

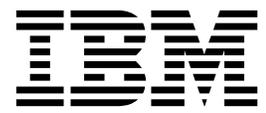
IBM Spectrum Protect Snapshot
Version 8.1.7

Messages

IBM

IBM Spectrum Protect Snapshot
Version 8.1.7

Messages



Note:

Before you use this information and the product it supports, read the information in “Notices” on page 593.

This edition applies to version 8, release 1, modification 7 of IBM Spectrum Protect Snapshot (product numbers 5725-X22, 5608-AB8) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this publication

IBM Spectrum 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 Spectrum Protect storage.

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

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

Who should read this guide

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

Publications

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

To view IBM product documentation, see IBM Knowledge Center.

Chapter 1. Introduction to IBM Spectrum Protect Snapshot messages

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

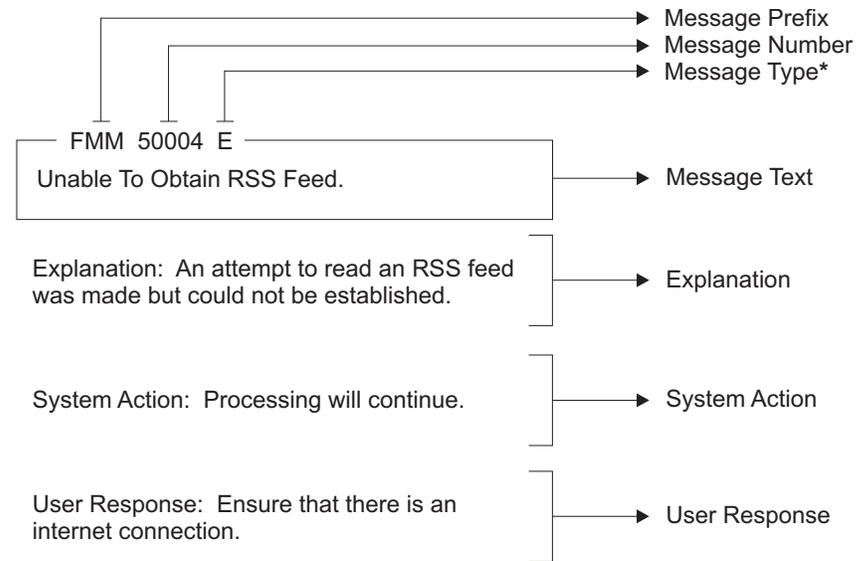
A list of new and changed messages since the previous product modification level is available in the `client_message.chg` file in the installation directory.

IBM Spectrum 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 Spectrum Protect Snapshot for UNIX and Linux systems and in IBM Spectrum 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 Spectrum 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 1. Messages prefixes by component

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

Chapter 2. FMM messages

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

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

Messages with prefix FMM are also issued by the command-line interface (VMCLI) of IBM Spectrum Protect Snapshot 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 Spectrum Protect Snapshot components:

- IBM Spectrum Protect Snapshot for UNIX and Linux
- IBM Spectrum Protect Snapshot for VMware

IBM Spectrum 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.

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.

FMM0009E • FMM0048E

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server *server name* was wrong.

System action:

User response: Enter the password again. If this error still exists, contact your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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.

FMM0123E 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>...

FMM0124E The LUN '*LUN name*' on the datastore '*datastorename*' is not part of a storage subsystem supported by IBM Spectrum Protect Snapshot.

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot. Remove the LUN from the datastore.

FMM0127E 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot repository and the storage system.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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:

FMM0142I • FMM0151E

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 Spectrum Protect Snapshot and IBM Spectrum Protect for ERP was not found. The information is exchanged through the call of the IBM Spectrum Protect Snapshot's function ?set_bki_info? by backint before the IBM Spectrum Protect Snapshot backup. For older versions, the information is first exchanged after the IBM Spectrum Protect Snapshot backup during the execution of the unmount function. Either the IBM Spectrum Protect for ERP you have installed does not support IBM Spectrum Protect Snapshot, or IBM Spectrum 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 Spectrum Protect server are valid. However, IBM Spectrum Protect Snapshot cannot show the backup ID in its report when using the function "inquire". Reason for warning: It is very likely that IBM Spectrum Protect for ERP (AIX version) does not have IBM Spectrum Protect Snapshot support (prior to version 3.1.0.3). Action: Install the appropriate IBM Spectrum 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 Spectrum Protect server is invalid. Cause: Problems with the network or on the IBM Spectrum Protect server caused IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot has detected a logical error when processing the IDS control file.

System action:

User response: Contact IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot reads /tmp/bki<SID>.ids, which contains information about the backup that was done by IBM Spectrum 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 Spectrum Protect for ERP terminated unsuccessfully for some reason.

System action:

User response: Ensure that IBM Spectrum 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 = *beseq_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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot unmounts the file systems and export volume groups on the backup host that had been imported or mounted when the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect for ERP support.

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

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Spectrum 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 Spectrum 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 Spectrum 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 'cgname' 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 Spectrum 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 Spectrum 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 Spectrum 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: '*cgname*'.

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Spectrum 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 Spectrum 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: '*cgname*'.

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Spectrum 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 Spectrum 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 parameter 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 Spectrum 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: '*cgroupname*'.

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Spectrum Protect Snapshot software requires to delete the remote copy relationships if the SVC version used is 6.1 or lower. After restore completes, IBM Spectrum 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_#####HHMMSS.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 volume
2. 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 parameter FLASHCOPY_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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot OS agent "acsngen" 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 'cserver'.

Explanation: For a FlashCopy backup to be taken, IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot exploits the feature ?Multiple Relationship FlashCopy? of the storage system. This means that for IBM Spectrum 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 Spectrum 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 Spectrum 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 '*cgname*' and all its older dependents.

Explanation: Usually IBM Spectrum Protect Snapshot re-uses the oldest set of target volumes for the backup. However if for some reason it is not the case, IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot in an LVM mirror environment requires the extended license of IBM Spectrum Protect Snapshot. Starting with V5.5, the DB2 version of IBM Spectrum 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 Spectrum Protect Snapshot.

System action:

User response: Contact IBM 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 Spectrum Protect Snapshot.

System action: The current snapshot backup is deleted, and processing ends.

User response: Install and license IBM Spectrum 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 Spectrum 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 destination
backup type
sid host productive host backup
host list
sid 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 Spectrum Protect backup. The restore of a distributed VM is not allowed if an offload IBM Spectrum 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 Spectrum 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/ 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/ 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 purposes. 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 Spectrum Protect Snapshot and cannot be part of the backup. Rename it or specify the virtual machine containing IBM Spectrum Protect Snapshot in the '*profile parameter name*' profile parameter in the profile.

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

System action: Processing ends.

User response: Rename the specified virtual machine

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or add the name of the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot in the 'profile parameter name' parameter in the profile.

Explanation: The virtual machine specified in the profile as IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 (*vg1*) 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 -l (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 Spectrum 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 Spectrum 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 `vl`.

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 Spectrum 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 *fmm1* 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 *fmm1*.

