure may or may not prevent further processing.

User response

See additional information in the error log. Use the information provided in this message for troubleshooting or when talking with IBM Storage Protect support.

FMV8104W: Cannot determine EFS status of the file system '*file-system name*', errno='*error number*', processing data normally.

Explanation

IBM Storage Protect cannot determine EFS status on the specified filesystem. No EFS specific processing will take place for files on this filesystem. If EFS is indeed enabled on the filesystem, all accessible files will be backed up in cleartext.

System action

The filesystem will be processed as a regular filesystem.

User response

Contact your system administrator to determine the cause of the error reported in the message.

FMV8105W: Unable to remove snapshot for volume '*filespace-name*'.

Explanation

IBM Storage Protect client was unable to remove the snapshot used for image backup.

System action

Processing continues.

User response

See additional information in the error log. Use `lvdisplay` command to view the active snapshots and `lvremove` command to remove the snapshot manually.

FMV8106E: Support for multiple IBM Storage Protect servers is enabled on this node. The server name must be specified for this command.

Explanation

When a node is enabled to support multiple IBM Storage Protect servers, the command must specify a valid IBM Storage Protect server name.

System action

Processing stopped.

User response

Specify a valid server name for this command.

FMV8201E: Windows Hyper-V incremental backups require Windows 2012 or later. On Windows Server 2016 or later, the virtual machine version must be greater than 5.

Explanation

IBM Storage Protect can only perform incremental backups of Windows Hyper-V on Windows operating systems of Windows Server 2012 and later. If running on Windows Server 2016 or later than the virtual machine version must be greater than 5.

System action

The incremental backup operation was stopped.

User response

To access incremental backups for Windows Hyper-V, upgrade the operating system to Windows Server 2012 or later. On Windows Server 2016 and later, the virtual machine version must be greater than 5 to support Microsoft Hyper-V Resilient Change Tracking (RCT).

FMV8503I: No matching option found for pattern: '*pattern*'.

Explanation

You specified a pattern which does not match the name of any supported option.

System action

This message is the only response to your query.

User response

Specify a different pattern or omit the pattern to display all options.

FMV8563E: Recall mode has an invalid value: *invalidValue*.

Explanation

The recall mode you try to enable on the system is not existing.

System action

None.

User response

Check the value of the recall option.

FMV8565W: *ProgramName*: list of recall IDs not found in queue. These recalls are already finished:

Explanation

The program is not able to find the recall IDs and is not able to delete these processes.

System action

None.

User response

Check that recall IDs exist and are correct.

FMV8778E: A browser program cannot be found or cannot be started. An error occurred executing the command.*command* Verify that a browser is installed and works correctly on your local machine.

Explanation

A browser program cannot be found, so it is not possible to access the Tivoli Web site and online documentation.

System action

IBM Storage Protect continues to process user requests.

User response

For the Windows platform, the default system browser is used. Verify that a browser is installed on your machine.

FMV8779E: A browser program cannot be found or cannot be started. One of the following browsers is required: *browser-list* Verify that one of these browsers is installed and works correctly on your local machine.

Explanation

A browser program cannot be found, so it is not possible to access the Tivoli Web site and online documentation.

System action

IBM Storage Protect continues to process user requests.

User response

For UNIX platforms, a list of supported browsers is provided in the README. Install the required browser to access the Tivoli Web sites and online documentation.

FMV8780E: A browser program cannot be found or cannot be started. Check the '*file-name*' file on your local machine for more information.

Explanation

A browser program cannot be found, so it is not possible to access the Web site or online documentation.

System action

IBM Storage Protect continues to process user requests.

User response

Install a browser to access the Web site or online documentation.

FMV8809E: The LD_LIBRARY_PATH is either not set or is set incorrectly. Ensure that the LD_LIBRARY_PATH environment variable contains the installation directory *path name*.

Explanation

The LD_LIBRARY_PATH must be set and it must contain the installation directory path.

System action

The VMware backup or restore operation fails.

User response

Set the LD_LIBRARY_PATH and ensure that it contains the Backup/Archive client installation directory.

FMV8810E: The LD_LIBRARY_PATH is either not set or is set incorrectly. Ensure that the LD_LIBRARY_PATH environment variable contains the installation directory.

Explanation

The LD_LIBRARY_PATH must be set and it must contain the installation directory path.

System action

The VMware backup or restore operation fails.

User response

Set the LD_LIBRARY_PATH and ensure that it contains the Backup/Archive client installation directory.

FMV8811E: VMware operations can not be run when the hardware plugin product TIVsm-BAhdw is installed and loaded. Please either uninstall the hardware product TIVsm-BAhdw, or set the option DONTLOAD PIHDW in the options file to prevent the hardware plugin from being loaded.

Explanation

VMware operations are incompatible with the hardware plugin product libraries.

System action

The VMware backup or restore operation fails.

User response

Uninstall the hardware product product TIVsm-BAhdw, or set the option DONTLOAD PIHDW to prevent the hardware plugin from being loaded.

FMV8818E: An error occurred trying to apply your changes. Your changes have not been applied to the system. Contact your system administrator.

Explanation

An error occurred trying to apply your changes.

System action

User changes are not applied.

User response

Contact your system administrator.

**FMV8819E: The following trace flag(s) are not valid: *trace-flag-list*.
Correct them before continuing.**

Explanation

One or more of the trace flags are not valid.

System action

Prompts the user to correct the trace flags.

User response

Correct the wrong trace flags.

**FMV8830W: Different server name stanzas (*HSM-stanza* and *BA-stanza*)
for *file-system-name* file system for space management and backup-
archive.**

Explanation

The server name stanzas you specified for the space management (HSM) client and the backup-archive (BA) client are different. The inline backup and stub restore features will be unavailable for the file system.

System action

Processing continues.

User response

If you want to allow inline backup and stub restore for the file system, the MIGRATESERVER and DEFAULTSERVER options must specify the same SERVERNAME stanza in dsm.sys. You may also choose to supply a server stanza name using the SERVERNAME option in dsm.opt or on the command line. In either case the stanza name must match the stanza specified in the MIGRATESERVER option.

**FMV8939E: An unexpected error occurred trying to filter the directory
tree. rc=*return-code***

Explanation

The filter was not applied to the directory tree.

System action

The directory tree is not filtered.

User response

Contact your system administrator for further assistance.

FMV8946E: RPC call failed.

Explanation

Unable to connect receiver recall daemon.

System action

Processing stopped.

User response

System is not operating correctly or recall daemons are not started.

FMV9005W: *program name*: invalid '*parameter name*' value: *value* (must be in [*minimum value*..*maximum value*]).

Explanation

The program found an invalid parameter in the space management configuration of a filesystem.

System action

The parameter value was rejected.

User response

In case you tried to set the specified value manually, choose a value from the specified range instead. If the value is read from a file system's space management configuration file (located at [fs]/.SpaceMan/hsmfsconfig.xml), edit the file accordingly. The name of the filesystem can be determined from a subsequent error message.

FMV9007W: *program name*: invalid '*parameter name*' value: *value* (must be in [*minimum value*..*maximum value*]).

Explanation

The program found an invalid parameter in the space management configuration of a filesystem.

System action

The parameter value was rejected.

User response

In case you tried to set the specified value manually, choose a value from the specified range instead. If the value is read from a file system's space management configuration file (located at [fs]/.SpaceMan/hsmfsconfig.xml), edit the file accordingly. The name of the filesystem can be determined from a subsequent error message.

FMV9008W: Compression is enabled. Recall mode for file *file-name* cannot be set to partial.

Explanation

IBM Storage Protect can only set file attributes to a uncompressed migrated file. This file has been migrated with compression enabled.

System action

IBM Storage Protect does not set the file attributes.

User response

Recall the file to state resident disable compression and migrate the file again. Retry the operation.

FMV9009E: *program name*: found invalid space management configuration for '*filesystem*'.

Explanation

The program found an invalid space management configuration for the given filesystem.

System action

The space management configuration was rejected for the given filesystem . When updating an existing configuration, invalid configurations to set are ignored. When a persistent configuration file is invalid, the filesystem will appear to not have space management enabled.

User response

In case you tried to update space management for this filesystem manually, enter a valid configuration instead. In case the persistent configuration file is invalid, edit the file accordingly; alternatively, you can add space management explicitly (which will remove / overwrite the existing configuration). The reason for the configuration can be determined from a preceding error message. The filesystem's space management configuration file is located at '*filesystem*'.SpaceMan/hsmfsconfig.xml.

FMV9010E: *program name*: could not parse space management configuration file '*configuration file*' for *filesystem*.

Explanation

The space management configuration file for the given filesystem is present but its content appears to have invalid format.

System action

The configuration was rejected. The filesystem will appear to not have space management enabled.

User response

Check the given space management configuration file; it is supposed to contain a well-formed XML document with a root element named 'HsmFsConfig'. To create a new configuration file, you can simply add space management to this filesystem.

FMV9011E: *program name*: could not write space management configuration file '*configuration file*' for *filesystem*.

Explanation

IBM Storage Protect could not write and save the space management configuration file for the given filesystem.

System action

IBM Storage Protect did not save the space management configuration information. If you tried to add space management for this filesystem, it was not added. If you tried to update the space management configuration, it was probably not updated. If an existing configuration file in old format was read successfully, but could not be converted to XML format, space management will be active for this filesystem with the configuration from the old file.

User response

Determine if there is any reason why the given file cannot be written.

FMV9012E: *error-program*: Command must be run by root user.

Explanation

IBM Storage Protect requires that a root user perform this operation.

System action

IBM Storage Protect terminates the operation.

User response

Change to root user, and then retry the operation.

FMV9016E: Cannot get space management migration status for *path*.

Explanation

An error occurred while trying to get the space management migration status. Either the permissions for the status file are not set correctly, or the status file is damaged.

System action

IBM Storage Protect terminates the operation.

User response

The root user should check the permissions of the status file, or contact the service representative.

FMV9017W: *error-program*: Minimum number of recall daemons *min-dsmrecalld* cannot be greater than maximum number of recall daemons *max-dsmrecalld*; defaulting to minimum *min-dsmrecalld* and maximum *max-dsmrecalld*.

Explanation

A minimum number of recall daemons has been entered that is greater than the maximum number of recall daemons.

System action

IBM Storage Protect uses defaults instead of the values specified in the client system options file (dsm.sys).

User response

Correct the MINRECALLDAEMONS and MAXRECALLDAEMONS options in the client system options file and retry the operation.

FMV9020E: A session could not be established with a IBM Storage Protect server or client agent. The return code is *tsm-error*;

Explanation

An issue prevented the client from making a connection with the IBM Storage Protect server. Additional detail is not available to include with this message. However, additional messages are likely to be reported in the IBM Storage Protect error log.

System action

Processing stops.

User response

Check the error log for additional messages. Refer to those messages to determine how to resolve any reported issues. If the IBM Storage Protect-error is -50, there is a communication failure. Typical causes of this error include misconfiguration of the server TCP/IP address or port. Verify the configuration and that the client system network is connected. Verify that a firewall does not prevent access to the IBM Storage Protect server. Finally, verify that the IBM Storage Protect server is running and accepting connections on the expected port.

FMV9021E: *error-program* Unknown recall daemon (pid *process-ID*) terminated abnormally, status: *status*.

Explanation

A recall daemon stops abnormally.

System action

IBM Storage Protect terminates the operation.

User response

Try the operation again. If the problem persists, send the core file to IBM Storage Protect technical support for analysis.

FMV9022E: *error-program* Recall daemon (pid *process-ID*) ended abnormally, status: *status*.

Explanation

A recall daemon stopped abnormally.

System action

The operation does not complete.

User response

Try the operation again. If the problem persists, send the core file to IBM Storage Protect technical support for analysis.

FMV9024E: Starting with this release all candidate processing is done internally by the IBM Storage Protect monitor daemon. Thus -c is no longer a valid option for dsmreconcile.

Explanation

The command line options -c and -Candidates are no longer valid for dsmreconcile as all candidates processing is now performed by dsmmmonitord.

System action

IBM Storage Protect detected an invalid option. dsmreconcile is exiting.

User response

Don't use options -c and -Candidates with dsmreconcile anymore.

FMV9025E: The Data Protection for WebSphere plug-in version and the backup-archive client version do not match. Please upgrade your Data Protection for WebSphere plug-in.

Explanation

The release and version of the Data Protection for WebSphere plug-in is downlevel from the release and version of the Backup-Archive Client.

System action

None

User response

Upgrade Data Protection for WebSphere to the proper release and version.

FMV9028E: *program name*: could not acquire lock for *filesystem*.

Explanation

Prior to modifying a space management configuration file, it is required to lock the file in order to avoid concurrent access. If acquiring the lock fails, there was a concurrent access.

System action

The action was cancelled.

User response

Retry the same request or determine the process holding the lock.

FMV9029E: The WebSphere server is running, but the server must be shut down for a restore operation. Shut down the WebSphere server and try the restore operation again.

Explanation

The WebSphere server must be brought down to perform a restore.

System action

The restore operation fails.

User response

Shut down the WebSphere server and try the restore operation again.

FMV9030W: Cannot set conflicting attributes to file *file-name*.

Explanation

IBM Storage Protect cannot set the file attributes because the requested attributes are in conflict with one another.

System action

IBM Storage Protect does not set the file attributes.

User response

Retry this operation with attributes that do not conflict with each other. This error also appears if you try to set partial recall mode for an executable file.

FMV9031W: File *file-name* is not a migrated file.

Explanation

IBM Storage Protect can only set file attributes to a migrated file. This file has not been migrated.

System action

IBM Storage Protect does not set the file attributes.

User response

Migrate this file, and then retry the operation.

FMV9032W: File *file-name* is not in an HSM managed file system.

Explanation

IBM Storage Protect detects that the file is not in an HSM managed file system, and therefore, it cannot perform the operation requested.

System action

IBM Storage Protect does not set the file attributes.

User response

Add space management to the file system, migrate the file, and then retry the operation.

FMV9034E: The restore operation did not complete, due to a change in the original WebSphere environment.

Explanation

The data must be restored to the same environment that it was backed up from. This includes items such as cell name, node name, and the location where WebSphere is installed.

System action

The restore operation does not complete.

User response

Perform the restore procedure in the *DP for WebSphere* book.

FMV9036W: *program-name*: migrated file(s) are missing on server for *number* stub file(s). Look in '*file-spec*' for file names.

Explanation

IBM Storage Protect cannot find the migrated file(s) on the server.

System action

Processing continues.

User response

Look in the path mentioned in the message for the file name. Also ensure that you are working with the correct server for this file.

FMV9050I: *program-name*: One or more specified options are not valid.

Explanation

IBM Storage Protect The specified options are not valid. No option was changed.

System action

Processing continues without changed options.

User response

Verify the specified options and correct the command line options for the command.

FMV9051I: *program-name*: The options were successfully changed.

Explanation

IBM Storage Protect Update of options was successful.

System action

Processing continues with changed options.

User response

Continue normal processing.

FMV9054E: The plug-in was not found.**Explanation**

None.

System action

None

User response

Run "dsmc show plugins" at the command prompt to see the available plug-ins on the system.

FMV9057W: *error-program*: cannot get space information for *file-system*: *error*.**Explanation**

IBM Storage Protect cannot get the space information for the file system.

System action

Processing continues.

User response

Verify that space management has been added to the file system.

FMV9059E: *error-program*: process cannot detach to become a daemon.**Explanation**

IBM Storage Protect process cannot detach itself to become a daemon.

System action

IBM Storage Protect cannot start the daemon as requested. IBM Storage Protect stops.

User response

Retry the operation.

FMV9060W: *error-program*: cannot get and increase limit of open files.

Explanation

IBM Storage Protect either cannot get the limit of the number of open files, or cannot increase the limit of the number of open files.

System action

IBM Storage Protect cannot increase the number of open files, and was not able to complete the operation.

User response

Free some file space by ending some processes or removing some files, and retry the operation.

FMV9062E: File '*filename*' has changed during the backup.

Explanation

A file changed during the backup. Check the dserror.log file for a list of files that have changed.

System action

The backup fails.

User response

Try the backup again.

FMV9063E: *error-program*: file system *file-system* is out of inodes.

Explanation

IBM Storage Protect cannot get space for the file system because the file system is out of inodes.

System action

IBM Storage Protect cannot get space via migration.

User response

Remove some files to make more inodes available and retry.

FMV9064E: *error-program*: Cannot fork a new process: *error*.

Explanation

IBM Storage Protect cannot fork a new process that is needed. If the operating system errno is EAGAIN, then the limit on the total number of processes running on the system or by a single user has been exceeded, or the system does not have the resources necessary to create another process. If the errno is ENOMEM, then there is not enough memory to create the process.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Depending on the error code (errno), either allocate additional virtual memory (swap space) or increase the operating system process limit. Then restart the HSM daemons or reboot the system.

FMV9065E: File '*filename*' or file '*filename2*' has been added or removed during the backup.

Explanation

A file was added or removed during the backup.

System action

The backup fails.

User response

Try the backup again.

FMV9067W: *error-program*: error updating dsmmigfstab file for *file-system*.

Explanation

IBM Storage Protect found an error in updating the dsmmigfstab file for this file system.

System action

IBM Storage Protect does not update the dsmmigfstab file.

User response

See the preceding error message and correct the error if possible. Then, retry the operation. If problem persists, contact your system administrator.

FMV9068I: *program-name*: dsmmigfstab file updated for file system *file-system*.

Explanation

IBM Storage Protect successfully updated the dsmmigfstab file for the file system.

System action

Processing continues.

User response

Continue with normal operation.

FMV9069I: *program-name*: all file systems are reactivated to previous states.

Explanation

IBM Storage Protect has reactivated all file systems managed by HSM to their previous states before the global deactivation.

System action

Processing continues.

User response

Continue with normal operation.

FMV9070I: *program-name*: space management is now deactivated for all HSM file systems.

Explanation

IBM Storage Protect has deactivated space management for all file systems listed in the dsmmigfstab file.

System action

Processing continues.

User response

Continue with normal operation.

FMV9071W: *program-name*: error reactivating space management for all HSM file systems.

Explanation

IBM Storage Protect found an error in trying to reactivate space management.

System action

IBM Storage Protect does not reactivate space management for HSM file systems.

User response

Make sure space management is installed correctly and retry the operation.

FMV9072W: *error-program*: error deactivating space management for all FSM file systems.

Explanation

IBM Storage Protect found an error in trying to deactivate space management.

System action

IBM Storage Protect does not deactivate space management for FSM file systems.

User response

Make sure space management is installed correctly and retry the operation.

FMV9073W: *program-name*: error deactivating space management for file system *file-system*.

Explanation

IBM Storage Protect found an error in trying to deactivate the file system.

System action

IBM Storage Protect does not deactivate space management for the file system.

User response

Make sure space management is installed correctly and retry the operation.

FMV9074I: *program-name*: space management functions have been locally deactivated for file system *file-system*.

Explanation

IBM Storage Protect has locally deactivated space management functions like migration, recall and reconciliation for the file system.

System action

Processing continues.

User response

Continue with normal operation.

FMV9075W: *program-name*: error reactivating space management for file system *file-system*.

Explanation

IBM Storage Protect found an error in trying to reactivate space management for the file system.

System action

IBM Storage Protect does not reactivate space management for the file system.

User response

Verify that the specified file system is mounted and that HSM is enabled for this file system. Then try the operation again. If the problem persists, contact IBM Storage Protect technical support for additional assistance. Provide the /etc/filesystems (or equivalent file) and the output from the mount and dsmdf commands.

FMV9076I: *program-name*: space management functions have been locally reactivated for file system *file-system*.

Explanation

IBM Storage Protect has locally reactivated space management functions like migration, recall and reconciliation for the file system. Please, note however that the space management might still be globally deactivated.

System action

Processing continues.

User response

Continue with normal operation.

FMV9077I: *program-name*: removed space management from file system *file-system*.

Explanation

IBM Storage Protect removed space management. The file system is now a native file system.

System action

Processing continues.

User response

Continue with normal operation.

FMV9078W: Space management is not removed from file system *file-system*.

Explanation

IBM Storage Protect was not able to remove space management from this file system. Possible causes:
Kernel extension is downlevel.
Program is downlevel.
Insufficient disk space.

System action

IBM Storage Protect is unable to complete the requested operation.

User response

Refer to the immediately preceding error message and retry the operation.

FMV9079W: *program-name*: no migrated files matching search criteria found.

Explanation

IBM Storage Protect did not find any migrated files matching the search criteria.

System action

IBM Storage Protect cannot complete the requested operation.

User response

Retry the operation with a different search criteria.

FMV9080E: *program-name*: not enough space in file system or storage pool to recall all migrated files.

Explanation

IBM Storage Protect detects there is not enough space in the file system to hold all the migrated files if all are recalled. If you are using GPFS storage pools, each pool needs to have enough space to recall its files.

System action

IBM Storage Protect does not attempt to recall all the migrated files.

User response

Make room in the file system by increasing the file system size or removing some files. Retry the operation.

FMV9081W: *program-name*: orphaned stub file(s) detected in file system *file-system*.

Explanation

IBM Storage Protect detected one or more orphaned stub files. Either the migration server was changed in the client system options file after the file was migrated, or the migration server database is damaged.

System action

IBM Storage Protect does not attempt to remove space management from the file system.

User response

Determine the cause of orphaned stub files. Switch to the correct migration server and recall the migrated files. Retry the operation.

FMV9082W: *program-name*: error encountered while reconciling file system *file-system*.

Explanation

IBM Storage Protect encountered an error performing reconciliation on the file system.

System action

Processing continues.

User response

Refer to other messages displayed or messages in the log to correct the problem. Then retry the operation.

FMV9083W: *program-name*: cannot deactivate space management on file system *file-system*.

Explanation

IBM Storage Protect cannot deactivate space management on the file system.

System action

Processing continues.

User response

Correct the error if possible and retry the operation.

FMV9084E: *program-name*: *file-system* is not managed or not locally managed by space management.

Explanation

There is no entry for the file system in the dsmmigfstab file or the file system is managed by another node.

System action

IBM Storage Protect will not perform space management functions on this file system.

User response

Add space management to the file system, if appropriate, and then retry the operation. If the file system is not locally managed, retry the operation on the node managing the file system.

FMV9085E: *program-name*: file system *file-system* is not managed by space management.

Explanation

There is no entry for the file system in the dsmmigfstab file.

System action

IBM Storage Protect will not perform space management functions on this file system.

User response

Add space management to the file system, if appropriate, and then retry the operation.

FMV9086E: *program-name*: A DMAPI error occurred adding space management to file system *file-system*, it is possible DMAPI is disabled on this file system. The system set the error code: errno = *errno-value*

Explanation

IBM Storage Protect encountered an error and cannot add space management to the file system.

System action

The Space management cannot be added to file system.

User response

Verify that DMAPI is enabled for this file system and retry the operation.

FMV9087I: Space management is successfully added to file system *file-system*.

Explanation

IBM Storage Protect has added space management to the file system, and will now monitor its space usage. You can also perform other space management operations on this file system.

System action

Processing continues.

User response

Continue with normal operation.

FMV9088W: *program-name*: space management is already active for file system *filesystem*.

Explanation

This message is issued when trying to add space management to a filesystem with space management already activated. It is not possible to add space management for a filesystem that already has space management activated.

System action

The action was cancelled.

User response

In case you wanted to update the filesystem's space management configuration instead, use the appropriate update command.

FMV9089E: The group backup validation failed. One or more files were added, removed, or changed during the backup.

Explanation

One or more files have been added, removed, or changed from the time WebSphere was queried to the time that all the data was sent to the IBM Storage Protect server. Check the dsmerror.log file for a list of files that were added, removed, or changed.

System action

The backup fails.

User response

Try the backup again.

FMV9090E: *program-name: file-system* is not a valid file system name.

Explanation

IBM Storage Protect received an invalid file system name. The file system is not mounted, or is not mounted correctly.

System action

Processing continues.

User response

Correct the file system name, and retry the operation.

FMV9091E: The WebSphere backup validation failed. One or more files were added, removed, or changed during the backup.

Explanation

One or more files have been added, removed, or changed from the time WebSphere was queried to the time that all the data was sent to the IBM Storage Protect server. Check the dsmerror.log file for a list of files that were added, removed, or changed.

System action

The backup fails.

User response

Try the backup again. Do not install new WebSphere applications or change the WebSphere configuration while in the backup window.

FMV9093W: *program-name*: cannot update migration candidates list *file-name*.

Explanation

IBM Storage Protect cannot update the migration candidates list because not enough memory is available to create a temporary file.

System action

Processing stops.

User response

Make some memory available by ending some processes, and then retry the operation.

FMV9094W: *program-name*: no candidates found in file system *file-system*.

Explanation

IBM Storage Protect found no files eligible for migration in the file system after running dsmreconcile.

System action

Processing continues.

User response

Continue with normal operation.

FMV9098E: *program-name*: space management does not support file system *file-system*.

Explanation

The space management does not support this type of file system. Space management supports only true local file systems (e.g. JFS on AIX). Space management does not support other types of file systems (AFS, NFS, etc).

System action

Processing of the file system stopped.

User response

None.

FMV9099E: *program-name*: space management is not active for file system *file-system*.

Explanation

IBM Storage Protect found the file system did not have space management activated.

System action

Processing of that file system stopped.

User response

Reactivate space management for the file system.

FMV9100E: Unable to open file '*filename*' for output.**Explanation**

The file name specified cannot be opened.

System action

Make sure that user has access to write to specified file, or use different file name.

User response

Output will not be saved. Please specify different file or check permissions on chose file.

FMV9101E: Migrated files matching '*file-name*' could not be found.**Explanation**

File name for search pattern can not be found in the IBM Storage Protect server database as a migrated file.

System action

No query result.

User response

Verify that the search patter is correct.

FMV9117E: Virtual machine '*VM_name*' contains one or more of the following unsupported special characters *special_characters_list*.**Explanation**

The specified virtual machine name contains characters that are not supported for virtual machine backup and restore operations. The following characters are not supported in names of restored virtual machines:
";'\""?,<>/\\|"

System action

The backup or restore for the specified virtual machine failed.

User response

Rename the virtual machine without using unsupported special characters.

FMV9121I: Activate completed.

Explanation

A Domino activate databases operation was completed.

System action

IBM Storage Protect activated the databases.

User response

Continue with normal operations.

FMV9126E: *program-name*: cannot determine whether space management is active or inactive for *file-system* due to error: *error*.

Explanation

The program 'program-name' indicated in the message text was unable to obtain statistics for file system 'file-system'. Therefore the program cannot determine whether space management is activated, deactivated, or globally deactivated on that file system. The message text includes a description of the Unix errno error that occurred while trying to get the state of space management.

System action

IBM Storage Protect stops the operation.

User response

Verify that the file system is mounted and accessible. Using the appropriate tools for that file system, check whether there are any I/O or other integrity errors on that file system. Then try the operation again. If the operation fails, then a system reboot might clear the error condition. If, after taking these actions the problem persists, contact IBM Storage Protect technical support for assistance.

FMV9128I: Inactivate logs completed.

Explanation

A Domino inactivate log operation was completed.

System action

IBM Storage Protect inactivated the log.

User response

Continue with normal operations.

FMV9130E: The virtual machine name contains only whitespace characters.

Explanation

The virtual machine name that was specified contains only whitespace characters. A name consisting of only whitespace characters is not supported for virtual machine backup and restore operations.

System action

The backup or restore for the specified virtual machine failed.

User response

Rename the virtual machine using valid characters. Try the operation again.

FMV9133E: *program name*: space management already active for *filesystem*.

Explanation

This message is issued when trying to add space management to a filesystem with space management already activated.

System action

The action was cancelled.

User response

Check the filesystem's space management configuration and consider updating it in case it does not match your needs. It is not possible to add space management for a filesystem that already has space management activated.

FMV9134E: *program name*: space management not active for *filesystem*.

Explanation

The program requested the space management configuration for a file system where space management is not active.

System action

The action was cancelled.

User response

In case you entered the filesystem specification, check for correct spelling. It is not possible to perform space management actions on a filesystem with space management not activated.

FMV9135E: *program name*: space management for *filesystem* not controlled by the local node.

Explanation

The program requested the space management configuration for a file system where space management is active, but not controlled by the local node. In cluster environments, some space management actions are allowed from the owner node only.

System action

The action was cancelled.

User response

Determine the controller node for this filesystem and retry.

FMV9136E: *program name*: could not remove *configuration file* for *filesystem*.

Explanation

During removal of space management for the given filesystem, this configuration file could not be removed.

System action

Space management could not be deactivated for this filesystem.

User response

Determine the reason why the file could not be removed and retry.

FMV9137I: File: *file-name* is not premigrated.

Explanation

File must be premigrated to migrate it.

System action

The file was skipped.

User response

The migration of premigrated files requires that the file is in premigration state.

FMV9140E: The migration options premigration and stub cannot be combined.

Explanation

The migration option premigration and stub are mutual exclusive. Both options end in different results for the same file.

System action

Command ends without changes to the file.

User response

Use the migration options premigration and stub in different instances of the command.

FMV9145E: Virtual machine will not be backed up because it has an empty name.

Explanation

The specified virtual machine name is empty. This is not supported for virtual machine backup and restore operations.

System action

The backup for the specified virtual machine fails.

User response

Rename the virtual machine so that its name contains supported characters.

FMV9146E: The dsmrecalld daemon process running on node *local-node* cannot reach the counterpart on node *remote-node*. RPC error code: *rpcStat-value*, reason: *rpcStat-explanation*

Explanation

IBM Storage Protect dsmrecalld executable running on the local node was unable to connect to the remote counterpart executable via RPC.

System action

Processing of the current operation is stopped.

User response

Login to the indicated remote node and ensure that the dsmrecalld daemon processes are running. If the daemon processes are running but the warning continues, make sure that the appropriate RPC services are up and running on both nodes. To do so: - on Linux, run 'service portmap status' or 'service rpcbind status' or 'systemctl status rpcbind' command depending on the Linux distribution in use; - on AIX, run 'lssrc -s portmap' command. If the RPC error reason is "Program not registered" or the RPC error persists even upon the RPC service restart, restart all the HSM daemons via 'dsmmigfs restart' command on both nodes.

FMV9147E: *program-name*: cannot read *file-spec*: error.

Explanation

IBM Storage Protect cannot read this file.

System action

IBM Storage Protect cannot fully complete the requested operation.

User response

An error occurred reading an HSM managed file system status file. Verify that the file system is mounted and enabled for HSM and is actually managed by HSM and then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance. Provide the output from the mount, dsmdf and ls -l [file system name] commands.

FMV9148E: *program-name*: cannot find mount point for file system *file-system*.

Explanation

IBM Storage Protect cannot find file system mount point.

System action

IBM Storage Protect cannot complete the requested operation.

User response

The specified file system is not currently mounted. Mount the file system and try the operation again.

FMV9150I: Archive log completed.

Explanation

A Domino archive log operation was completed.

System action

IBM Storage Protect archived the log.

User response

Continue with normal operations.

FMV9151E: An unexpected program error was encountered . IBM Storage Protect function name : *function-name* IBM Storage Protect function : *function-desc* IBM Storage Protect return code : *TSM-rc* IBM Storage Protect file : *file-name (line-number)*

Explanation

None.

System action

Processing stops.

User response

Check error log for more information. Contact the IBM Storage Protect administrator with the information provided in this message.

FMV9152E: *program-name*: cannot deactivate space management for whole system: *error*.

Explanation

Space management cannot be deactivated for the whole machine.

System action

IBM Storage Protect cannot deactivate space management support.

User response

The HSM global status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, examine the output of the shell command `ps -aef` as well as the contents of `/etc/adsm/SpaceMan/config/dmiFSGlobalState.pid`. If a pid is stored in this file and it does correspond to a running process, remove the `dmiFSGlobalState.pid` file and retry the operation. If the problem persists, reboot the system and repeat the appropriate analysis for your file system type.

FMV9153E: *program-name*: cannot reactivate space management for whole system: *error*.

Explanation

Space management cannot be reactivated for the whole machine.

System action

IBM Storage Protect cannot reactivate space management support.

User response

The HSM global status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, examine the output of the shell command `ps -aef` as well as the contents of `/etc/adsm/SpaceMan/config/dmiFSGlobalState.pid`. If a pid is stored in this file and it does correspond to a running process, remove the `dmiFSGlobalState.pid` file and retry the operation. If the problem persists, reboot the system and repeat the appropriate analysis for your file system type.

FMV9154E: *program-name*: cannot deactivate space management for file system *file-system*: *error*.

Explanation

Space management cannot be deactivated for the file system.

System action

IBM Storage Protect unable to deactivate space management support for the file system.

User response

The HSM file system status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues verify that the file system is mounted and that HSM is enabled on the file system with the Unix shell commands `mount` and `dsmdf`. If the problem persists, reboot the system and try the operation again.

FMV9155E: *program-name*: cannot reactivate space management for file system *file-system*: *error*.

Explanation

Space management cannot be reactivated for the file system.

System action

IBM Storage Protect cannot reactivate space management support to the file system.

User response

The HSM file system status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, verify that the file system is mounted and that HSM is enabled on the file system with the Unix shell commands mount and dsmdf. If the problem persists, reboot the system and try the operation again.

FMV9156I: Rollforward completed.

Explanation

A Domino DB2 rollforward operation was completed.

System action

IBM Storage Protect rollforward the Domino DB2 database log.

User response

Continue with normal operations.

FMV9159E: *program-name*: unable to create temporary file.

Explanation

IBM Storage Protect cannot create a temporary file.

System action

IBM Storage Protect cannot complete its operation.

User response

Check with the Unix mount shell command that /tmp and /etc exist as separate file systems on your system. Use the df command to check whether they are full. Create additional space by deleting files or increasing the file system size.

FMV9160E: *program-name*: cannot write to temporary file or status file *file-spec*: error.

Explanation

IBM Storage Protect cannot complete writing to the temporary file.

System action

IBM Storage Protect cannot complete the requested operation.

User response

The Unix error code may provide guidance as to why the write failed. Use the Unix mount and df shell commands to verify that the associated file system is mounted and has space available. If this message resulted from a shell command, mount the file system and create additional space if necessary, then retry the

operation. If the message did not result from a shell command, restart the daemons. If the problem persists, reboot the system.

FMV9161E: Invalid backupset file or device name entered.

Explanation

The backupset file or device name specified does not contain a valid backupset.

System action

Processing stopped.

User response

Specify a file name or device that contains a valid backupset and retry the operation.

FMV9162W: Object: '*dir-name*' is skipped for recall: It is a directory.

Explanation

The object is a directory. Space management does not recall directories.

System action

IBM Storage Protect does not recall this object because it is a directory.

User response

None.

FMV9163W: *program-name*: Could not acquire the recall daemon session id.

Explanation

Could not set up the event disposition for the file system, because the recall daemon session could not be acquired. It seems the recall daemon is not running. Recall requests will not be handled, which means the IBM Storage Protect client for space management can't react to recall requests for this file system.

System action

IBM Storage Protect could not set up the recall event handling. The recall event handling is not enabled for this filesystem.

User response

Start or restart the recall daemon.

FMV9164W: *program-name*: Could not acquire the monitor daemon session id.

Explanation

Could not set up the event disposition for the file system, because the monitor daemon session could not be acquired. It seems the monitor daemon is not running. Thus the thresholds for file system usage will not be monitored and the NOSPACE event will not be handled, which means the file system may run out of space.

System action

IBM Storage Protect could not set up the NOSPACE event handling. The NOSPACE event handling is not enabled for this filesystem.

User response

Start or restart the monitor daemon.

FMV9165E: *program-name* cannot open directory *directory-spec* due to the following error: *error*.

Explanation

The directory indicated in the message text cannot be opened. The message text includes a description of the error that occurred.

System action

The requested operation is not completed.

User response

Try to correct the error condition that is indicated in the message text, then try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9166I: A '*backup type*' backup version backup date '*datetime*' is not consistent with local repository and has been deleted from the server (object name='*filespace namepath-namefile-name*', ID = '*object-id:object-id*').

Explanation

The specified backup instance of the named object is not valid with local repository contents. This could happen if local repository is modified or got corrupted on the client system. This backup can not be restored, therefore it will be deleted on the server.

System action

The specified backup object will be deleted on the server. Processing will continue.

User response

None.

FMV9167W: The client cache for adaptive subfile backup is corrupt and cannot be used.

Explanation

The adaptive subfile cache has become corrupt. While the backup client can detect the corruption, the reason for the corruption cannot be determined.

System action

The IBM Storage Protect client will proceed with standard selective or incremental backup. The cache will be rebuilt so that subsequent backups will use the adaptive subfile technique.

User response

If the problem persists, contact IBM Storage Protect technical support for assistance. Be prepared to provide the client error log, which will contain additional messages that might be useful for support to help identify the problem.

FMV9169E: *program-name*: cannot create directory *directory-spec*, *reason*.

Explanation

IBM Storage Protect cannot create this directory.

System action

IBM Storage Protect does not create this directory.

User response

Verify that this directory does not already exist, and that its parent directory has proper permissions.

FMV9170E: *program-name*: *file-system* is not a mounted local file system.

Explanation

IBM Storage Protect did not find that this file system is properly mounted.

System action

IBM Storage Protect ignores the file system.

User response

Verify that this file system is local and mounted and activated properly.

FMV9171E: An error internal to IBM Storage Protect has occurred. The following string is too long: *error*.

Explanation

None.

System action

The requested operation does not complete.

User response

A system reboot might clear up the problem, after which the operation should be tried again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9174I: A backup delete completed.

Explanation

A Backup delete was completed.

System action

IBM Storage Protect deleted backup files.

FMV9177W: All data events for remote recalls running on node: '*cluster node ID*', hostname: '*cluster node hostname*' are going to be aborted.

Explanation

The remote node is not responding, so all DMAPI data events which are currently being processed on this remote node should be aborted. This warning is likely caused by an RPC communication issue between the local node and the specified remote node.

System action

The dsmrecalld distributor process is going to abort all data events (if any) which are currently being processed on the specified remote node.

User response

Ensure that the network and host connection are configured correctly. Then, retry the recall operation.

FMV9178E: *program-name* cannot open file *file-spec* due to the following error: *error*.

Explanation

The program indicated in the message text was unable to open the specified file. The message text also includes a description of the error that occurred when it tried to open the file.

System action

The requested operation does not complete.

User response

Verify that the file system on which the file resides is mounted, then try the operation again. A system reboot might clear up the problem. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9179W: The operation completed successfully. However, some error occurred on creation of the required vApps list.

Explanation

One or more of the items included in the vApps specification were not found. This can be caused by a change in the vCD organizations configuration or a user mistake in the provided vApp spec.

System action

The operation completes successfully

User response

Check the local client error log for a reason for the failure and check the command specification. Correct any issues and execute the command again.

FMV9180W: An entry in the password file could not be decrypted.

Explanation

The password failed decryption validation.

System action

The password in the password file will be ignored. You will be prompted for the password, unless the process is running in the background, such as in scheduling mode.

User response

Enter the password when prompted.

FMV9184E: *program-name* cannot allocate memory due to the following error: *error*.

Explanation

A memory allocation error occurred. The message text includes a description of the error that occurred.

System action

The requested operation does not complete.

User response

Try the operation again. If the problem occurs in an HSM daemon, restart the daemon, then try the operation again. If the problem continues to occur, use your operating system's administrative tools to check virtual memory (swap space) on your system, and increase it if necessary. Check whether an application is consuming available virtual memory. A system reboot might also clear up the problem. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9186E: *program-name*: cannot open mounted file system *file-system*: error.

Explanation

IBM Storage Protect cannot open mounted file system.

System action

IBM Storage Protect ignores the file system.

User response

Verify that this file system is mounted and activated properly.

FMV9201W: LAN-free path failed.

Explanation

A LAN-free connection could not be made.

System action

The system will connect to the server without using the LAN-free path.

User response

Verify your LAN-free setup.

FMV9203E: ENABLELANFREE can not be used when HSM is installed.

Explanation

The IBM Storage Protect Client has detected that HSM is installed on the system. LAN-free is not a valid option when HSM is installed.

- This error occurs on AIX when this file is found: /usr/tivoli/tsm/client/hsm/bin/dsmrecalld
- This error occurs on Solaris when this file is found: /opt/tivoli/tsm/client/hsm/bin/dsmrecalld

System action

An invalid option is detected and processing stops.

User response

Remove the ENABLELANFREE option from the system option file. ENABLELANFREE can only be used when HSM is not installed.

FMV9220E: The name of the virtual machine '*VM_name*' contains '*VM_name_length*' characters. This length exceeds the maximum allowed by the hypervisor '*hypervisor_name*' which is '*max_hypervisor_VM_name_length*' characters.

Explanation

The length of the name of the virtual machine exceeds the maximum length allowed by the hypervisor.

System action

The restore of the specified virtual machine failed.

User response

Rename the virtual machine with a name that does not exceed the maximum length set by the hypervisor. Try the restore operation again.

FMV9240W: Could not acquire the serial number of disk '*disk-name*' at LUN *LUN-id*.

Explanation

IBM Storage Protect was not able to determine the serial number of the specified disk. The disk may not support SCSI inquiries of the Vital Product Data on page 0x80.

System action

Server-free data movement will not be possible for data residing on the specified disk.

User response

None.

FMV9249E: File '*file-namefile-namefile-name*' accessed during migration. File skipped.

Explanation

The specified *file-name* was not migrated because the file was accessed by another process during the attempt to migrate it.

System action

IBM Storage Protect left the file resident.

User response

If you want the file migrated, stop the process which is accessing the file and retry the migration.

FMV9250I: File system '*file-system*' reconciliation completed.

Explanation

IBM Storage Protect has finished reconciling the file system.

System action

Processing continues.

User response

Continue with normal operations.

FMV9251E: *ProgramName*: Cannot parse command-line options correctly.

Explanation

An internal program error occurred trying to parse the command-line arguments.

System action

The program is not able to process the request.

User response

Use the -h or -help option to see what options are allowed on the command-line, then retry the request.

FMV9252I: Value of environment variable: *envVar*.

Explanation

None.

System action

This message is informational.

User response

None.

FMV9255I: An empty status file will be generated.

Explanation

The HSM status file is missing or can not be opened. An empty status file will be created.

System action

File data migration will continue to work normally.

User response

Please run dsmreconcile to create a complete status file.

FMV9256E: File '*file-namefile-namefile-name*' is currently opened by another process.

Explanation

The file is locked by a migration or recall operation. A file can be the object of only one recall process or one recall operation at a time.

System action

The file is skipped.

User response

If this error is not a result of a parallel file migration or recall operation, then this error might be due to the previous cancelled migration or recall operation. In this case, restart the dsmrecalld daemon and try the operation again.

FMV9263W: You cannot restore both active and inactive versions of System State.

Explanation

Restoring an active copy and inactive copy of System State is not allowed.

System action

No processing takes place.

User response

Select either the active copy or the inactive copy to perform restore operation.

FMV9264E: Incremental backup of Virtual Machine '*vmname*' failed with RC *rc*

Explanation

The incremental backup of virtual machine volumes failed.

System action

The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV9267E: *program-name*: File system *file-system* has exceeded its quota.

Explanation

IBM Storage Protect detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action

IBM Storage Protect will not migrate files from this file system.

User response

Recall some files, or ask the system administrator to increase the quota for this file system.

FMV9278E: Failure processing vmList option. RC=*rc*

Explanation

Failure processing vmList option.

System action

The backup can not continue.

User response

Check for errors in the vmList option value. Refer to the documentation for the vmList option for more information.

FMV9279E: Failure locating Virtual Machine '*vmname*' volumes. Failed with RC=*rc*

Explanation

Virtual machine volumes can not found. Volume mount points are not available on Backup Proxy machine.

System action

The backup of the virtual machine can not continue. The next virtual machine in the vmlist will be processed. The output of the vcbMounter command will show the reason for the failure.

User response

Issue a vcbMounter command for the virtual machine to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV9280E: '*vmname*' option must be set when running this operation.

Explanation

A required option for the command is missing.

System action

The operation can not continue.

User response

Set the missing option using the Preference Editor or the command line.

FMV9287E: Invalid or unsupported device.

Explanation

The logical volume device is either invalid or unsupported. Refer to the documentation for device type support for image backup.

System action

The logical volume operation is not performed.

User response

For image backup source or image restore destination, specify a device of one of the supported types.

FMV9288W: File: *file-name* of logical size *file-logical-size* and allocated size *file-allocated-size* is too small to qualify for migration.

Explanation

To be eligible for migration, a file must satisfy all of the following size criteria: - The file logical size is larger than the value of the stubsize option. - The space that a file occupies (the allocated size) is at least as great as the value of the minmigfilesize option.

System action

IBM Storage Protect does not migrate this file because migration does not free additional space.

User response

Verify that the settings of the stubsize option and the minmigfilesize option are appropriate for your migration requirements.

FMV9289W: Object: '*dir-name*' is skipped for migration: It is a directory.

Explanation

The object is a directory. Space management does not migrate directories.

System action

IBM Storage Protect does not migrate this object because it is a directory.

User response

None.

FMV9290W: File: *file-name* is skipped for migration: The file type is either unknown or unsupported.

Explanation

The file either cannot be read, is not a regular file, or its type is unknown to the HSM client. The HSM client migrates only regular files and does not migrate directories, symbolic links, and special files.

System action

IBM Storage Protect does not migrate this file.

User response

None.

FMV9291E: *program-name*: A conflicting space management program is already running in the *file-system* file system. Re-run this program later in this file system.

Explanation

IBM Storage Protect detected another program running in the file system that cannot run at the same time as the program you tried to initiate. The following programs cannot run at the same time for a file system:

- dsmreconcile
- dsmautomig
- dsmmigfs remove.

Also, dsmmigfs remove cannot run while a migration process is running in the file system.

System action

IBM Storage Protect will not run the program at this time.

User response

Try running the program later.

FMV9292E: *program-name*: Cannot access lock file *lock-file/lock-filelock-file*: error

Explanation

IBM Storage Protect cannot access a lock file due to an error. The lock file provides serialization of certain programs to prevent conflicting processes from running at the same time.

System action

IBM Storage Protect will not run the program at this time.

User response

Check the permissions on the directories leading up to the lock file and also the permissions on the program executable.

FMV9293E: The space management cannot access *ERRORPROGerror-program: error*

Explanation

IBM Storage Protect encountered an error trying to access the program specified with the *ERRORPROG* option in your client system options file (*dsm.sys*). This message will appear only the first time this error occurs.

System action

IBM Storage Protect cannot send a severe error message to the specified error message program.

User response

Check to make sure the program exists and that it accepts standard input when run. It is usually best if *ERRORPROG* specifies the fully qualified file name of the program.

FMV9294I: No files matching '*file-name*' were found.

Explanation

You entered a search pattern or file name that cannot be found in the local file system.

System action

Processing stopped.

User response

Ensure that your search pattern is correct, or specify a new search string.

FMV9296W: Performing image backup of the entire volume for *volume name*. The *IMAGEGAPSIZE* option and used block image backup is not supported for non-JFS2 file systems on AIX.

Explanation

None.

System action

The entire volume is backed up.

User response

Refer to the client manual for additional information regarding the *IMAGEGAPSIZE* option and used block image backup.

FMV9297W: File *file-name* is skipped for migration: No backup copy found.

Explanation

A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This option requires that there exists a current backup copy of the file before migration. However, there is no backup copy found on the migration server. This file is not migrated. Note: IBM Storage Protect checks only the migration server for a backup copy. If the migration server and backup server are different servers, IBM Storage Protect does not find a backup copy of the file.

System action

The file is skipped.

User response

Back up this file on the migration server, or assign a management class to this file that does not require a current backup copy. Try the operation again.

FMV9298W: File *file-name* is skipped for migration: Backup copy found is not current.

Explanation

A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This option requires that there exists a current backup copy of the file before migration. However, the backup copy found on the migration server is an old version. This file is not migrated. Note: IBM Storage Protect checks only the migration server for a backup copy. If the migration server and backup server are different servers, there must be a valid backup copy of the file on the migration server.

System action

The file is skipped.

User response

Back up the current file on the migration server, or assign a management class to this file that does not require a current backup copy. Retry the operation.

FMV9299I: Cannot get the number of migrated files for file system *file-system*.

Explanation

Failed to get the number of migrated files on the file system. The number is stored in the status file for the file system.

System action

If you are removing space management from the file system, processing stops. Space management is not removed.

User response

Run reconciliation to reconcile the file system. Retry operation.

FMV9300I: Migrated files found in file system *file-system*. Check for any error encountered during recall.

Explanation

Remove space management failed because there are migrated files in the file system. IBM Storage Protect was unable to recall any files, or some of the migrated files may have failed during a recall operation.

System action

IBM Storage Protect remove processing stops.

User response

Check for error messages that occurred during the recall process, correct any problems, and retry the remove process.

FMV9301E: Full VM backup of Virtual Machine '*vmname*' failed with RC *rc*

Explanation

The Full VM backup of virtual machine failed.

System action

The full backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV9302E: The Restore VM command does not support VMBACKUPTYPE=FILE data. VM File level restore must be run from inside the virtual machine or with the '*asnodename*' option.

Explanation

The Restore VM function not supported for file level data.

System action

The system does not process your requested action.

User response

Virtual machine File level restore must be run from inside the virtual machine or with the asnodename option. To process a full virtual machine restore, issue the command with VMBACKUPTYPE=FULLVM.

FMV9303E: Full VM restore of Virtual Machine '*vmname*' failed with RC *rc*

Explanation

The Full VM restore of virtual machine failed.

System action

The full restore of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is written to the local client error log.

User response

Check the local client error log for reason for the failure.

FMV9304E: VMware Converter tool not installed on system.

Explanation

VMware Converter tool install could not be detected on system.

System action

The full virtual machine image files have been restored successfully at the specified location.

User response

No further action is necessary. The full virtual machine images files can be used by various tools. VMware Converter tool can be installed on system.

FMV9305E: An invalid Hyper-V VM name '*string*' was entered.

Explanation

You entered a Hyper-V VM name that contains incorrect characters or contains wildcard characters.

System action

Processing stopped.

User response

Enter a correct Hyper-V VM name.

FMV9306E: An invalid Hyper-V VM list '*string*' was entered.

Explanation

You entered a Hyper-V VM list that contains incorrect characters or contains wildcard characters.

System action

Processing stopped.

User response

Enter a correct Hyper-V VM list.

FMV9307E: No Hyper-V VM name or VMList entered

Explanation

No Hyper-V VM name or VMList parameter was specified.

System action

Processing stopped.

User response

Specify a correct Hyper-V VM name or VMList parameter.

FMV9308E: No match found for the Hyper-V VM name or VMList '*string*' entered**Explanation**

No match found for the Hyper-V VM name or VMList parameter entered.

System action

Processing stopped.

User response

Specify a correct Hyper-V VM name or VMList parameter.

FMV9309E: Pick option specified but also a value for the Hyper-V VM name or VMList '*string*' entered**Explanation**

You cannot specify the -pick option and also include a Hyper-V VM name or VMList parameter.

System action

Processing stopped.

User response

Specify the -pick option without a Hyper-V VM name or VMList parameter.

FMV9311E: No Hyper-V VMs exist on the IBM Storage Protect server**Explanation**

No filespaces representing a Hyper-V Virtual Machine currently exist on the IBM Storage Protect server.

System action

Processing stopped.

User response

You must successfully backup a Hyper-V Virtual Machine before using this command.

FMV9312S: *program-name*: Cannot change owner/group on file: *file-name*: error

Explanation

IBM Storage Protect cannot change the ownership or group, or both for the specified file. This change is necessary for space management to run properly.

System action

Processing stops.

User response

Ensure that directory permissions allow the file owner or group to be changed. Reissue the command.

FMV9313E: *program-name*: The TMP directory is full.

Explanation

The TMP directory from the operating system is full.

System action

Process stops.

User response

Delete some files in the TMP directory and retry the operation.

FMV9316T: File system '*file-system*' undelete completed.

Explanation

IBM Storage Protect has finished undeleting the file system.

System action

Processing continues.

User response

Continue with normal operations.

FMV9330E: The virtual machine that was specified on the *string* command could not be found or was excluded from the operation.

Explanation

The command cannot complete because the virtual machine could not be found or was excluded from the operation.

System action

Processing stopped.

User response

Try the operation again. Specify a correct VM name or DOMAIN option. This error can also be caused by incorrect settings for the VMHOST, VMHOSTCLUSTER, VMFOLDER, VMDATASTORE, -VM options, or the 'Excluded' tag. The VMHOST option value must be specified as an IP address or as a server name that is in fully qualified domain name (FQDN) format. The host name that you specify must match the host name as it is displayed in the vCenter server in the Host and Clusters view. This host name could be the fully qualified host name (FQDN), the shortened domain name, or the host IP address.

FMV9331W: VMware vCenter or ESX Server userid and password for VMC Host <host> VMC Userid <userid> could not be read from encrypted pwd file.

Explanation

VMware vCenter or ESX Server userid and password could not be read from encrypted password file.

System action

Processing stops.

User response

Use `dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password'` to save encrypted password.

FMV9332E: VMware vCenter or ESX Server userid and password not set. Use `dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password'` to save encrypted password.

Explanation

VMware vCenter or ESX Server userid and password could not be read from encrypted password file.

System action

Processing stops.

User response

Use `dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password'` to save encrypted password.

FMV9333E: Unable to re-create '*file-name*' as a stub file due to *Unix-system-call()* failure; errno: *error*; reason: '*error-reason*'.

Explanation

IBM Storage Protect was unable to re-create the specified file as a stub due to an error.

System action

The processing continues with the next file.

User response

Please, look into the dsmerror.log for further error details. If the affected file path doesn't exist, restore it from your backup (if any) or re-create it manually, then re-try the operation. Make sure that the specified file system is IBM Storage Protect space managed, writable and in consistent state.

FMV9334E: Wrong alias '*alias-name*' received from the server.

Explanation

IBM Storage Protect could not build a valid pathname for a migrated file due to the invalid alias received from the server.

System action

The processing continues with the next file.

User response

If possible, perform either an orphan check reconcile or an inline incremental backup of the initial file, so that the alias is updated on the server. Then, retry the operation. Otherwise, contact IBM Storage Protect support for further investigation and problem resolution.

FMV9347W: Warning:'*domain-keyword*' specified on Domain will be ignored when connecting to VMware ESX/ESXi host. Connect to VMware vCenter to process this domain.

Explanation

None.

System action

Domain keyword is ignored.

User response

Connect to VMware vCenter to process this domain.

FMV9350E: Backup operation failed due to volume mixture. Please refer to explanation section for additional information.

Explanation

IBM Storage Protect failed to create the backup because of the mixture of volumes was detected. Some volumes selected meet the requirements for importing snapshots only when needed and some do not. This situation occurs when a backup operation is requested and the "Import VSS snapshots Only When Needed" feature is enabled and not all the volumes involved in the backup operation are managed by a VSS Hardware Provider that supports transportable snapshots. Additionally the situation can also occur in a clustered environment during a backup operation, when not all the volumes involved in the backup operation are managed by a VSS Hardware Provider that supports transportable snapshots.

System action

processing stops.

User response

Try the operation again by splitting the backup operation. Ensure that all the volumes involved in the backup operation are either managed by a Hardware Provider that supports transportable snapshots or that all the volumes involved in the operation do not support transportable snapshots. Additionally you may also turn off the "Import VSS snapshots Only When Needed" feature to allow the backup to allow the mixture.

FMV9351E: Data was not available on server and was skipped.

Explanation

The data to be restored is not available on the server, so it will not be restored.

System action

The data is skipped, and the restore processing continues with the next object to be restored.

User response

Contact your IBM Storage Protect administrator.

FMV9352E: SAN was chosen as the transport for at least one of the disks in the operation, but the SAN policy is not OnlineAll for this datamover. SAN cannot be used unless the SAN policy is OnlineAll.

Explanation

SAN was chosen as the transport because either the default transport setting was used, or it was specified in the VMVSTORTRFMVPORT option. In order to use SAN as the transport mode, the SAN policy must be set to OnlineAll.

System action

Restore processing stops.

User response

Set the SAN policy to OnlineAll, or set VMVSTORTRFMVPORT to something other than SAN, such as NBD. Then try the restore operation again.

FMV9354E: The node or owner name '*node*' specified in the SET ACCESS command exceeds the maximum allowed length (64).

Explanation

An invalid node or owner name has been entered in the SET ACCESS command.

System action

Processing stops.

User response

Enter the SET ACCESS command using the correct node or owner name.

FMV9355E: VMware vStorage VI Web Service API reported error message: *vstor-api-msg*

Explanation

The VMware vStorage VI Web Service API reported an error with the specified message text.

System action

Processing stops.

User response

Check the dsmerror log file for additional information, and contact the IBM Storage Protect administrator with the information provided in this message.

FMV9356E: A VMware vStorage API error was reported.

Explanation

A VMware vStorage API was reported. See other messages displayed and logged for additional information about the problem.

System action

Processing stops.

User response

Check the dsmerror log file for additional information, and contact the IBM Storage Protect administrator with the information provided in this message.

FMV9357E: HOTADD was chosen as the transport for at least one of the disks in the operation, but the SAN policy is not OfflineAll for this datamover. HOTADD cannot be used unless the SAN policy is OfflineAll.

Explanation

HOTADD was chosen as the transport because either the default transport setting was used, or it was specified in the VMVSTORTRFMVPORT option. In order to use HOTADD as the transport mode, the SAN policy must be set to OfflineAll.

System action

Restore processing stops.

User response

Set the SAN policy to OfflineAll, or set VMVSTORTRFMVPORT to something other than HOTADD, such as NBD. Then try the restore operation again.

FMV9359W: *program-name: file-system:* high threshold *high-threshold* exceeds recommended maximum *max-threshold* maximum percentage.

Explanation

System performance can be impacted. There can be delays from waiting for demand migration.

System action

Processing continues.

User response

Set the migration high threshold lower than the file system capacity.

FMV9360W: *program-name: file-system:* configured *low-threshold* low threshold is below the recommended minimum *floor-percent* low threshold.

Explanation

IBM Storage Protect low threshold is not recommended to be less than the minimum space required by this file system and may result in endless attempts to find migration candidates. Usage of the file system may be higher than the recommended minimum of low threshold on GPFS and Veritas because these types of file system allocate some space for metadata.

System action

Processing continues.

User response

Set the migration low threshold higher than the recommended-minimum size of the file system.

FMV9361W: *program-name: file-system:* the configured *pre-mig* premigration is greater than the difference between the configured *low-threshold* low threshold and the recommended-minimum size of the file system *Min_size*.

Explanation

IBM Storage Protect premigration percentage below the low threshold may not leave sufficient space for the file system, and can result in endless attempts to find migration candidates. Usage of the file system may be higher than the recommended minimum of low threshold on GPFS and Veritas because these types of file system allocate some space for metadata.

System action

Processing continues.

User response

Lower the premigration setting.

FMV9362W: *program-name: file-system:MAXFILESmax-files* is less than *used inodes* used inodes in the file system. MAXFILES will be set to the minimum possible value.

Explanation

The specified MAXFILES value is below the number of files already existing in the file system. The value will be ignored, and CFI will default to the minimum possible size according to the number of currently used inodes.

System action

Processing continues.

User response

Increase the value of MAXFILES.

FMV9363W: *program-name: file-system:MAXFILESmax-files* is more than *files* total available inodes in the file system. MAXFILES will be set to the maximum possible value.

Explanation

The specified MAXFILES value is above the number of available inodes in the file system. The value will be ignored, and CFI will default to the maximum size that corresponds to the number of available inodes.

System action

Processing continues.

User response

Decrease the value of MAXFILES.

FMV9364E: Failure initializing virtual machine environment. Refer to dsmerror.log for detailed error messages.

Explanation

Failure initializing virtual machine environment. Refer to dsmerror.log for detailed error messages.

System action

The backup can not continue.

User response

Refer to dsmerror.log for detailed error message.

FMV9365E: VMware vStorage API error for virtual machine '*VM-name*'. IBM Storage Protect function name : *function-name* IBM Storage

Protect file : *file-name (line-number)* API return code : *TSM-rc* API error message : *function-desc*

Explanation

None.

System action

Processing stops.

User response

If virtual machine backup fails and the error message points to function ReadEnvironmentVariableInGuest(), verify the validity of guest virtual machine login credentials, update virtual machine login credentials on data mover if necessary. Contact the IBM Storage Protect administrator with the information provided in this message.

FMV9368W: WARNING: VMware Host Userid <hostuserid> read from pwd file different than VMCUSER option value <vmcuserid>. Using VMCUSER option value.

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV9369W: WARNING: VMware VirtualCenter or ESX Server User Password for VMC Host <host> VMC Userid <userid> set in options file.

Explanation

None.

System action

Processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV9370W: Use Preferences Editor or dsmc SET PASSWORD -type=VM 'VirtualCenter hostname' 'userid' 'password' to save encrypted password.

Explanation

The VMCPW option was found either in an option file or on the command line. While this method of entry is allowed, it presents a security risk because the password is in plain text and not encrypted.

System action

The option is accepted and the VMC password is used in the current session.

User response

To save the encrypted password, use the Preferences Editor VM Backup panel or the command: dsmc SET PASSWORD -type=VM 'VirtualCenter hostname' 'userid' 'password'

FMV9371I: *program-name: file-system*: The specified MAXFILES value is 0. The CFI size will be calculated automatically now.

Explanation

IBM Storage Protect The specified maxfiles value is 0, which means that the CFI size is managed automatically now.

System action

IBM Storage Protect continues.

User response

none.

FMV9372E: Unable to create the virtual machine to be restored due to an invalid host name, datacenter name, or datastore name.

Explanation

IBM Storage Protect was unable to create the virtual machine to be restored because an invalid host name, datacenter name, or datastore name was specified. Check the dsmmerror log file for information on the specific reason for the failure.

System action

Processing stops.

User response

Check the dsmmerror log file for additional information, and contact the IBM Storage Protect administrator with the information provided in this message.

FMV9373E: The backup of virtual machine '*vm-name*' stopped because the backup operation was not progressing.

Explanation

IBM Storage Protect detected a deadlock, which prevents the backup operation of the virtual machine to finish. The backup operation was cancelled.

System action

The backup of the virtual machine was cancelled.

User response

Retry the backup of the virtual machine. If the problem persists, contact IBM Software Support.

FMV9374E: VMware vStorage virtual storage driver service is not running or could not be found. Make sure VMware '*vstor2-mntapi20-shared.sys*' service is installed and running. Install the VMware vStorage API runtime files.

Explanation

Failure initializing VMware vStorage API environment.

System action

The backup can not continue.

User response

Make sure the VMware '*vstor2-mntapi20-shared.sys*' service is installed and running. Install the VMware vStorage API runtime files.

FMV9376E: The Backup VM command domain keyword '*domain-keyword*' was specified, but this domain does not contain any virtual machines. This error can also occur if the value for the VMHOST parameter is not specified as an IP address or as a fully qualified domain name.

Explanation

The command cannot complete because the virtual machine could not be found.

System action

Processing stops.

User response

Try the operation again. Ensure that the value for the VMHOST parameter is specified as an IP address or as a fully qualified domain name. The host name that you specify must match the host name as it is displayed in the

vCenter server in the Host and Clusters view. This could be the fully qualified host name (FQDN), the shortened domain name, or the host IP address.

FMV9377E: No virtual machine is specified on the *string* command or the virtual machine domain list could not be processed.

Explanation

No virtual machine found with name or specified in domain option.

System action

Processing stops.

User response

Specify a correct VM name or domain option.

FMV9378E: Unexpected error while fingerprinting the data

Explanation

There was an error while fingerprinting the data. See the error log for more information.

System action

The object is not backed up.

User response

Retry the operation. Retry the operation without client-side deduplication. If the problem persists, contact IBM Storage Protect technical support.

FMV9379E: Unexpected error while deduplicating the data

Explanation

There was an error while deduplicating the data. See the error log for more information.

System action

The object is not backed up.

User response

Retry the operation. Retry the operation without client-side deduplication. If the problem persists, contact IBM Storage Protect technical support.

FMV9380E: The virtual machine that was specified on the *string* command could not be found.

Explanation

The command cannot complete because the virtual machine could not be found.

System action

Processing stopped.

User response

Try the operation again. Specify a correct VM name or DOMAIN option. This error can also be caused by incorrect settings for the VMHOST, VMHOSTCLUSTER, VMFOLDER or VMDATASTORE options. The VMHOST option value must be specified as an IP address or as a server name that is in fully qualified domain name (FQDN) format. The host name that you specify must match the host name as it is displayed in the vCenter server in the Host and Clusters view. This could be the fully qualified host name (FQDN), the shortened domain name, or the host IP address.

FMV9381I: The value set for *vm~~l~~ist* option will be migrated to the new *domain* option.

Explanation

New option has been set.

System action

Processing continues.

User response

None.

FMV9383E: The required files for the virtual machine operations were not found. The files are installed only if the client is defined as a data mover in IBM Storage Protect for Virtual Environments.

Explanation

A failure occurred when initializing the virtual machine environment.

System action

The operation cannot continue.

User response

Install IBM Storage Protect for Virtual Environments package to use the client to back up virtual machines.

FMV9384W: Unable to get VMware Changed Block Tracking(CBT) data for virtual machine '*virtual machine name*'. Full VM backup continues, and includes both used and unused areas of the disk.

Explanation

IBM Storage Protect was unable to obtain Changed Block Tracking(CBT) data for the specified virtual machine. The backup continues, but instead of backing up just the used blocks (in the full VM backup case), or just the changed blocks (in the incremental VM backup case), the entire virtual machine is backed up. This backup includes both the used and unused blocks of the disk.

System action

The backup continues.

User response

See the error log dsmerror.log for information about why the changed block data is not obtained.

FMV9385W: Error returned from VMware vStorage API for virtual machine 'VM-name' in vSphere API function __ns2__QueryChangedDiskAreas. RC=API return code, Detail message: API message

Explanation

None.

System action

CBT processing stops.

User response

Contact the IBM Storage Protect administrator with the information provided in this message.

FMV9386W: Changed block tracking is not supported for virtual machine '*virtual machine name*'. A FULL backup of the disk will be performed and will include both used and unused areas of the disk.

Explanation

IBM Storage Protect was unable to obtain Changed Block Tracking(CBT) data for the specified virtual machine because changed block tracking is not supported. RDM disks in physical mode, virtual disks attached to shared virtual SCSI bus, and VMs with hardware version 6 or earlier are not supported. The backup continues, but instead of backing up just the used blocks (in the full VM backup case), or just the changed blocks (in the incremental VM backup case), the entire virtual machine is backed up. This backup includes both the used and unused blocks of the disk.

System action

The backup continues.

User response

See the error log dsmerror.log for information about why the changed block data is not obtained.

FMV9387W: An incremental backup for virtual machine '*virtual machine name*' is not possible because changed block information cannot be obtained. A full VM backup is attempted instead.

Explanation

Changed block information is required to perform an incremental backup, but the information could not be obtained from the virtual machine. The information can be missing if two nodes back up the same virtual machine. One node runs a daily incremental backup, and the other node runs a weekly full backup. After the weekly full backup runs, the next daily backup cannot obtain changed block information, so a full backup is run

instead of an incremental backup. Subsequent daily backups will be incremental until the next weekly full backup.

System action

The backup continues as a full backup instead of an incremental backup.

User response

Search the IBM Storage Protect support site https://www.ibm.com/mysupport/s/topic/0TO5000000IQWvGAO/storage-protect?language=en_US for this message number, for other possible causes of this error.

FMV9388E: The management class '*management class name*' specified for the '*option name*' option is invalid, or does not have a backup copy group.

Explanation

The management class name for the specified option does not exist, or it exists but does not have a valid backup copy group.

System action

Processing stops.

User response

Verify that the specified management class name is valid, and that it contains a valid backup copy group.

FMV9389W: The DEDUP backup attempt was unsuccessful for virtual machine '*virtual machine name*'. Retry *#retry attempt number* with DEDUP disabled.

Explanation

The attempt to backup the virtual machine with DEDUP enabled was unsuccessful. Instead of failing the backup right away, an attempt is being made to backup the virtual machine with DEDUP disabled.

System action

Processing continues with DEDUP disabled.

User response

Check the log files for messages as to why DEDUP failed. If future attempts to backup using DEDUP fail, contact your system administrator.

FMV9390W: The DEDUP backup attempt was unsuccessful for virtual machine '*virtual machine name*'. Retry *#retry attempt number* with DEDUP still enabled.

Explanation

The attempt to backup the virtual machine with DEDUP enabled was unsuccessful. Instead of failing the backup right away, an attempt is being made to retry the backup of the virtual machine with DEDUP still enabled.

System action

Processing continues with DEDUP still enabled.

User response

Check the log files for messages as to why DEDUP failed. If future attempts to backup using DEDUP fail, contact your system administrator.

FMV9391W: Linux guest OS with EFI Boot enabled is not fully supported by IBM Storage Protect VMware backup. Manual steps may be required following restore to enable the virtual machine to power on correctly.

Explanation

A restored Linux guest OS with EFI boot enabled may not successfully start. Manual steps are required to successfully boot the guest OS.

System action

Restore processing continues.

User response

Following guest OS restore: remove and reattach the guest Linux boot disk, select Guest Boot Option to enter EFI setup configuration on next boot, power on the guest, enter EFI Boot Maintenance, add Boot Device, select unnamed volume, give it a label, save and commit changes, continue with boot.

FMV9392W: No backupset name entered.

Explanation

You must provide a backupset for this operation.

System action

Processing stops.

User response

Specify a valid backupset name.

FMV9393W: Incorrect backupset name entered.

Explanation

The backupset name provided was invalid. Wildcards are not allowed.

System action

Processing stops.

User response

Specify a valid backupset name.

FMV9394W: No backupset file or device name entered.

Explanation

You must provide a backupset file or device name for this operation.

System action

Processing stops.

User response

Specify a valid backupset file or device name.

FMV9395E: The filespace has been migrated to the incremental forever model; MODE=FULL and MODE=INCR are not valid.

Explanation

You must run only incremental forever backup types (IFINCR or IFFULL) if the filespace has been migrated to the incremental forever type.

System action

Processing stops.

User response

Specify either MODE=IFFULL or MODE=IFINCR.

FMV9396W: Virtual machine 'VM' is not running. IBM Storage Protect Application Protection will not be used while backing up this VM.

Explanation

IBM Storage Protect Application Protection can only protect VMs that are running.

System action

IBM Storage Protect Application Protection uses the VMWare tools to provide application consistency.

User response

Turn on the virtual machine or exclude it from IBM Storage Protect application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine. If you want logs to be truncated use INCLUDE.VMTSMVSS to protect this machine.

FMV9397W: IBM Storage Protect application protection cannot protect this machine. Virtual machine 'VM' does not have operating system or applications supported by IBM Storage Protect application protection.

Explanation

The application protection can be used only for virtual machines that have operating systems or applications that are supported by IBM Storage Protect application protection. Refer to the product documentation for the list of supported operating systems and applications.

System action

IBM Storage Protect will use the VMware Tools to provide application consistency.

User response

Exclude the virtual machine from application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9398E: IBM Storage Protect application protection failed to initialize on virtual machine 'VM'. See the error log for more details.

Explanation

IBM Storage Protect application protection encountered an error during initialization.

System action

Processing stops.

User response

See the error log for more details. Correct the error(s) and try the operation again.

FMV9399W: *program-name*: lock file access error for operation *value* on path *value value* with errno text *value*.

Explanation

A lock file operation has failed.

System action

IBM Storage Protect logs the condition and continues processing, or exits if directory not found.

User response

Correct the configuration.

FMV9401E: *program-name*: Cannot kill recall daemon.

Explanation

IBM Storage Protect A request for killing the recall daemon failed. This may occur during node failover.

System action

none.

User response

Continue with normal operation unless further errors occur.

FMV9402E: *program-name*: Cannot notify *process name* to recover HSM operations on a failing node.

Explanation

In order to assume the functionality of a failing partner node, the dsmwatchd daemon must notify the local daemons.

System action

none.

User response

Communication cannot be established with the HSM daemon specified in this message. Check whether the target daemon is running. Start or restart the target daemon as appropriate. If the problem persists, restart the GPFS cluster.

FMV9403E: IBM Storage Protect has detected that the data to back up does not match the list of data to back up that was sent from the virtual machine. The backup of '*VM-Name*' cannot continue.

Explanation

The data that IBM Storage Protect would have backed up for a virtual machine would not match the data needed for a correct backup. The backup has been cancelled to prevent data loss.

System action

The backup is cancelled to prevent data loss.

User response

Retry the backup. If this error occurs again, contact IBM Software Support.

FMV9404E: Error creating the specified Virtual Machine. See log files for more information.

Explanation

An error was encountered creating the Virtual Machine. Look in the dsmerror.log for additional information on why the Virtual Machine could not be created.

System action

Processing stops.

User response

Check the dsmerror.log for more specific messages on why the virtual machine could not be created.

FMV9405I: *program-name*: The takeover of *filesystem* file system started.

Explanation

The local activation of the specified file system started successfully.

System action

IBM Storage Protect on the local node will try to activate the file system that is space managed on another node.

User response

None.

FMV9410W: VMware Tools are either not running or out-of-date on virtual machine 'VM'. IBM Storage Protect application protection cannot be used.

Explanation

IBM Storage Protect application protection requires that VMware tools are installed and running with an up-to-date version on the virtual machine.

System action

IBM Storage Protect will not provide application consistency. Application logs are not truncated.

User response

Install and/or upgrade and/or start VMware Tools on the virtual machine or exclude it from the application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9411E: VSS provider registration failed. Command '*command*' failed with Windows RC=*return code*

Explanation

IBM Storage Protect was unable to register the VSS provider on the virtual machine.

System action

Processing stops.

User response

Restart the virtual machine and try the operation again.

FMV9412E: *program-name*: Failover is disabled on the local machine. Aborting failover ...

Explanation

IBM Storage Protect Failover operations were disabled either by the system or the user.

System action

None.

User response

Check failover policy if necessary.

FMV9413E: The instant restore or instant access operation failed because these operations do not support virtual machines that are in virtual volume (VVOL) datastores.

Explanation

The instant restore and instant access operations do not support restores of virtual machines that are in VVOL datastores. VVOL datastores do not support Raw Device Mapping (RDM), which is required for these operations.

System action

The operation fails.

User response

For instant restore operations, specify a datastore and temporary datastore that is not a VVOL datastore. For instant access operations, specify a datastore that is not a VVOL datastore.

FMV9414E: Application protection is enabled for virtual machine '*VM-name*', however, this virtual machine resides on a Virtual Volume (VVol) datastore. Application protection needs to be disabled in order to back up this virtual machine.

Explanation

Application protection is not supported for virtual machines that reside on VVol datastores.

System action

The operation fails.

User response

Disable application protection by removing the include.vmtsmvss option from the options file and back up the virtual machine again.

FMV9415E: Failed to copy '*source*' to '*destination*' with VMware RC=*rc* on virtual machine '*guest VM name*'.

Explanation

IBM Storage Protect was unable to copy a file to the virtual machine.

System action

Processing stops.

User response

Verify that the source file exists and the destination is accessible. Restart the virtual machine and try the operation again.

FMV9416E: Cannot create the directory '*source*' on the virtual machine with Windows RC=*rc*

Explanation

IBM Storage Protect client was unable to create the specified directory on the virtual machine. It is possible that the directory exists and is locked by a process.

System action

Processing stops.

User response

Verify the the specified directory does not exist on the virtual machine. Restart the virtual machine and try the operation again.

FMV9417E: IBM Storage Protect application protection could not freeze the VSS writers on the virtual machine named 'VM'. See the error log for more details.

Explanation

IBM Storage Protect application protection encountered an error while freezing the VSS writers.

System action

Processing stops

User response

Use the '`vssadmin list writers`' command to determine if any VSS writers detect errors on the virtual machine. Restart the VM. Retry the operation. If the retry fails, see the error log for details about the errors.

FMV9422I: *program-name*: The rollback of *filesystem* file system started.

Explanation

The local activation of the specified file system started successfully.

System action

IBM Storage Protect on the local node will try to activate the file system that is space managed on another node.

User response

None.

FMV9428E: *program-name*: The takeover of *filesystem* file system failed to start.

Explanation

The local activation of the specified file system failed to start. Please, note that only file systems which are space managed on another node within the same cluster can be taken over. Additionally, the file system must be mounted locally.

System action

IBM Storage Protect will not take over the file system.

User response

Make sure the file system is mounted locally and managed with the IBM Storage Protect client for space management on another node within the same cluster and retry the operation.

FMV9431E: IBM Storage Protect application protection failed to thaw VSS writers on virtual machine 'VM'. See the IBM Storage Protect error log for more details.

Explanation

IBM Storage Protect application protection encountered an error while thawing VSS writers.

System action

Processing stops

User response

See the error log for more details. Verify that all VSS writers are not reporting errors by running command 'vssadmin list writers'. Restart the virtual machine and try the operation again. If the retry fails, see the error log for details about the errors.

FMV9432W: IBM Storage Protect application protection failed to truncate application logs on virtual machine 'VM'.

Explanation

IBM Storage Protect application protection encountered an error while completing VSS backup operation. The applications were successfully quiesced, but their logs were not truncated.

System action

Application logs are not truncated.

User response

See the error log for more details. Verify that all VSS writers are not reporting errors by running command '**vssadmin list writers**'. Restart the virtual machine and try the operation again. If the retry fails, see the error log for details about the errors. On the guest VM, verify that a mounted volume is not online. Use the Recovery Agent to dismount and remove any existing mount directories. Then, try the backup operation again.

FMV9433E: *program-name*: dm_send_msg failed with errno *Errno*.

Explanation

Unable to execute DMApi call.

System action

Aborting operation.

User response

Check consistency of the GPFS daemon.

FMV9443E: *program-name*: The operation cannot be executed in a deactivated failover environment.

Explanation

The operation relies on an active failover environment.

System action

Aborting operation.

User response

Run `dsmmigfs enableFailover` on the local node and repeat the operation.

FMV9450W: *program-name*: No eligible filesystem for takeover.

Explanation

None of the locally mounted GPFS filesystems matches with the remotely managed filesystems of the failure node.

System action

Aborting takeover operation.

User response

Check that the filesystems of the remote failure node get managed elsewhere within the node set.

FMV9451E: *program-name*: GPFS or the SP switch is down locally. Aborting takeover activities ...

Explanation

IBM Storage Protect GPFS is not functional locally.

System action

Aborting takeover operation.

User response

Check switch and VSD status. The local system must be unfenced.

FMV9452E: *program-name*: The DMApi is not functional locally. Aborting takeover activities ...

Explanation

The operation stopped because the DMApi interface is not accessible.

System action

Aborting takeover operation.

User response

Check GPFS status.

FMV9453E: *program-name*: Could not determine the GPFS storage pool id for file '*file-path*'. Reason: *reason*

Explanation

The processed file does not exist or is located on a file system without storage pool support.

System action

The requested operation stops.

User response

Please check the input parameters and if DMAPI is enabled on the file system.

FMV9457E: *program-name*: Could not determine the storage pools of file system '*file-system*'. Reason: *reason*

Explanation

The specified file system is not a GPFS file system or has an old GPFS version.

System action

The requested operation stops.

User response

Please update to a supported version of GPFS.

FMV9459E: Using the specifiedMAXCANDIDATESparameter would produce an out-of-space condition in the parent filesystem of /etc/adsm/SpaceMan/candidatesPool. Based on the current free space situation the maximum value for theMAXCANDIDATESparameter is *value*.

Explanation

The automigration candidate pools for the selected filesystem requireMAXCANDIDATESper 10 KB plus a safety buffer of 5 MB of memory under /etc/adsm/SpaceMan/candidatesPool , which exceeds the available space.

System action

IBM Storage Protect Abort operation.

User response

Increase the filesystem size or choose a smaller value for theMAXCANDIDATESparameter. You may also create a dedicated filesystem with sufficient space for the migration pools under /etc/adsm/SpaceMan/candidatesPool. Kill the dsmscout processes after performing this option.

FMV9462E: Failover functionality is not supported with this HSM release.

Explanation

The IBM Storage Protect user ran **dsmmigfs** with the failover flag on an unsupported platform.

System action

IBM Storage Protect ends the operation.

User response

None.

FMV9469E: Warning! Unable to write a complete migration candidate list due to low space in the parent filesystem of *name*.

Explanation

IBM Storage Protect Low space in filesystem which stores the migration candidates files.

System action

IBM Storage Protect The executable writes a partial migration candidates list.

User response

Increase the filesystem size or create a dedicated filesystem with sufficient size under the given path.

FMV9474E: *program-name*: Lost my session with errno: *errno* . Trying to recover.

Explanation

The DMAPI session is not valid.

System action

Trying to recover session.

User response

Check the failure node. You might have to recover the local GPFS daemon.

FMV9475W: IBM Storage Protect application protection failed to cleanup after a VSS backup on virtual machine *VM*.

Explanation

IBM Storage Protect application protection encountered an error while cleaning up after a VSS backup operation.

System action

None

User response

See the error log for more details. Restart the virtual machine and try the operation again. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9476I: *program-name*: Recovered my DM session *sid*.

Explanation

DMAPI session is recovered.

System action

This message is for informational purposes only.

User response

No action is required.

FMV9480E: *program-name*: The rollback of *filesystem* file system failed to start.

Explanation

The local activation of the specified file system failed to start. Please, note that a rollback can only be performed after the space management of the file system was moved from the local node to another node during failover. Additionally, the file system must be mounted locally.

System action

IBM Storage Protect will not roll back the file system.

User response

Make sure the file system is mounted locally and managed with the IBM Storage Protect client for space management on another node within the same cluster and retry the operation.

FMV9487W: *program-name*: cannot query the right on session *session* for file handle = *filehandle* token = *token*. Reason : *error*

Explanation

The Space Management cannot query the right on a file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9488E: Java Runtime Environment (JRE) was not found. File VM does not exist.

Explanation

JRE was not found in the IBM Storage Protect installation directory.

System action

Processing stops

User response

Re-install the product or install a required version of JRE and try again. If JRE is already installed on your machine, then make sure the PATH environment variable contains path to javaw.exe.

FMV9489E: Java Runtime Environment (JRE) was not found.

Explanation

JRE was not found.

System action

Processing stops

User response

If you have already installed JRE, please verify that the "\"java\" executable is set in the system PATH, otherwise install the required JRE version.

FMV9490E: Cannot find httpagent.jar in the IBM Storage Protect client installation directory.

Explanation

The required file was not found.

System action

Processing stops

User response

Re-install the product or install a required version of JRE and try again.

FMV9491E: The password credentials for virtual machine '*guest VM name*' could not be found. Use dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password' to save encrypted password.

Explanation

The required password was not found.

System action

Processing stops

User response

Use `dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password'` to save encrypted password. And then retry the 'backup vm' operation.

FMV9492E: Destination size is not equal to source

Explanation

The space allocation for the selected destination is not the same as the source.

System action

The restore operation is not performed.

User response

Choose a different destination which is equal in size to the source.

FMV9493E: The credentials found for virtual machine '*guest VM name*' are incorrect. Verify the credentials and use `dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password'` to update the username and password.

Explanation

The supplied credentials are incorrect. Failed to authenticate to guest VM using these credentials.

System action

Processing stops

User response

Use `dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password'` to update the username and password. And then retry the 'backup vm' operation.

FMV9494E: Command '*command*' completed with RC=*return code* on virtual machine '*guest VM name*'.

Explanation

A remote command either timed out or failed.

System action

Processing stops

User response

Increase the value of VMTIMEOUT option and try the operation again.

FMV9495E: Failed to login to virtual machine '*guest VM name*' because the VMware Tools are not running in the guest machine. Verify that the VMware tools are running and that no other program has access or is making any changes to this VM.

Explanation

Failed to login to virtual machine because the VMware Tools are not running in the guest machine.

System action

Processing stops

User response

Make sure that the VMware tools are running and that no other program has access or is making changes to this VM. And then retry the 'backup vm' operation.

FMV9496E: Unable to lock virtual machine *VM* for application protection.

Explanation

The virtual machine is being backed up by another process. Only one process is allowed to use IBM Storage Protect application protection during a backup of a virtual machine at a time.

System action

Processing stops

User response

There is already another virtual machine backup in process via another datamover. Please wait for the other virtual machine backup to complete and re-try the operation. Or there was a crash or CTRL+C during the previous virtual machine backup. Please wait 10 minutes and re-try the operation.

FMV9497W: Virtual machine '*VM*' resides on an ESX Server or vCenter that is not supported by IBM Storage Protect application protection. IBM Storage Protect application protection will not be used.

Explanation

Refer to the product documentation for the list of supported ESX and vCenter versions.

System action

IBM Storage Protect will use the VMware Tools to provide application consistency.

User response

Exclude the virtual machine from application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9498W: A valid IBM Storage Protect for Virtual Environments license file (*license-file*) cannot be located. IBM Storage Protect application protection will not be used.

Explanation

The license file was not found, or cannot be opened because of permissions, or the file is corrupted.

System action

IBM Storage Protect will use the VMware Tools to provide application consistency.

User response

Check permissions on file. See if the license file is in the correct place.

FMV9499W: VMware tools on virtual machine 'VM' need to be updated. IBM Storage Protect application protection will still be used.

Explanation

IBM Storage Protect application protection requires that VMware Tools are up to date.

System action

IBM Storage Protect will use the VMware Tools to provide application consistency.

User response

Update VMware Tools on the virtual machine

FMV9500W: *program-name*: cannot disposition the mount event. Reason: *error*

Explanation

The system wide mount event could not be dispositioned. Mount events will not be received by this daemon.

System action

Processing continues.

User response

Try to resolve the problem and restart the recall daemon. If the problem cannot be resolved immediately, kill and restart the recall daemon after an Space Management supported file system has been added using dsmmigfs or after a file system has been mounted using the mount command.

FMV9501W: *program-name*: cannot set event disposition on session *session* for file system *mountdir* token = *token*. Reason : *error*

Explanation

Events could not be dispositioned on the file system. No events will be received for this filesystem. HSM is not enabled for this file system.

System action

Processing continues.

User response

The file system must be one of the supported native file systems in order for the Space Management to support it. Verify that the mount options the file system are correct. Correct the problem and remount the file system.

FMV9502W: *program-name*: cannot remove event disposition on session *session* for file system *mountdir* token = *token*. Reason : *error*

Explanation

Event dispositions could not be removed from the file system.

System action

Processing continues.

User response

Verify that the file system is mounted and that dmapi is enabled on that file system. If the problem persists, unmount and remount the file system, then try the operation again. If the problem still persists, reboot the system.

FMV9503I: *program-name*: events have been set and dispositioned on session *session* for file system *filesystem-name*

Explanation

Setting events and dispositioning these on a DM session enables the file system for Space Management support.

System action

Processing continues.

User response

Continue with normal operation.

FMV9504W: *program-name*: The file system *filesystem-name* is not mounted or is mounted with wrong options.

Explanation

Either the file system is not mounted or it has been mounted with incorrect options.

System action

IBM Storage Protect continues.

User response

Mount the file system or remount it with corrected mount options.

**FMV9505E: *program-name*: cannot initialize the DMAPI interface.
Reason: *error***

Explanation

IBM Storage Protect client failed to perform implementation-defined initialization of the DMAPI interface.

System action

The dm_init_service() function failed.

User response

If you are running IBM Storage Protect as a non-root user and you have IBM Storage Protect Space Management client installed, make sure that the **dsmsrootd** daemon is up and running, then retry the operation. If you don't have the Space Management client installed, retry the operation under the root user authority.

FMV9506E: *program-name*: The provided filespace argument '*argument*' has an invalid format.

Explanation

Occurs if you are on a GPFS file system and the file system parameter was not in the correct format.

System action

The requested operation stops.

User response

See the dsmautomig documentation for the correct syntax.

FMV9507E: *program-name*: cannot request the right on session *session* for file handle *filehandle* token = *token*. Reason : *error*

Explanation

Space Management cannot request the required right on a file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9508W: *program-name*: cannot release the right on session *session* for file handle = *filehandle* token = *token*. Reason : *error*

Explanation

Space Management cannot release the right on a file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9509W: *program-name*: received an unexpected event of type *event-type* on session *session*.

Explanation

The Space Management daemon received an unexpected event. This event has not been dispositioned.

System action

IBM Storage Protect ignores event and continues.

User response

Continue with normal operation.

FMV9510E: *program-name*: cannot get event messages from session *session*, expected max message-length = *msglen*, returned message-length = *return-length*. Reason : *error*

Explanation

Space Management encountered an error while trying to receive a message on a DM session.

System action

Processing continues.

User response

Continue with normal operation.

FMV9511E: *program-name*: cannot read DM attributes on session *session* for file: name = *name* handle = *handle* token = *token*. Reason : *error*

Explanation

Space Management cannot read the DM attributes of a DM object, usually a file. If the file name is not available, it will be displayed as an empty string or as <NA>.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9512E: *program-name*: cannot set DM attributes on session *session* for file handle = *filehandle* token = *token*. Reason : *error*

Explanation

Space Management cannot set DM attributes for a DM object, usually a file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9513E: *program-name*: cannot remove DM attributes on session *session* for file handle = *filehandle* token = *token*. Reason : *error*

Explanation

Space Management cannot remove DM attributes for a DM object, usually a file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9514E: *program-name*: cannot create a file handle from *path*. Reason: *error*

Explanation

Space Management cannot create a file handle from the given file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

**FMV9515E: *program-name*: cannot set the migration information.
Reason: *error***

Explanation

Space Management cannot set the migration information of a file, because Space Management cannot create a file handle from the file or from the file system.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

**FMV9516E: *program-name*: cannot create an user event message on
session *session*. Reason: *error***

Explanation

Space Management cannot create an user event message, needed to reference rights on a file to be processed.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

**FMV9518E: *program-name*: cannot respond to an event message on
session *session* using token *token* Reason : *error***

Explanation

An event message could not be responded to (returned to the system).

System action

Space Management continues.

User response

If a user process is unexpectedly blocked and cannot be killed, see your system administrator.

FMV9519W: *program-name*: cannot set eventlist for a file system on session *session* token = *token* fs-handle = *fs-handle*. Reason : *error*

Explanation

An eventlist could not be set on a file system. None of the events will be generated by the system on this file system.

System action

Space Management continues.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9520E: *program-name*: cannot set a managed region on session *session* for file handle = *filehandle* token = *token*. Reason : *error*

Explanation

A managed region could not be set on a file. No events will be generated for this file.

System action

Processing of the file is interrupted.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9521E: *program-name*: cannot get the file attributes on session *session* for file handle = *handle* token = *token*. Reason : *error*

Explanation

Space Management cannot read the attributes of a file.

System action

Processing of the file is interrupted.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9522E: *program-name*: can not create a file system handle from *path*. Reason: *error*

Explanation

The program can not create a file system handle from the file system name. If Reason is Operation not permitted, the dmapl functionality may be disabled for the file system.

System action

Processing of the file system is interrupted.

User response

If Reason is Operation not permitted, enable dmapl functionality for the file system and retry.

FMV9523E: *program-name*: is unable to verify the stub size for the file on session *session* file handle = *filehandle* token = *token*. Reason : *error*

Explanation

A correct stub size could not be determined by the system.

System action

The system stops migration of the file.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapl enabled. If the problem still persists, restart the system.

FMV9524W: *program-name*: adjusted stubsize to an allowed value on session *session* file handle = *filehandle* token = *token* old stubsize = *old-size* new stubsize = *new-size*

Explanation

The predefined stubsize for the file should be corrected to accommodate to the boundary and rounding constraints imposed by the DMAPI implementation. Space Management can also change the stubsize during migration if the predefined stubsize value is larger than the logical file size.

System action

Space Management continues.

User response

Continue with normal operation.

FMV9525E: *program-name*: is unable to create a stub file on session *session* for file handle = *handle* token = *token*. Reason : *error*

Explanation

An error occurred while creating a stub file.

System action

Processing of the file is interrupted.

User response

Continue with normal operation.

FMV9526E: *program-name*: cannot open the state file *filename* for writing. Reason: *error*

Explanation

The global or file system state file could not be opened.

System action

Processing stops.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9527E: *program-name*: cannot write to the state file *filename*. Reason: *error*

Explanation

Space Management could not write to the state file.

System action

Processing stops.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9528W: *program-name*: cannot read from the state file *filename*. . The file is corrupted and will be recreated.

Explanation

Space Management could not read from the state file.

System action

Processing stops.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9529W: *program-name*: cannot obtain the handle of a file system state file

Explanation

IBM Storage Protect space management could not find the handle of a file system state file that is stored in the global state file. This can occur if either space management is querying a file system that has no HSM support added, or the file system state file is corrupted, or the global state file is corrupted.

System action

IBM Storage Protect continues or stops processing, depending on the situation.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9530W: *program-name*: cannot remove an entry for *file-system* from the global state file.

Explanation

The entry for the file system in the dmiFSGlobalState file cannot be removed. Possible reasons:

- There is not enough memory to create temporary file name for temporary file system table.
- There is not enough free space or inodes to create temporary file system table
- The real or temporary file system table files cannot be opened.

System action

IBM Storage Protect does not remove the entry from the global state file.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9531E: *program-name*: cannot create a DM session: old session = *oldsession* session info = *session-info*. Reason : *error*

Explanation

Space Management could not create a DM session.

System action

Processing stops.

User response

Try the operation again. If the problem persists restart the system.

FMV9532W: *program-name*: cannot destroy the session *session*. Reason: *error*

Explanation

Space Management could not destroy a DM session.

System action

Processing continues.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9533W: *program-name*: failed getting all sessions. Reason: *error*

Explanation

Space management could not get all DM sessions on the system.

System action

Processing stopped.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9534W: *program-name*: cannot find existing DMAPI session for the program. Reason: *error*

Explanation

The Space Management program cannot find a previously used DMAPI session on the system

System action

The Space Management program will open a new DMAPI session

User response

Continue with normal operation if a new DMAPI session can be created. Issue error if a new DMAPI session cannot be created.

FMV9535E: *program-name*: a file handle could not be created from the file descriptor *file-descriptor*. Reason: *error*

Explanation

Space management could not create a file handle.

System action

Processing of the file is interrupted.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9536E: *program-name*: cannot query an event message on session *session*. Reason: *error*

Explanation

The space management recall service was not able to identify whether a recall request was initiated from the NFS daemon.

System action

Processing of the file is interrupted.

User response

Verify the NFS daemon is properly running and retry the recall operation.

FMV9537E: *program-name*: Invalid storage pool '*storagepool*' for file system '*filesystem*'.

Explanation

No storage pool with that name exists on the specified file system.

System action

The requested operation stops.

User response

Please make sure the storage pool exists on the specified file system.

FMV9538W: *program-name*: request *request* for DM file attributes not recognized

Explanation

An unknown request type has been encountered that cannot be handled.

System action

Processing continues.

User response

Continue with normal operation.

FMV9539E: *program-name*: cannot create a file system handle from the file handle = *filehandle*. Reason : *error*

Explanation

A file system handle could not be created from a file handle.

System action

Processing continues.

User response

Continue with normal operation.

**FMV9542E: *program-name*: the file attributes could not be set on session *session* for file handle = *filehandle* token = *token* flag = *flag*
Reason : *error***

Explanation

Space management could not update file attributes.

System action

Processing of the file is interrupted.

User response

Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9543W: *program-name*: The IBM Storage Protect client needs *blocks-num1* free file system blocks to be able to handle the nospace condition on file system *filesystem-name*, errno: *error-num*, reason: *error-str*. Currently *blocks-num2* blocks with a block size of *block-size* bytes are available.

Explanation

Either the client is not able to get status information for the file system or there is insufficient space in the file system. The message reports zero blocks if the file system status information is not available.

System action

Processing continues.

User response

If there is insufficient space in the file system, free the required space or increase the file system capacity. If this is due to an input output error, perform an appropriate file system check (e.g. **fsck**). Then try the operation again.

FMV9545E: *program-name*: cannot get a lock for *lockdirlockfile* to continue processing.

Explanation

Space management could not obtain a lock for a file.

System action

processing stops.

User response

Try the operation again. If problem persists, restart HSM. If problem still persists, restart the system.

FMV9546E: IBM Storage Protect cannot perform instant restore because Microsoft Active Directory Domain Controller was detected on virtual machine.

Explanation

The virtual machine contains Microsoft Active Directory Domain Controller. It cannot be recovered using instant restore.

System action

Processing stops.

User response

Use a regular restore to recover the virtual machine.

FMV9548W: Cannot complete remote file access for inode:'*inode number*', alias:'*file name*'.

Explanation

Space management cannot complete the remote file access. The file may be migrated to an IBM Storage Protect migration server that could be temporarily unavailable. The file may be an orphan stub.

System action

Process terminates the current operation.

User response

Check to see whether the server has been disabled by the system administrator, then retry the operation. To check whether the file is an orphan stub or not, run **ds mreconcile** for the affected file system. Note: the file alias may be displayed as 'unavailable' if the connection to server is unavailable or 'orphan' if the appropriate file copy cannot be located on a particular migration server.

FMV9550W: File recall has been discontinued.

Explanation

Recall stops because the file being recalled would cause the file system to run out of space.

System action

Process terminates the current operation.

User response

Increase the file system space, or remove unneeded files, or wait until space management has migrated files off the file system by demand or threshold migration, or manually migrate files. Then retry the operation.

FMV9552E: *program-name*: cannot add space management to *file-system*; path includes non-local file system.

Explanation

An attempt was made to add space management to a file system whose path contains non-local elements.

System action

Processing stopped.

User response

File system must be entirely local.

FMV9554E: *program-name*: command for file system *mountdir* Reason : *error*

Explanation

An attempt to enable or disable xdsapi functionality on the file system failed. If the attempt was to enable HSM, then HSM is not enabled for this file system.

System action

Processing continues.

User response

The file system must be of type JFS2 in order for the Space Management to successfully set the managed attribute. Verify that the file system is of the correct type.

FMV9556E: Number of CTL files on disk (*number of CTLs on disk*) do not match the expected value (*number of CTLs in cache*).

Explanation

The number of CTLs files counted in VCM lib cache should be equal to that in the local disks.

System action

Processing is aborted.

User response

None.

FMV9576E: Not enough space in filesystem to create meta data file!At least *space* space required!

Explanation

A disk full error occurred attempting to create the metadata file. Please migrate some files in filesystem to free at least *space* kb.

System action

Processing stops.

User response

None.

FMV9577E: An exception "*msg*"!Unable to use meta file!

Explanation

An internal error occurred. The dsmscout is unable to use the meta data file!

System action

Processing stops.

User response

None.

FMV9578E: An unknown error occurred!

Explanation

An internal error has occurred. The dsmscout is unable to use the meta data file! The file has been deleted. A new meta data file will be created.

System action

Processing stops.

User response

None.

FMV9590E: The SOAP error information: *message* failed, reason: *message*

Explanation

The detailed SOAP error message is created from gSOAP communication module and does not exist in the chosen language!

System action

Processing continues.

User response

Verify your system and retry the operation.

FMV9591E: A SOAP UDP connection error has happened!

Explanation

The SOAP communication system had an UDP error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9592E: A SOAP TCP connection error has happened!

Explanation

The SOAP communication system had an TCP error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9593E: A SOAP HTTP communication error has happened!

Explanation

The SOAP communication system had an HTTP error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9594E: An internal SOAP error has happend!**Explanation**

The SOAP communication system had an internal error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9595E: The SOAP communication system is out of memory!**Explanation**

The SOAP communication system had an memory error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9596E: The SOAP communication ended unexpected!**Explanation**

The SOAP communication system had an EOF error. Please see errorlog file for more detailed information!

System action

Processing ends.

User response

None.

FMV9613E: *program-name*: Stub size of *stubs* bytes is not supported on *filesystem*.**Explanation**

The given stub size value not a multiple of the file system block size and cannot be supported.

System action

The program aborts the operation.

User response

Use a correct stub size.

FMV9616E: *program-name*: cannot get migration information for *migrated-file-alias* on *file-system-name*

Explanation

Space management cannot access the specified file system object using the system DMAPI functions. This condition might occur if DMAPI support is not enabled for the file system, or if there is an inconsistency in the file system. This message is typically preceded by other messages that have more specific information about the error.

System action

Processing of the file is interrupted. Processing continues with the next file.

User response

Review `dsmeerror.log` for preceding messages that might have more specific information about the error. Verify that the file system is consistent and mounted with DMAPI support enabled. Then retry the operation. If the problem persists, contact IBM Storage Protect technical support for further assistance.

FMV9618W: The mount point of HSM managed file system has been changed from '*old mount point*' to '*new mount point*'.

Explanation

The mount event of HSM managed file system on a different mount point has been received.

System action

The `dsmrecalld` master process is going to proceed with mounting of the HSM managed file system.

User response

Ensure that the HSM file space is renamed on the IBM Storage Protect server in accordance with the new HSM managed file system mount point. Otherwise, a subsequent reconciliation job will report all previously migrated files (if any) as orphans.

FMV9645W: The vApps backup operation completed. However, one or more vApp backups failed.

Explanation

There were successful vApp backups but there were backup failures as well. The operation is considered successful.

System action

The backup operation completed successfully.

User response

Check the console output and error logs for information about why the backups failed. Correct any issues and try backing up the failed vApps again.

FMV9669W: *program-name: file-system* CFI is out of range.

Explanation

IBM Storage Protect CFI is out of range on the specified file system. The scout daemon could not insert a new file entry into the CFI during the file system scan. As a result, it may not provide enough candidates for the next automigration.

System action

Processing continues.

User response

Please, reconsider the MAXFILES option setting for the file system. The CFI size should likely be increased via 'dsmmigfs update /fs -MAXFiles=n' command.

FMV9674W: One or more of the required vApps could not be retrieved.

Explanation

Not all of the vApps that were required by the given specification could be retrieved. This can be caused by a change in the vCD vApps definition or a user mistake in the provided vApp spec.

System action

The operation will proceed, as there are still existing items to operate on.

User response

Check the provided vApps specification to make sure the specification matches the existing configuration. Correct any issues and try the operation again.

FMV9733E: File: *File-name* excluded by the Include/Exclude list

Explanation

You tried to back up the named *file-name* that was specified to be excluded from backup.

System action

IBM Storage Protect did not back up the file.

User response

Specify the file using the Include option and retry the operation.

FMV9778E: Error(s) were detected in options file: " Do you want IBM Storage Protect to comment out the line with errors and continue?

Explanation

Invalid options or option values were encountered while reading the options file.

System action

This message is displayed. Further action depends on your response.

User response

Click "Yes" to allow the process to turn the invalid line into comments. If you click "No", you will exit immediately.

FMV9779E: Unable to open options file " for writing.

Explanation

An error occurred while tried to open options file for writing to update it.

System action

Program exits.

User response

Check file and directory access permissions or correct invalid entries in your options file manually.

FMV9782S: The selected backupset was generated by a newer version of the backup server, and the new backupset version is not supported by this client; The backupset data cannot be restored by this version of the client.

Explanation

The backupset you are attempting to restore was generated by a newer server that has a different level of functionality. The client you are using does not recognize this newer format so it cannot restore the data from the backupset.

System action

Processing stopped.

User response

Restore the backupset with a client that is at the same or higher level as the server that was used to generate the backupset.

FMV9806W: The file system type is not supported.

Explanation

The file system is not a type supported by space management.

System action

Unable to add space management to the file system.

User response

There is a mismatch between the HSM client and the file system type specified. If the file system type is consistent with the intent, install an HSM client that supports it, then try the operation again. Only one HSM client can be installed at a time.

FMV9807W: The specified backupset file does not contain a backupset of type "file" for the specified nodename.

Explanation

Local backupset support is limited to backupsets that contain file data; Image backupsets are not supported locally. The specified backupset does not contain a backupset with file data for the node name specified.

System action

Processing stopped.

User response

Specify a different backupset file to restore file data from a backupset. To restore an image from a backupset, access the backupset from a IBM Storage Protect server.

FMV9827W: Error accessing the Recall daemon lock file: *file name*.

Explanation

There is a problem accessing the recall daemon lock file.

System action

Unable to determine if the recall daemon is running. Because the recall daemon is needed to perform file recalls, the recall fails.

User response

Check with the system administrator. The recall process needs read access to the /etc/adsm/SpaceMan/dsmrecalld.pid file.

FMV9828W: File: *file-name* is skipped for migration: The file is either AFM uncached or dirty.

Explanation

If using GPFS Active file management, the file could either be uncached or dirty. Uncached (no file data available in cache. Access would cause replication from home) Dirty (changed file data in cache. No valid replication in home)

System action

The file is skipped from processing.

User response

Uncached (fetch the file from home to cache and rerun the processing) Dirty (replicate the file from cache to home and rerun the processing)

FMV9829W: Recall daemon is not running.

Explanation

The recall daemon is not running.

System action

IBM Storage Protect recall fails.

User response

Ask the system administrator to start a recall daemon by issuing the `dsmrecalld` command.

FMV9842E: The watch daemon is not running properly.**Explanation**

The watch daemon is either not running, has no dmapi session, or is not connected to group services.

System action

The IBM Storage Protect action fails.

User response

Ask the system administrator to check GPFS, the group services, and to restart a watch daemon by issuing the `dsmwatchd` command.

FMV9845E: Space management action ends.**Explanation**

The requested space management operation is ended because the watch daemon is not working properly.

System action

Processing Ends.

User response

Look for previous messages.

FMV9849W: Local backupset cannot be expanded; Only full backupset restore is supported locally.**Explanation**

Local backupsets cannot be expanded to show volumes, directories, and files. Only full backupset restore is supported from local backupsets.

System action

Processing stopped.

User response

To restore specific volumes, directories, and files from a backupset, restore the backupset from the IBM Storage Protect server.

FMV9850E: Tape read error; Max Blocksize is *blocksize*. Attempted to read blocksize *blocksize*. Run dsmmxsg to update scsi driver max blocksize allowed and retry operation.

Explanation

An attempt to read from tape at the specified blocksize failed; The maximum blocksize allowed for the scsi driver is shown.

System action

Processing stopped.

User response

If the maximum blocksize is less than the blocksize used by the operation, run the dsmmxsg utility to update the maximum blocksize allowed for the scsi driver, and then retry the operation. If the maximum blocksize is greater than or equal to the blocksize used, then verify that the tape installed and operating correctly and retry the operation.

**FMV9857W: The restored HSM for Windows stub file may be an orphan:
*stub file name***

Explanation

The restored stub file may not be accessible in the HSM client archive and thus it possibly cannot be recalled.

System action

Stub file is restored.

User response

Check if the stub file can be accessed.

FMV9858E: The backup-archive operation did not run. The backup-archive operation involves stub files that were migrated with the HSM for Windows client. The installed HSM for Windows client version *version.release.level* is incompatible with installed backup-archive client version *version.release.level*.

Explanation

The backup-archive client uses the HSM for Windows client for backup-archive operations that involve migrated files. The HSM for Windows client and the backup-archive client must be at the same PTF level.

System action

The backup-archive operation does not run for any files. Migrated files and resident files are not processed.

User response

Uninstall the current HSM for Windows client and install an HSM for Windows client at the same PTF level as the backup-archive client.

FMV9890W: *program-name*: The file system *filesystem* is already owned by that node.

Explanation

The file system is already owned by that node..

System action

None.

User response

None.

FMV9892E: Unable to find snapshot(s) in the local repository.

Explanation

The requested volume snapshot(s) were not found in the local repository.

System action

Processing stops.

User response

Ensure the operation is issued with the proper nodename and/or server address. In a non-cluster environment perform the operation from a different host with the expected hostname. Retry the operation.

FMV9895W: Space management in file system *file system* is not active.

Explanation

You tried to select a file in a file system for which space management is inactive.

System action

The process continues with normal operation.

User response

Reactivate space management for the file system, and then proceed with selecting files.

FMV9910E: The stream of data to backup guest *vm name* was sent in the wrong order. The backup cannot continue.

Explanation

The backup verification system detected the stream of data of the virtual machine was being sent to the server in the wrong order. The backup has ended to prevent data loss.

System action

The backup operation for this VM ends.

User response

Try the backup again. If the error persists, contact IBM Software Support.

FMV9911E: The backup verification system detected that some data was not sent during the backup of virtual machine *vm_name*. The backup has been halted.

Explanation

The backup verification system detected that some data on one of the objects sent to the server is missing. The backup has been halted to prevent data loss.

System action

The backup operation for this virtual machine ends.

User response

Try the backup again. If the error persists, contact IBM Software Support.

FMV9912E: An error occurred when attempting to create a VMware vSphere Virtual Volume (VVol) object. This could be the result of an incompatibility between the virtual machine and the datastore or insufficient available storage space.

Explanation

An error occurred when attempting to create an object in a VVol datastore.

System action

The operation fails.

User response

Specify a different destination datastore and retry the operation.

FMV9913W: The VM backup operation that uses SAN transport mode failed.

Explanation

This issue typically occurs when the data mover that specifies the SAN transport mode does not have SAN access to the VMware datastore.

System action

The operation fails.

User response

Specify a different transport mode and retry the operation.

FMV9914W: The VM backup operation may fail because SAN transport mode is not supported for vVol datastores.

Explanation

The data mover specifies the SAN transport mode. This transport mode is not supported in an environment that contains VMware Virtual Volume (Vvol) datastores.

System action

The operation fails.

User response

Specify a different transport mode and retry the operation.

FMV9915E: The guest *vm name* is missing expected data files from the previous backups. The backup operation continues based on the setting of the VMVERIFYAction option.

Explanation

During the verify operation, the number of data files that were found on the server are insufficient to match the requirements of the control files.

System action

The backup operation for this VM continues based on the setting of the VMVERIFYIFAction option.

User response

Run a full VM backup for this virtual machine. Or, specify the VMVERIFYAction option to force a full VM backup.

FMV9916I: VMCUSER does not have one or more required vSphere privileges to create/update/cancel Tasks in vSphere related to this operation. The operation will continue.

Explanation

VMCUSER does not have one or more required vSphere privileges to create/update/cancel Tasks related to this operation. This is informational only and does not affect the Backup/Restore operation.

System action

A Task related to this operation may not show up in the vSphere Client due to missing privileges. The operation will continue.

User response

The vSphere Task provides additional information about IBM Storage Protect initiated VM Backup/Restore operations including progress as well as the ability to cancel these tasks from the vSphere Client. Please refer to

the 'VMware vCenter Server user privilege requirements' section of the 'IBM Storage Protect IBM Storage Protect for Virtual Environments: Data Protection for VMware User's Guide.'

FMV9917E: Size estimates that correspond to the expected control files for *vm name* do not match.

Explanation

During the verify operation, the control files that were found on the server do not match the expected size estimate of the data files for one or more disks.

System action

The backup operation for this VM continues based on the setting of the VMVERIFYIFAction option.

User response

Run a full VM backup for this virtual machine. Or, specify the VMVERIFYAction option to force a full VM backup.

FMV9918E: Cannot open migration candidates list for *file-system*.

Explanation

Cannot access the migration candidates list for the specified file system.

System action

The system continues normal operation.

User response

Select OK to return.

FMV9919E: Failed to find the expected control files for *vm name*.

Explanation

During a verify operation, the number of control files that were found on the server do not match the expected amount for one or more disks.

System action

The backup operation for this VM continues based on the VMVERIFYIFAction option.

User response

Perform a full VM backup for this virtual machine or specify the VMVERIFYAction option to force a full VM backup.

FMV9920W: Forcing a full vm backup for *vm name*.

Explanation

During a verify operation, the number of control files that were found on the server do not match the expected amount for one or more disks. As a result, a full VM backup is performed.

System action

The backup operation for this VM is a full backup instead of an incremental backup.

User response

Ensure the VERIFYIFAction option is set to the wanted value.

FMV9922I: VMVERIFYIFLatest is enabled for *vm name* (action: *type*).**Explanation**

This VM operation verifies the control files from the previous backup to ensure that all expected files are on the server.

System action

The operation proceeds based on the value of the VMVERIFYIFAction option.

User response

Ensure the VERIFYIFAction option is set to the wanted value.

FMV9923W: Forcing a full backup for *vm name*.**Explanation**

The MAX capacity of MBLK is not enough for the disks in the incremental backup. A full backup will be performed.

System action

The backup operation for this VM is a full backup instead of an incremental backup.

User response

None.

FMV9924W: A full backup for the *vm name* virtual machine will be performed because of added disk capacity.**Explanation**

The disk capacity of the virtual machine has increased since the last backup. A full backup and a Changed Block Tracking (CBT) reset will be performed.

System action

The backup operation for this virtual machine is a full backup instead of an incremental backup.

User response

No action is required.

FMV9950W: Streaming and partial recall modes can not be set for files migrated using external backend.

Explanation

Streaming or partial recall modes are not supported for files in this mode.

System action

Operation aborted.

User response

Special recall modes are only available for files migrated using IBM Storage Protect Server as a backend.

FMV9951I: File: *file-name* has already been migrated.

Explanation

You tried to migrate a file that is already migrated. Note that you may get this message if the file is hard linked with another, already migrated file.

System action

The file is skipped.

User response

None.

FMV9958E: File '*file-namefile-namefile-name*' has not yet reached the age for migration. File skipped.

Explanation

This file cannot be migrated because it has not yet reached the age for migration.

System action

The file resides in state resident.

User response

The minimal age of a file to be eligible for migration is two minutes. Retry the migration operation after two minutes or use processing option `HSMENABLEIMMediatemigrateYES` to force the migration.

FMV9959W: IBM Storage Protect acceptor received a non-critical network error *errno*, IBM Storage Protect return code : *TSM-rc*.

Explanation

The communication problem happened while listening for inbound connection but the IBM Storage Protect acceptor continues running.

System action

Processing continues.

User response

No further action is required, it can be safely ignored.

FMV9984W: PFR plugin library was not found.**Explanation**

PFR plugin library should have been installed when the client was installed, but it cannot be found.

System action

The selected operation is not performed.

User response

None.

FMV9987W: Partial recall mode is not set for *full-file-name***Explanation**

Partial recall mode is not set for the specified file.

System action

The recall is not performed for the specified file. Processing stopped.

User response

Set the partial recall mode on the file ("dsmattr -recallmode=partialrecall" command) and re-try the operation.

FMV9989W: Management class *mcName* specified on the INCLUDE statement in *file-name* at line *line-number* does not exist.**Explanation**

Management class named on the INCLUDE statement in the *file-name* file does not exist in your assigned policy set on the server.

System action

The object is bound to the default management class.

User response

- Update the INCLUDE statement so that it specifies a valid management class.
- Define the management class named on the INCLUDE statement (if it is intended to have a management class with that name).
- Verify that the node is in the correct policy domain (perhaps the node was accidentally put in the wrong policy domain, and the correct domain has the management class).
- Remove the INCLUDE statement if it is no longer necessary to bind the files to the management class.

FMV9990W: Management class *mcName* specified on INCLUDE statement in client option set does not exist.

Explanation

Management class named on the INCLUDE statement in client option file does not exist in your assigned policy set on the server.

System action

The object is bound to the default management class.

User response

- Update the INCLUDE statement so that it specifies a valid management class.
- Define the management class named on the INCLUDE statement (if it is intended to have a management class with that name).
- Verify that the node is in the correct policy domain (perhaps the node was accidentally put in the wrong policy domain, and the correct domain has the management class).
- Remove the INCLUDE statement if it is no longer necessary to bind the files to the management class.

FMV9992E: The following options must be set before running this operation: VMCHOST or VMCUSER.

Explanation

VMCHOST or VMCUSER is missing from the options file.

System action

Operation cannot continue without options being set.

User response

Manually edit the options file or use the preferences editor to set these options.

FMV9993E: Not able to override options.

Explanation

The process can not override the options.

System action

The command is not processed.

User response

None.

FMV9994W: Can not get response message, timeout reached.

Explanation

The timeout was reached before getting response message. The option override could be successful.

System action

The command processed.

User response

None.

FMV9995W: The value of the VMMAxBACKUPSESSIONS option is '*vmMaxBackupSessions*'. This value must be greater than or equal to the value of the VMMAXPALLEL option, which is '*vmMaxParallel*'. The value will be set to the value of the VMMAXPALLEL option.

Explanation

The number of server sessions that are specified by the VMMAxBACKUPSESSIONS option must be equal to or greater than the number of virtual machines that are specified by the VMMAXPALLEL option.

System action

The operation continues.

User response

Set the value of the VMMAxBACKUPSESSIONS option to a value that is greater than or equal to the value of the VMMAXPALLEL option.

FMV9996W: The node has exceeded the maximum tape mounts that are allowed. No new sessions will be added for '*vm-name*'.

Explanation

The node has exceeded the maximum tape mounts that are allowed. No new sessions will be added for the backup VM.

System action

The backup operation continues.

User response

Use the MAXNUMMP parameter for the UPDATE NODE command on the server to increase the number of allowed tape mounts for this node.

FMV9999E: ():

Explanation

This message carries diagnostic text relating to a client process or algorithm. This information is intended for reporting processing exceptions and other non-standard situations that occur on the IBM Storage Protect client. The (component), (code), and (text) will vary depending upon the cause of the message and the client process or algorithm that issues the message.

System action

Client processing may or may not continue depending upon the cause of this message.

User response

Examine error messages that may have been displayed before and/or after this message and correct any problems, if possible. If the cause of this message can not be determined or resolved, contact your support representative. If you contact your support representative, the entire text of this message should be reported.

Accessibility features for the IBM Storage® Protect product family

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Overview

The IBM Storage® Protect family of products includes the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader

The IBM Storage® Protect family of products uses the latest W3C Standard, [WAI-ARIA 1.0 \(www.w3.org/TR/wai-aria/\)](http://www.w3.org/TR/wai-aria/), to ensure compliance with US Section 508 and [Web Content Accessibility Guidelines \(WCAG\) 2.0 \(www.w3.org/TR/WCAG20/\)](http://www.w3.org/TR/WCAG20/). To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by the product.

The product documentation in IBM® Documentation is enabled for accessibility.

Keyboard navigation

This product uses standard navigation keys.

Interface information

User interfaces do not have content that flashes 2 - 55 times per second.

Web user interfaces rely on cascading style sheets to render content properly and to provide a usable experience. The application provides an equivalent way for low-vision users to use system display settings, including high-contrast mode. You can control font size by using the device or web browser settings.

Web user interfaces include WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

Vendor software

The IBM Storage® Protect product family includes certain vendor software that is not covered under the IBM license agreement. IBM makes no representation about the accessibility features of these products. Contact the vendor for accessibility information about its products.

Related accessibility information

In addition to standard IBM help desk and support websites, IBM has a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services:

TTY service
800-IBM-3383 (800-426-3383)
(within North America)

For more information about the commitment that IBM has to accessibility, see [IBM Accessibility \(www.ibm.com/able\)](http://www.ibm.com/able).

Notices

This information was developed for products and services offered in the US. This material might be available from IBM® in other languages. However, you may be required to own a copy of the product or product version in that language in order to access it.

IBM® may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM® representative for information on the products and services currently available in your area. Any reference to an IBM® product, program, or service is not intended to state or imply that only that IBM® product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM® intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM® product, program, or service.

IBM® may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM® Director of Licensing
IBM® Corporation
North Castle Drive, MD-NC119
Armonk, NY 10504-1785
US

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM® Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing
Legal and Intellectual Property Law
IBM® Japan Ltd.
19-21, Nihonbashi-Hakozakicho, Chuo-ku
Tokyo 103-8510, Japan

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM® may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM® websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this IBM® product and use of those websites is at your own risk.

IBM® may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM® Director of Licensing
IBM® Corporation
North Castle Drive, MD-NC119
Armonk, NY 10504-1785
US

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM® under terms of the IBM® Customer Agreement, IBM® International Program License Agreement or any equivalent agreement between us.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary.

Information concerning non-IBM® products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM® has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM® products. Questions on the capabilities of non-IBM® products should be addressed to the suppliers of those products.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM®, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM®, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM® shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work must include a copyright notice as follows: © (your company name) (year). Portions of this code are derived from IBM® Corp. Sample Programs. © Copyright IBM® Corp. _enter the year or years_.

Trademarks

IBM®, the IBM® logo, and ibm.com® are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM® or other companies. A current list of IBM® trademarks is available on the Web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

Adobe™ is a registered trademark of Adobe™ Systems Incorporated in the United States, and/or other countries.

Linear Tape-Open™, LTO™, and Ultrium™ are trademarks of HP, IBM® Corp. and Quantum in the U.S. and other countries.

Intel™ and Itanium™ are trademarks or registered trademarks of Intel™ Corporation or its subsidiaries in the United States and other countries.

The registered trademark Linux® is used pursuant to a sublicense from the Linux® Foundation, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis.

Microsoft™, Windows™, and Windows NT™ are trademarks of Microsoft™ Corporation in the United States, other countries, or both.

Java™ and all Java™-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Red Hat®, OpenShift®, Ansible®, and Ceph® are trademarks or registered trademarks of Red Hat®, Inc. or its subsidiaries in the United States and other countries.

UNIX® is a registered trademark of The Open Group in the United States and other countries.

VMware, VMware vCenter Server™, and VMware vSphere™ are registered trademarks or trademarks of VMware, Inc. or its subsidiaries in the United States and/or other jurisdictions.

Terms and conditions for product documentation

Permissions for the use of these publications are granted subject to the following terms and conditions.

Applicability

These terms and conditions are in addition to any terms of use for the IBM® website.

Personal use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of IBM®.

Commercial use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of IBM®.

Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

IBM® reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by IBM®, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

IBM® MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

Privacy policy considerations

IBM® Software products, including software as a service solutions, ("Software Offerings") may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user, or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering's use of cookies is set forth below.

This Software Offering does not use cookies or other technologies to collect personally identifiable information.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, see IBM®'s Privacy Policy at <http://www.ibm.com/privacy> and IBM®'s Online Privacy Statement at <http://www.ibm.com/privacy/details> in the section entitled "Cookies, Web Beacons and Other Technologies," and the "IBM® Software Products and Software-as-a-Service Privacy Statement" at <http://www.ibm.com/software/info/product-privacy>.

Glossary

© Copyright International Business Machines Corporation 1995, 2025

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp