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 *fmm1*

Explanation: Attempting to remove the identified volume groups.

System action: None.

User response: None.

FMM0569I Varied off and exported volume group : *fmm1*

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 '*vmclipath*' 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 Spectrum 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 Spectrum 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 Spectrum 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 *fm1* 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 snapstore of the source volume *srcvol* to the snapshot *snapid* (LUN *lunpath*).

Explanation: The function snapstore 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 freed 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 Spectrum Protect Snapshot cannot update the IBM Spectrum 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 *fctype* 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 Spectrum 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.

FMM0651E • FMM0668E

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 Spectrum Protect Backup Archive Client command line interface.

Explanation: An error was detected when running the

IBM Spectrum Protect Backup Archive Client Client command line interface.

System action: Processing ends.

User response: Make sure the IBM Spectrum 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 Spectrum Protect Snapshot cannot open the file.

System action: IBM Spectrum 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.

FMM0711E Unable to write to trace file *tracefile*. Tracing disable d.

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.

FMM0712E 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.

FMM0727E 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.

FMM0728E 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 *v1* 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 *fm1* 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 <*lname*><*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 Spectrum 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 (`cfgmgr`). 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 restere 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 achive a valid disk backup.

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot moniotoring fuction.

FMM0795E Error initializing the connection to the copy services server.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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: Invokation 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 Spectrum 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 manager 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 occurred 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot does not support AUTO value for the ASM_INSTANCE_USER parameter.

System action: The IBM Spectrum Protect Snapshot profile check failed.

User response: Specify an existing ASM_INSTANCE_USER in the IBM Spectrum Protect Snapshot profile.

FMM0863I IBM Spectrum Protect Snapshot detected the ACFS device: '*vol_dev*', with mount point: '*mnt_pt*', in disk group: '*dg_name*'.

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot detected the ACFS device: '*vol_dev*', with mount point: '*mnt_pt*', in disk group: '*dg_name*'.

Explanation: IBM Spectrum 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*. 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 You 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 Spectrum 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.

FMM1031I • FMM1043E

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 Spectrum 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 Spectrum 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 related functions the section CLONING must be added to the IBM Spectrum Protect Snapshot profile.

System action: Processing ends.

User response: Add the section CLONING to the IBM Spectrum 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 Spectrum Protect Snapshot profile parsing a wrong keyword was found whereas another keyword was expected.

System action: Processing ends.

User response: Check the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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.

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 have 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 Spectrum Protect Snapshot profile parameter CLONE_DATABASE set to YES has to have 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 Spectrum 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 Spectrum Protect

Snapshot logs and traces (from production and backup system) and send them to IBM 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect-Servers available.

Explanation: Data Protection for SAP cannot locate a IBM Spectrum Protect server. This may be due to a configuration problem or to a problem while trying to connect to the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Servers.

System action: Processing for the IBM Spectrum Protect Server specified stops. Processing on other servers continues.

User response: Check the *error text* and IBM Spectrum 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 BRBACKUPMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action:

User response: Check the management classes on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot profile.

System action: Processing ends.

User response: Add the section DB2STANDBY to the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Scale file system '*device name*' is currently mounted on the system at: '*current mount point*'. The IBM Spectrum Scale file system must be mounted at: '*default mount point*', the default mount point.

Explanation: Only the default mount points are supported for IBM Spectrum 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 Spectrum Scale file system without specifying the mount point argument. The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot cannot run the reconciliation process for the following snapshots:
list_of_snapshots

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot cannot run the reconciliation process for the following snapshots:
list_of_snapshots

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Scale snapshots, the value *parameter value* is not valid for the *parameter name* parameter.

Explanation: If IBM Spectrum Protect Snapshot is configured for (IBM Spectrum 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 Spectrum 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 Spectrum Scale file system. The backup operation cannot continue.

Explanation: If IBM Spectrum Protect Snapshot is configured for IBM Spectrum Scale, the files that are listed in the backup infile must be on a IBM Spectrum Scale file system.

System action: If a difference between the backup infile and the IBM Spectrum 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 Spectrum Scale shadow database is missing in path *path*. IBM Spectrum Protect Snapshot will request rebuilding of one or more required shadow databases.

Explanation: IBM Spectrum Protect Snapshot is trying to run an incremental backup of a snapshot in the named directory via IBM Spectrum Scale command 'mmbackup'. For this operation, a shadow database is required for each participating IBM Spectrum Protect server, and a shadow database is not available. IBM Spectrum 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 Spectrum Scale command mmbackup for path *directory* ended with exit code *exit code*. IBM Spectrum Protect Snapshot is retrying the operation. Retry count *count* of maximum number of retries.

Explanation: IBM Spectrum Protect Snapshot is trying to run an incremental backup of a snapshot in the named directory with IBM Spectrum Scale command 'mmbackup'. The command returned an exit code indicating that not all files could be sent to the IBM

Spectrum Protect server(s). IBM Spectrum Protect Snapshot will retry the operation.

System action: Processing continues.

User response: None.

FMM1287I IBM Spectrum Protect Snapshot is requesting a full backup for path *directory* because there is no inventory data available for any specified IBM Spectrum Protect server.

Explanation: IBM Spectrum Protect Snapshot is backing up a snapshot in the named directory with IBM Spectrum 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: `acsngen -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 Spectrum 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 Spectrum Scale environments, the IBM Spectrum 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 Spectrum Scale location available on all nodes in the

cluster running IBM Spectrum 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 Spectrum Scale environments, IBM Spectrum 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 Spectrum Scale location available on all nodes in the cluster running IBM Spectrum Protect Snapshot.

FMM1493I Back-End Capacity Report: Number of managed objects: *number_of_objects*

Explanation: The number of back-end objects protected by IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot components could be started successfully.

System action:

User response: Check that all IBM Spectrum 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 Spectrum Protect Snapshot detected that for the listed participant(s) no IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot could not mount the specified data container to the backup or cloning system.

System action: Processing stops.

User response: Check the IBM Spectrum 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 Spectrum Protect Snapshot could not mount all snapshots successfully to the backup or cloning system.

System action: Processing stops.

User response: Check the IBM Spectrum 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, unrestoreable 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot backint. Offloaded backups from a snapshot to IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 than three values, 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 Spectrum 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 Spectrum 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 Spectrum Protect backup options. The composed states are: '*states*'.

Explanation: A backup of a partitioned database was attempted. Offloaded backups to IBM Spectrum Protect use options that are different from options used with the partition backup. However, IBM Spectrum 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 Spectrum Protect backup options. The product automatically determines the correct IBM Spectrum 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 Spectrum 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 Spectrum 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 *fmcli* 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 Spectrum 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 *fmcli* 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*.

FMM2000I Successfully connected to *component_name* on port *portnumber*.

Explanation: One of the Data Protection for SAP modules *BACKINT* or theThe 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 Spectrum 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 Spectrum 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 snapshot 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 Spectrum Protect-API version *your API version (compiled with compiled with version).*

Explanation: Version information about the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect backup.

Explanation: In principle, raw device-mapping disks are not included in the IBM Spectrum 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 Spectrum Protect and restored from there, this limitation does not apply.

System action: Processing continues.

User response: Restore the virtual machine from the offloaded IBM Spectrum 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 Spectrum Protect.

Explanation: The offload agent periodically checks for new snapshot backups that are ready to offload to IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot and re-use during refreshing of the FlashCopy. A manually 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 Spectrum 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 Spectrum Protect Error: *error_message*

Explanation: During a connection of Data Protection for SAP to IBM Spectrum Protect server, a IBM Spectrum Protect error *error_message* occurred.

System action:

User response: Use the IBM Spectrum Protect Messages guide and correct the IBM Spectrum Protect server error. Try your last action again.

FMM5001E IBM Spectrum Protect Error:
error_message

Explanation: During a connection of Data Protection for SAP to IBM Spectrum Protect server, a IBM Spectrum Protect error *error_message* occurred.

System action:

User response: Use the IBM Spectrum Protect Messages guide and correct the IBM Spectrum Protect server error. Try your last action again.

FMM5002E IBM Spectrum Protect Error during inquire of mux file *backup_id*:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5003E IBM Spectrum Protect Error:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5004W IBM Spectrum Protect Error:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5005E IBM Spectrum Protect Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5006E IBM Spectrum Protect Error:*error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5007E IBM Spectrum Protect Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5008E IBM Spectrum Protect Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5009E IBM Spectrum Protect Error:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5010E IBM Spectrum Protect Error:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5011E IBM Spectrum Protect Error:
error_message

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5012E Cannot open IBM Spectrum Protect API message text file. Check if DSMI_DIR is set correctly.
Current value of DSMI_DIR is: *dsmi dir*

Explanation: The IBM Spectrum 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 Spectrum Protect API installation directory. If the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Error: Transaction succeeded although it was expected to fail.

Explanation: An internal IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect for Enterprise Resource Planning stores all data as archive objects on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect for Enterprise Resource Planning now checks how many full database backups are stored on the IBM Spectrum Protect server and deletes obsolete backup generations. This message is not written to the backint.log. It can be found in the IBM Spectrum 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 Spectrum Protect server has completed. This message is not written to the backint.log. It can be found in the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect for Enterprise Resource Planning could not be parsed.

System action: Processing stops.

FMM5640I • FMM6202E

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 Spectrum 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 Spectrum 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 Spectrum 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: *errormsg*

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 Spectrum Protect: *filename*

Explanation: Backing up the named file to IBM Spectrum 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 Spectrum 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 Spectrum 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 too few 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 Spectrum 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 Spectrum 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 '*redundanctype*' 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 Spectrum Protect.

Explanation: The provided database partitions were already offloaded to IBM Spectrum 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 to 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: acsngen -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 dsmsched.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 dsmsched.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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect profile.

System action: Processing stops.

User response: Configure the IBM Spectrum 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 Spectrum Protect profile. The missing information may be optional for the current operation.

System action: Processing continues.

User response: If the IBM Spectrum 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

Spectrum 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 Spectrum Protect profile.

System action: Processing stops.

User response: Configure the IBM Spectrum 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 Spectrum Protect profile. The missing information may be optional for the current operation.

System action: Processing continues.

User response: If the IBM Spectrum 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 Spectrum 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 Spectrum Protect profile it must be the only section of this type.

System action: Processing stops.

User response: Configure the IBM Spectrum 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 Spectrum Protect profile must have different names.

System action: Processing stops.

User response: Configure the IBM Spectrum 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 Spectrum Protect profile and it must be the only section of this type.

System action: Processing stops.

User response: Configure the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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

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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 Spectrum 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 Spectrum Protect.

System action:

User response: The offload agent expects the backint executable at the default IBM Spectrum 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 Spectrum Protect Snapshot is preventing accesss 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 '*fcmpreqchecker.sh*'.

Explanation: If two or more databases are in the database instance, the database to be processed by IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot.

FMM6606I The following files do not belong to the application:
file names
The extra files must be added to the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot. Check whether the instance owned by the named user contains the database IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot was not able to load the API functions from the DB2 API library specified by the DB2_LIBRARIY parameter.

System action: Processing stops.

User response: Verify that the DB2_LIBRARIY 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 Spectrum Protect Snapshot management agent.

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum 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 preceded 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 Spectrum 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

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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 Spectrum Protect server could not be accessed.

Explanation: The command could not be started because the IBM Spectrum 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 Spectrum 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 Spectrum 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.

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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 Spectrum 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 Spectrum 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 Spectrum Protect?

Explanation: The backup was requested to be stored on both the IBM Spectrum Protect server and the snapshot-type disks. The snapshot operation has failed. Backup can continue to save data on the IBM Spectrum 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 Spectrum 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 Spectrum Protect?

Explanation: The data you wanted to be restored is located on the IBM Spectrum Protect server and on snapshot-type disks. The snapshot operation has failed. The process can continue to restore data from the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect if available.

FMM7316I The following backup types for the BACKUPID *backup id* have been found:
 - IBM Spectrum Protect
 - Snapshot

Explanation: The backup for the backup ID *Backup ID* was stored on the IBM Spectrum 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 Spectrum Protect restore.

Explanation: The restore uses data from IBM Spectrum 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 Spectrum 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 Spectrum Protect server. So you may continue to restore this data without the snapshot functionality from IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot V3.1 or higher.

Explanation: To perform offloaded backups using Oracle RMAN the offload operation must be performed using IBM Spectrum Protect Snapshot Version 3.1 or higher.

System action: Operation aborts.

User response: Ensure the required version of IBM Spectrum 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 preceding 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 '*catalog_password*' must be used.

System action: Operation aborts.

User response: Run '*backint -p <profile> 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 Spectrum 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 `fmcli -f unmount` to clean up the backup system. Start `fmcli -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 Spectrum 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 Spectrum Protect license.

System action:

User response: If you need the functionality requested, obtain a full IBM Spectrum 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 *profile* 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server to perform redirected restores or adjust the restore command.

FMM8378E Redirected restore of volume backups is not supported yet.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 ocured 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 unique 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 of 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 precedes 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 you 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect for file(s) '*file list*'.

Explanation: The Backup Object Manager checks if the files listed are available on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect password for partition '*partition number*' on host '*host name*'.

Explanation: The Data Protection for SAP IBM Spectrum 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 Spectrum 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 Spectrum 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 (*initalias.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 `db2inidb` 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 table space(s) table space#1,...,table space#n of 'alias' started ...

Explanation: A backup operation of table space(s) *table space#1 ... table space#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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect profile. In this case, IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 'fmccli -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 Spectrum 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 Spectrum 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 Spectrum Protect ...

Explanation: Retrieving the appropriate TDI to be

used by internal checking routines from the IBM Spectrum Protect server.

System action:

User response: None.

FMM8756W Could not get reference Tablespace Definition Information from IBM Spectrum Protect. No input validation is done.

Explanation: The system could not find a TDI image matching the database backup to be restored on IBM Spectrum 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 Spectrum 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 Spectrum Protect...

Explanation: The system is retrieving the TDI image from the IBM Spectrum 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 Spectrum Protect server.

Explanation: For restore and delete operations Data Protection for SAP queries IBM Spectrum 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_numberbeta) 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 Spectrum 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 Spectrum 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 Spectrum Protect sessions already committed during this operation are being deleted from the IBM Spectrum Protect server in order to prevent them from being considered restorable.

System action:

User response: None.

FMM8813E Error deleting committed IBM Spectrum Protect sessions.

Explanation: One or more committed IBM Spectrum 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 Spectrum Protect with mask 'search mask'.

Explanation: The string denoted is used to inquire IBM Spectrum 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 Spectrum 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 Spectrum Protect session(s) found. Nothing will be deleted.

Explanation: The cleanup of a failed IBM Spectrum Protect for ERP database backup could not find any partial IBM Spectrum Protect backup image of that run already stored on the IBM Spectrum 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 Spectrum 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 Spectrum Protect objects matching with mask '*search mask*' will be deleted.

Explanation: The cleanup of a failed IBM Spectrum Protect for ERP database backup will delete any partial IBM Spectrum Protect backup image of that run already stored on the IBM Spectrum Protect server and matching *search mask*.

System action:

User response: None.

FMM8820E No valid IBM Spectrum Protect session found.

Explanation: A running IBM Spectrum Protect for ERP workflow could not continue due to a missing IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot might exist on the remote system so GSKit is not uninstalled to avoid breaking other instances of IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot offload daemon was running in the last *minutes* minutes. Make sure that the IBM Spectrum Protect Snapshot offload daemon process is running.

Explanation: The IBM Spectrum Protect Snapshot offload daemon was not running on the IBM Spectrum Protect Snapshot host since the specified time interval. This offload daemon process is required if IBM Spectrum Protect Snapshot backups should be sent to IBM Spectrum Protect.

System action: Processing will continue. But the offloaded backup to IBM Spectrum Protect may not start.

User response: Verify that the IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot Prerequisite Checker can be run.

System action: Processing ends.

User response: Mount the database and start IBM Spectrum 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 Spectrum 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 Spectrum 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 file s.

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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, loggend on host Host Name:*
Log Message(s)

Explanation: IBM Spectrum 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, loggend on host Host Name:*
Log Message(s)

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9053W No data files were found for database
Database Name.

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9054W No database log files were found for database *Database Name.*

Explanation: IBM Spectrum 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 Spectrum Protect Snapshot Prerequisite Checker. Otherwise, the check results may be invalid.

FMM9055I Log message(s) for host *Host Name:*
Log Message(s)

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum 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 the `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 mmbackup was run successfully:
mmbackup_output

Explanation: The mmbackup 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 Spectrum Protect server(s) *server list* ended successfully on *timestamp*.

Explanation: A backup was successfully sent to a list of IBM Spectrum Protect servers. The operation ended at the time given. The timestamp was created on the IBM Spectrum Scale management node initiating the backup to the IBM Spectrum 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 you 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot correctly operates. If no CA signed certificate is installed on PS, IBM Spectrum 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 "fcmselfcert.arm" from the IBM Spectrum Protect Snapshot instance installation path on production system (PS) to the IBM Spectrum 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 Spectrum 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 Spectrum Scale file system. Solve this issue and call the IBM Spectrum 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 Spectrum Protect Snapshot for Windows. The messages concern the Microsoft Management Console (MMC).

IBM Spectrum 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.

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 Spectrum Protect Snapshot components that use the IBM XIV® Storage System.

IBM Spectrum 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 Spectrum 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.

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 Spectrum 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 Spectrum Protect Snapshot profile configuration wizard to ensure that the profile is consistent and

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

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot must contain a value.

Explanation: When IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot must contain a value.

Explanation: When IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot. Exchange the storage adapter with an older version that is compatible with your IBM Spectrum Protect Snapshot version or upgrade to the latest version of IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot on this host before you start a restore.

FMM18102E IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot adapter for the XIV Storage System.

FMM18107E The *xcli_cmd* XCLI command ends with the *return_code* return code.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot profile configuration file.

Operator response: Avoid restoring snapshots that are created by IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot profile configuration file.

Operator response: Avoid restoring snapshots that are created by IBM Spectrum Protect Snapshot and that are later reused by other applications. Select another snapshot backup for the restore operation.

FMM18136E IBM Spectrum Protect Snapshot adapter for the XIV Storage System was not able to retrieve the host mapping for the *vol_name* volume.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot.

FMM18141E IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 snapshots 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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.

Chapter 3. FMF messages

Messages with prefix FMF are issued by the IBM Spectrum Protect Snapshot for Windows Microsoft Management Console (MMC) Snap-in and Base System Services component. IBM Spectrum 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.

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 *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

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 Spectrum Protect Snapshot application client cannot work with the version of the IBM Spectrum Protect Snapshot API you have installed. Please install version *version.release.level* or greater.

Explanation: The version of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the version used to build the IBM Spectrum Protect Snapshot application client.

System action: Processing ends.

User response: Install a version of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Spectrum Protect Snapshot application client.

FMF0155E The IBM Spectrum Protect Snapshot application client cannot work with the release of IBM Spectrum Protect Snapshot API you have installed. Please install release *version.release.level* or greater.

Explanation: The release of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the release used to build the IBM Spectrum Protect Snapshot application client.

System action: Processing ends.

User response: Install a release of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Spectrum Protect Snapshot application client.

FMF0156E Could not load the IBM Spectrum Protect Snapshot API.

Explanation: The IBM Spectrum Protect Snapshot API could not be loaded.

System action: Processing ends.

User response: Ensure the IBM Spectrum Protect Snapshot API is correctly installed. Run the IBM Spectrum 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 Spectrum Protect Snapshot API, if this is the case.

FMF0160E An authentication error occurred with your stored IBM Spectrum Protect Snapshot password.

Explanation: You were unable to log on to the IBM Spectrum Protect Snapshot server due an authentication error.

System action: Processing stops.

User response: The stored IBM Spectrum Protect Snapshot password may have become corrupted. Contact your IBM Spectrum Protect Snapshot server administrator.

FMF0161E Authentication error. The password entered is not valid. You are not logged on to the IBM Spectrum Protect Snapshot server.

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct IBM Spectrum 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 Spectrum Protect Snapshot high level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0211E The IBM Spectrum Protect Snapshot low level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0212E The IBM Spectrum Protect Snapshot filespace name is too long.

Explanation: An attempt was made to use a IBM Spectrum 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 Spectrum Protect Snapshot transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the IBM Spectrum Protect Snapshot server in a single transaction. The IBM Spectrum Protect Snapshot server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the IBM Spectrum Protect Snapshot application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the IBM Spectrum Protect Snapshot server and retry the operation.

FMF0214E The backup object's management class backup copy group does not exist.

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot server administrator.

FMF0216E Unable to obtain space information for volume (*volumename*).

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 Spectrum Protect Snapshot file space name is invalid.

Explanation: The file space name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the file space name length, characters, and directory delimiters are valid.

FMF0218E The IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot options file has expired. Please change your password on the IBM Spectrum Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your IBM Spectrum Protect Snapshot password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your IBM Spectrum Protect Snapshot server; node using the change password command or by asking your IBM Spectrum Protect Snapshot administrator to change your password.

FMF0257E Your password has expired.

Explanation: Your IBM Spectrum 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 Spectrum Protect Snapshot node using the change password command or by asking your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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

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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 Spectrum Protect Snapshot Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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\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.

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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum Protect Snapshot is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum Protect Snapshot.

FMF0589E You are not allowed to set REMOTEDSMAGentnode option. IBM Spectrum 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 Spectrum Protect Snapshot server has occurred.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the IBM Spectrum Protect Snapshot server and retry the operation.

FMF0591I Communications with the IBM Spectrum Protect Snapshot server recovered.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMF0592E The TCP/IP session with the IBM Spectrum Protect Snapshot server was canceled.

Explanation: The TCP/IP session with the IBM Spectrum Protect Snapshot server was cancelled.

System action: The operation stops.

User response: Correct the reason the IBM Spectrum Protect Snapshot server administrator cancelled the session and retry the operation.

FMF0593E IBM Spectrum 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 Spectrum Protect Snapshot to manage snapshot backups using a IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 DSM_CONFIG (or DSMI_CONFIG if you are using the IBM Spectrum Protect Snapshot API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Spectrum Protect Snapshot client, but the option file you provided does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the IBM Spectrum 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 Spectrum Protect Snapshot client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot client manual specific to your operating system. If the problem persists, ask your IBM Spectrum 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 using 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\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.

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 Spectrum Protect Snapshot license.

Explanation: To issue the command, a license for IBM Spectrum Protect Snapshot is required. If an IBM Spectrum Protect Snapshot license does not exist, the command is not supported.

System action: None.

User response: Install an IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot API initialization, rc = *returncode*. Examine the *dsierror.log* for more information or determine if the Spectrum Protect Snapshot API is installed properly.

Explanation: An attempt was made to run setup for the Spectrum Protect Snapshot API. However, errors were encountered.

System action: Processing continues.

User response: Examine the *dsierror.log* file to determine the problem. If this file does not exist, it is possible that the Spectrum Protect Snapshot API is not installed properly. If this is the case, reinstall the Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Remote Client Agent Windows service then stop and restart the IBM Spectrum Protect Client Acceptor Windows service. After that, retry the operation. If the problem persists, refer to the dsmerror.log file, the dsierror.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 Spectrum Protect Snapshot VSS Fast Restore operation failed to restore the volume. Examine the FCMFSFR.LOG file for more details on the failure.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot virtual server.

Explanation: Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a IBM Spectrum 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.

Chapter 4. FMX messages

Messages with prefix FMX are issued by the IBM Spectrum Protect Snapshot for Microsoft Exchange Server. IBM Spectrum 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.

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:**

FMX0102E • FMX0152I

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 *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

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 Spectrum Protect Snapshot for Microsoft Exchange Server application client cannot work with the version of the IBM Spectrum Protect Snapshot API you have installed. Please install version *version.release.level* or greater.**

Explanation: The version of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the version used to build the IBM Spectrum Protect Snapshot for Microsoft Exchange Server application client.

System action: Processing ends.

User response: Install a version of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Spectrum Protect Snapshot for Microsoft Exchange Server application client.

FMX0155E **The IBM Spectrum Protect Snapshot for Microsoft Exchange Server application client cannot work with the release of IBM Spectrum Protect Snapshot API you have installed. Please install release *version.release.level* or greater.**

Explanation: The release of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the release used to build the IBM Spectrum Protect Snapshot for Microsoft Exchange Server application client.

System action: Processing ends.

User response: Install a release of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the IBM Spectrum Protect Snapshot for Microsoft Exchange Server application client.

FMX0156E **Could not load the IBM Spectrum Protect Snapshot API.**

Explanation: The IBM Spectrum Protect Snapshot API could not be loaded.

System action: Processing ends.

User response: Ensure the IBM Spectrum Protect Snapshot API is correctly installed. Run the IBM

Spectrum 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 Spectrum Protect Snapshot API, if this is the case.

FMX0160E **An authentication error occurred with your stored IBM Spectrum Protect Snapshot password.**

Explanation: You were unable to log on to the IBM Spectrum Protect Snapshot server due an authentication error.

System action: Processing stops.

User response: The stored IBM Spectrum Protect Snapshot password may have become corrupted. Contact your IBM Spectrum Protect Snapshot server administrator.

FMX0161E **Authentication error. The password entered is not valid. You are not logged on to the IBM Spectrum Protect Snapshot server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct IBM Spectrum 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 Spectrum Protect Snapshot high level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0211E The IBM Spectrum Protect Snapshot low level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0212E The IBM Spectrum Protect Snapshot filesystem name is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot filesystem name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0213E The maximum number of objects allowed per IBM Spectrum Protect Snapshot transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the IBM Spectrum Protect Snapshot server in a single transaction. The IBM Spectrum Protect Snapshot server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the IBM Spectrum 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 Spectrum Protect Snapshot server and retry the operation.

FMX0214E The backup object's management class backup copy group does not exist.

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot server administrator.

FMX0216E Unable to obtain space information for volume (*volumename*).

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 Spectrum Protect Snapshot filesystem name is invalid.

Explanation: The filesystem name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the filesystem name length, characters, and directory delimiters are valid.

FMX0218E The IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot options file has expired.
Please change your password on the IBM Spectrum Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your IBM Spectrum Protect Snapshot password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your IBM Spectrum Protect Snapshot server; node using the change password command or by asking your IBM Spectrum Protect Snapshot administrator to change your password.

FMX0257E Your password has expired.

Explanation: Your IBM Spectrum 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 Spectrum Protect Snapshot node using the change password command or by asking your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 charaters 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum Protect Snapshot.

FMX0589E You are not allowed to set REMOTEDSMAGentnode option. IBM Spectrum 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 Spectrum Protect Snapshot server has occurred.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the IBM Spectrum Protect Snapshot server and retry the operation.

FMX0591I Communications with the IBM Spectrum Protect Snapshot server recovered.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMX0592E The TCP/IP session with the IBM Spectrum Protect Snapshot server was canceled.

Explanation: The TCP/IP session with the IBM Spectrum Protect Snapshot server was cancelled.

System action: The operation stops.

User response: Correct the reason the IBM Spectrum

Protect Snapshot server administrator cancelled the session and retry the operation.

FMX0593E IBM Spectrum 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 Spectrum Protect Snapshot to manage snapshot backups using a IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot for Microsoft Exchange Server client manual specific to your operating system. If the problem persists, ask your IBM Spectrum 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 using 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\dsmserror.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 Spectrum Protect Snapshot license.

Explanation: To issue the command, a license for IBM Spectrum Protect Snapshot is required. If an IBM Spectrum Protect Snapshot license does not exist, the command is not supported.

System action: None.

User response: Install an IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot for Microsoft Exchange Server is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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.

FMX5056I • FMX5067E

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 Spectrum Protect Snapshot API error has occurred. Examine the Windows Event Logs and DSMERROR.LOG for additional details.**

Explanation: A IBM Spectrum 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 Spectrum Protect Snapshot for Mail.**

Explanation: IBM Spectrum 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 dismantled.**

Explanation: The mailbox databases that were entered either do not exist on the Microsoft Exchange Server or have not been dismantled.

System action: Processing ends.

User response: Verify that the mailbox databases exist and that the databases have been dismantled 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 dismantled.

Explanation: While examining the list of databases to restore, it was determined that not all of the databases within the specified storage groups were dismantled.

System action: Processing continues skipping over the listed databases and storage groups.

User response: Ensure that the databases are dismantled 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 dismantled -- 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 dismantled 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 dismantled
- 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.

FMX5209I • FMX5305E

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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 filesystem <filesystem> in an invalid filesystem name.

Explanation: The filesystem displayed in the message exists, but is an invalid filesystem.

System action: Processing continues, but this filesystem 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot API initialization, rc = *returncode*. Examine the *dsierror.log* for more information or determine if the Spectrum Protect Snapshot Client is installed properly.

Explanation: An attempt was made to run setup for the IBM Spectrum 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 *dsierror.log* file to find out more information about the problem. If this file does not exist, it is possible that the Spectrum Protect Snapshot API is not installed properly. If this is the case, uninstall the Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum

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 Spectrum Protect Snapshot Client and re-run the configuration wizard to reinstall the client acceptor.

FMX5816E IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot server matching the specified criteria.

Explanation: A query was issued to the IBM Spectrum Protect Snapshot server to find the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot Server.**

Explanation: The mailbox location history stored on the Spectrum 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 Spectrum Protect Snapshot Server.**

Explanation: An attempt was made to update the mailbox location history stored on the Spectrum 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 Spectrum Protect Snapshot for Exchange node username and password
- the proxynode configuration on the Spectrum Protect Snapshot Server

FMX5921E **IBM Spectrum 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 Spectrum 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 Spectrum 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 TDPEXC 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 | logfilename]
 (default: tdpexc.log)
 [/LOGPrune=60 | n | No] (default: 60)

FMX5975E A valid IBM Spectrum Protect Snapshot license file could not be located. Data protection operations to a IBM Spectrum Protect Snapshot virtual server are not allowed.

Explanation: To perform data protection operations to a IBM Spectrum Protect Snapshot virtual server, a valid license must be installed in the IBM Spectrum 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 Spectrum Protect Snapshot for Exchange license file could not be located.

IBM Spectrum Protect Snapshot for Exchange is not licensed to run data protection operations to the IBM Spectrum Protect server. With the current licenses only data protection operations to a IBM Spectrum 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 Spectrum Protect server, a valid license for IBM Spectrum Protect Snapshot for Exchange (called exclient.lic) must be installed. The license should be installed in the IBM Spectrum 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 Spectrum Protect Snapshot stand-alone server.

Explanation: Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a IBM Spectrum Protect Snapshot stand-alone server. IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot for Exchange is only licensed to run data protection operations to the IBM Spectrum Protect server. It is not licensed to back up using locally managed snapshots.

Explanation: To back up using locally managed snapshots, a valid IBM Spectrum Protect Snapshot license is required.

System action: Processing stops.

User response: Change the backup destination to backup to the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot license.

Explanation: To issue the command, a license for IBM Spectrum Protect Snapshot is required. If an IBM Spectrum Protect Snapshot license does not exist, the command is not supported.

System action: None.

User response: Install an IBM Spectrum 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 tdpxcc.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 tdpxcc.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 Spectrum 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 Spectrum Protect Snapshot for Exchange ignores the option and processing continues.

System action: IBM Spectrum 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 Spectrum Protect Snapshot for Exchange ignores the filter and processing continues.

System action: IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot uses a temporary mail folder to perform some mailbox restore operations. After the operation completed, IBM Spectrum 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 KEEPPrdb is set to Yes, but the mailboxes are not in the same database.

Explanation: The option KEEPPrdb 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 Spectrum Protect Snapshot for Exchange ignores the filter and processing continues.

System action: IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot for Exchange ignores the filter and processing continues.

System action: IBM Spectrum 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 /USEDNAPOFASNAPTOMOUNT=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 Spectrum 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 Spectrum 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 /USEDNAPOFASNAPTOMOUNT=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.

FMX6114W

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.

Chapter 5. FMY messages

Messages with prefix FMY are issued by the IBM Spectrum Protect Snapshot for Microsoft SQL Server. IBM Spectrum 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.

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:**

FMY0102E • FMY0152I

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 application client cannot work with the version of the IBM Spectrum Protect Snapshot API you have installed. Please install version *version.release.level* or greater.

Explanation: The version of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the version used to build the application client.

System action: Processing ends.

User response: Install a version of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the application client.

FMY0155E The application client cannot work with the release of IBM Spectrum Protect Snapshot API you have installed. Please install release *version.release.level* or greater.

Explanation: The release of the IBM Spectrum Protect Snapshot API currently installed on the system is older than the release used to build the application client.

System action: Processing ends.

User response: Install a release of the IBM Spectrum Protect Snapshot API at or later than the indicated level. A copy is distributed with the application client.

FMY0156E Could not load the IBM Spectrum Protect Snapshot API.

Explanation: The IBM Spectrum Protect Snapshot API could not be loaded.

System action: Processing ends.

User response: Ensure the IBM Spectrum Protect Snapshot API is correctly installed. Run the 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 Spectrum Protect Snapshot API, if this is the case.

FMY0160E An authentication error occurred with your stored IBM Spectrum Protect Snapshot password.

Explanation: You were unable to log on to the IBM Spectrum Protect Snapshot server due an authentication error.

System action: Processing stops.

User response: The stored IBM Spectrum Protect Snapshot password may have become corrupted. Contact your IBM Spectrum Protect Snapshot server administrator.

FMY0161E Authentication error. The password entered is not valid. You are not logged on to the IBM Spectrum Protect Snapshot server.

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct IBM Spectrum 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 Spectrum Protect Snapshot high level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0211E The IBM Spectrum Protect Snapshot low level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect Snapshot low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0212E The IBM Spectrum Protect Snapshot filespace name is too long.

Explanation: An attempt was made to use a IBM Spectrum 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 Spectrum Protect Snapshot transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the IBM Spectrum Protect Snapshot server in a single transaction. The IBM Spectrum Protect Snapshot server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the IBM Spectrum Protect Snapshot server and retry the operation.

FMY0214E The backup object's management class backup copy group does not exist.

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot server administrator.

FMY0216E Unable to obtain space information for volume (*volumename*).

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 Spectrum Protect Snapshot file space name is invalid.

Explanation: The file space name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the file space name length, characters, and directory delimiters are valid.

FMY0218E The IBM Spectrum 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 Spectrum 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 Spectrum Protect Snapshot options file has expired. Please change your password on the IBM Spectrum Protect Snapshot server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your IBM Spectrum Protect Snapshot password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your IBM Spectrum Protect Snapshot server; node using the change password command or by asking your IBM Spectrum Protect Snapshot administrator to change your password.

FMY0257E Your password has expired.

Explanation: Your IBM Spectrum 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 Spectrum Protect Snapshot node using the change password command or by asking your IBM Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 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

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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 Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the 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 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 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 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 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. is only licensed to run data protection operations to a IBM Spectrum 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.
is only licensed to run data protection operations to a IBM Spectrum 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 Spectrum Protect Snapshot.

FMY0589E You are not allowed to set REMOTEDSMAGentnode option. 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 Spectrum Protect Snapshot server has occurred.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the IBM Spectrum Protect Snapshot server and retry the operation.

FMY0591I Communications with the IBM Spectrum Protect Snapshot server recovered.

Explanation: Communications with the IBM Spectrum Protect Snapshot server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMY0592E The TCP/IP session with the IBM Spectrum Protect Snapshot server was canceled.

Explanation: The TCP/IP session with the IBM Spectrum Protect Snapshot server was cancelled.

System action: The operation stops.

User response: Correct the reason the IBM Spectrum Protect Snapshot server administrator cancelled the session and retry the operation.

FMY0593E 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 Spectrum Protect Snapshot to manage snapshot backups using a IBM

Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 DSM_CONFIG (or DSMI_CONFIG if you are using the API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the client, but the option file you provided does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the 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 client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action: 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 client manual specific to your operating system. If the problem persists, ask your 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 Spectrum Protect Snapshot license.

Explanation: To issue the command, a license for IBM Spectrum Protect Snapshot is required. If an IBM Spectrum Protect Snapshot license does not exist, the command is not supported.

System action: None.

User response: Install an IBM Spectrum 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 Spectrum 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 : **Starting backup type backup of database** *database name* **from server** *server name*.

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log when a backup is started.

System action: None

User response: None Centrally logged

FMY3001I : *backup type* **backup of database** *database name* **from server** *server name* **completed successfully.**

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log when a database backup completes successfully.

System action: None

User response: None Centrally logged

FMY3002E : *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 Spectrum Protect Snapshot Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

FMY3003I : **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 Spectrum Protect Snapshot Server activity log when a restore is started.

System action: None

User response: None Centrally logged

FMY3004I : *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 Spectrum Protect Snapshot Server activity log when a database restore completes successfully.

System action: None

User response: None Centrally logged

FMY3005E : *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 Spectrum Protect Snapshot Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

FMY3006I : **Starting backup for server** *server name*.

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log indicating the start of a backup.

System action: None

User response: None Centrally logged

FMY3007I : **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 Spectrum Protect Snapshot Server activity log indicating the end of a backup request.

System action: None

User response: None Centrally logged

FMY3008I : **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 Spectrum Protect Snapshot Server activity log indicating the end of a backup request.

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System action: None

User response: None Centrally logged

FMY3009I : *backup type* **backup of database** *database name* **from server** *server name* **canceled by user.**

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None Centrally logged

FMY3010I : **Starting restore for server** *servername*.

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log indicating the start of a restore.

System action: None

User response: None Centrally logged

FMY3011I : **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 Spectrum Protect Snapshot Server activity log indicating the end of a restore.

System action: None

User response: None Centrally logged

FMY3012I : *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 Spectrum Protect Snapshot Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None Centrally logged

FMY3013I : **Starting Inactivate processing for backup objects from server** *servername*

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log when an inactivate process begins.

System action: None

User response: None Centrally logged

FMY3014I : **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 Spectrum Protect Server activity log to indicate the end of an inactivate command.

System action: None

User response: None

FMY3015I : **Inactivating** *backup type* **backup** *backup object*.

Explanation: This is an informational message written to the IBM Spectrum Protect Snapshot Server activity log when an inactivation of a backup object is started.

System action: None

User response: None Centrally logged

FMY3016I : **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 Spectrum Protect Snapshot Server activity log when a Simple Recovery model database or a system master database is automatically excluded from a backup.

System action: None

User response: None Centrally logged

FMY3528E **is only licensed to run data protection operations to the IBM Spectrum 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, requires that a valid fully-featured license for IBM Spectrum 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 Spectrum 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: 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 error log and Windows event log can contain additional information about this error.

System action: 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 Spectrum Protect Snapshot API error has occurred.

Explanation: A IBM Spectrum 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 is not configured for VSS operations.

Explanation: 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 , and the LOCALDSMAGENTNODE preference must be correctly set. Refer to the User's Guide for details on configuring the client for VSS operations.

FMY5098E Error obtaining VSS information from Local DSMAgent Node: 'localdsmagentnode'.

Explanation: 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. only supports VSS backup type of FULL.

Explanation: An invalid backup type was specified on the VSS backup request. 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. does not support OFFLOAD with the Legacy backup method.

Explanation: The OFFLOAD option was specified when using the Legacy backup method. does not support offload with the Legacy backup method. 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. only supports Legacy backups with a backup destination of TSM.

Explanation: An invalid backup destination was specified with the Legacy backup method. 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. 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. 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 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 is unable to run VSS operations. A valid license file for IBM Spectrum 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 Spectrum Protect Snapshot is installed in the IBM Spectrum 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, 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. only supports restoring VSS backup types of FULL and COPY.

Explanation: An invalid backup type was specified on the VSS restore request. 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. VSS restore does not support RESTOREDATE and RESTORETIME options.

Explanation: An invalid option was specified on the VSS restore request. 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 **: 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 Spectrum Protect Snapshot Server activity log displaying additional statistics at the end of a backup request.

System action: None

User response: None Centrally logged

FMY5196I **: 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 Spectrum Protect Snapshot Server activity log indicating the end of a backup request.

System action: None

User response: None Centrally logged

FMY5197I **: 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 Spectrum 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. 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 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: (filepath name) (high level qualifier) (low level qualifier)

Explanation: When a backup fails, the agent attempts to delete all temporary backup data objects from the server. This message indicates that the specified temporary backup data object could not be deleted from the server. This error is usually caused by the loss of all 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 server.

FMY5453E The number of sessions (number of sessions) is invalid for the specified number of stripes (number of stripes). Processing will continue with the number of sessions (number of sessions) as the number of stripes.

Explanation: An invalid number of 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 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 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 transaction is invalid for the specified number of stripes for at least one of the sessions. All sessions must allow at least one more object per 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 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 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 Server setting that allows 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 Server.

System action: Processing continues.

User response: Make sure the 'backup delete' setting for the specified node name is set to YES on the Server. Your Server administrator can change this setting for your node. The setting can only be changed on the 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 Spectrum 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 Spectrum 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 Spectrum Protect Snapshot API initialization, rc = *returncode*. Examine the *dsierror.log* for more information or determine if the API is installed properly.

Explanation: Errors were encountered during an attempt to run setup for the IBM Spectrum Protect Snapshot API.

System action: Processing continues.

User response: Examine the *dsierror.log* file to determine the problem. If this file does not exist, the

API may not be installed properly. If the API is not installed properly, install the 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 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 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 Spectrum Protect Snapshot virtual server.
A valid IBM Spectrum Protect Snapshot license file could not be located.

Explanation: In order to perform data protection operations to a IBM Spectrum Protect Snapshot virtual server, a valid license for IBM Spectrum Protect Snapshot must be installed in the IBM Spectrum Protect Snapshot installation directory. This license file is named fmclient.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 Spectrum Protect Server.
A valid license file for could not be located.
With the current licenses only data protection operations to the IBM Spectrum Protect Snapshot virtual server can be run.

Explanation: In order to perform data protection operations to the IBM Spectrum Protect server, a valid license for (called sqlclient.lic) must be installed. The license file for should be installed in the installation directory of .

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 Spectrum Protect Snapshot virtual server.

Explanation: Data protection commands default to /BACKUPMETHOD=VSS and /BACKUPDESTINATION=LOCAL when performed against a IBM Spectrum Protect Snapshot virtual server. The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 to recover Microsoft SQL databases from a VM backup.

System action: The software continues to run, but you cannot use 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 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 "*database name*" was excluded from backup because the database name contains special string "*special string*".

Explanation: There are certain characters and strings that conflict with 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 Spectrum Protect Snapshot server.**

Explanation: During the full backup operation, the system found invalid objects on the IBM Spectrum Protect Snapshot server as a result of a previous unsuccessful backup operation. When the full backup is complete, operations deactivate the invalid objects automatically.

System action: operations deactivate the invalid objects on the IBM Spectrum 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.

Chapter 6. FMV messages

Messages with prefix FMV are issued by the IBM Spectrum Protect Snapshot Volume Shadow Copy Service (VSS) Requester. IBM Spectrum 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.

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect is unable to complete the requested operation.

User response: Stop IBM Spectrum Protect and restart IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect is unable to complete the requested operation.

User response: Stop IBM Spectrum Protect and restart IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect(APIOPT).

FMV0221E There was an error in the IBM Spectrum 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 Spectrum 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 Spectrum Protect API.
- A bug in the IBM Spectrum Protect server.
- A bug in the application (or third party) that uses the IBM Spectrum 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 Spectrum Protect server activity log file, client side dserror.log log file, and log files that are specific to the problem application.
- Search the support pages for APARs that match the problem. The support site is at
- If the API application is developed by a third party (not), 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 Spectrum Protect API.

A developer of an application that uses the IBM Spectrum Protect API must investigate the reason for the problem, including reviewing the IBM Spectrum Protect API state diagram. The IBM Spectrum Protect API state diagram is in the product documentation at

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 Spectrum Protect library version.

Explanation: On dsmInit, the caller API version is later than the IBM Spectrum Protect library version.

System action: The system returns to the calling procedure.

User response: Install the latest IBM Spectrum Protect API library.

FMV0245E The caller's structure version is different than the IBM Spectrum Protect library version.

Explanation: The caller's structure version is different than the IBM Spectrum 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 Spectrum Protect API has been corrupted.

Explanation: Memory used by the IBM Spectrum 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 Spectrum 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 dsmapi.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 Spectrum Protect scheduler cannot be started in the traditional manner.

System action: Scheduler stopped.

User response: If you are not going to use dsmcad to

manage the schedule anymore, stop dsmcad 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect signature file. The retrieved files will be removed.

Explanation: A content.spsig file was found, but it is not a IBM Spectrum 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 Spectrum 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 Spectrum Protect signature file.

Explanation: A content.spsig file was found, but it is not a IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 '*filepath-namefile-name*' cannot be created. Path does not exist.

Explanation: The operating system returned a "path not found" status when IBM Spectrum 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 Spectrum Protect client, and
- the environment variable DSM_CONFIG was not set.

System action: IBM Spectrum 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 Spectrum Protect in the IBM Spectrum Protect client manual specific to your operating system. If the problem persists, ask your IBM Spectrum Protect administrator for further assistance.

FMV0991I IBM Spectrum 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 **TCPCCLIENTPORT** 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 Spectrum 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 Spectrum 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 Spectrum Protect client on your operating system. See the IBM Spectrum Protect client manual for your operating system for further information on configuring IBM Spectrum 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 Spectrum 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 Spectrum Protect server, make sure you are connecting to the correct server.
- If you are unable to find a suitable management class, contact your IBM Spectrum 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 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.

FMV1015E • FMV1023E

Depending on the specific error encountered, processing on Solaris clients might stop.

User response: Verify that the file system is supported by the IBM Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect administrator or technical support for further assistance.

FMV1029E Communication with the IBM Spectrum Protect server is lost.

Explanation: This message is issued after the session with the IBM Spectrum 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 Spectrum 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 Spectrum Protect client machine and the IBM Spectrum Protect server machine.
- Contact your IBM Spectrum Protect administrator for further assistance. The IBM Spectrum Protect administrator can review the IBM Spectrum 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 Spectrum Protect task serially for each directory. If the IBM Spectrum Protect task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, check to see `b` 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 the allotted wait time. In the case of the B/A client, this message is preceded in dsmmerror.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 Spectrum Protect client and retry the operation.
- Check the client options file and verify that TCPSEVERADDRESS and TCPPORT specify the correct TCP/IP address and port number for your IBM Spectrum Protect server.
- Verify that network connectivity exists between the IBM Spectrum Protect client machine and the IBM Spectrum Protect server machine.
- If the problem persists, see your IBM Spectrum 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 Spectrum Protect client's TCPSEVERADDRESS setting could not be found on the network. Common reasons for this error include:

- The TCPSEVERADDRESS client option specifies the wrong TCP/IP address for the IBM Spectrum Protect server".
- The machine that hosts the IBM Spectrum Protect server is not on the network.
- A network problem is preventing the IBM Spectrum Protect client from reaching the machine that hosts the IBM Spectrum Protect server.

System action: processing stops.

User response: Verify that the TCPSEVERADDRESS and TCPPORT settings have the correct values for your IBM Spectrum Protect server. Use your operating system's "ping" (or similar) utility to ensure that your

machine can locate the machine that hosts the IBM Spectrum Protect server across the network. Try the operating again. If the problem persists, ask your IBM Spectrum Protect administrator for further assistance.

FMV1034E The specified TCP/IP host name is unreachable

Explanation: The TCP/IP host name specified in the TCPSEVERADDRESS statement cannot be reached.

System action: Processing stopped.

User response: Check your options file for the correct TCPSEVERADDRESS 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 Spectrum Protect client, but the options file you provided does not exist.
- The DSM_CONFIG (or DSML_CONFIG if you are using the IBM Spectrum Protect API) environment variable specifies an options file that does not exist.
- You specified the -OPTFILE option when starting the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client manual specific to your operating system. If the problem persists, ask your IBM Spectrum 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 Spectrum Protect.

System action: Processing stopped.

User response: Correct the options used for running IBM Spectrum 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 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:*'filespace-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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect backup-archive client.

System action: If the file space is for Windows system state, IBM Spectrum 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 Spectrum Protect administrator to delete the older file space from IBM Spectrum Protect storage.

FMV1054E Existing filespace *filespace-name* cannot be renamed to new filespace *filespace-name*. IBM Spectrum 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 Spectrum Protect server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact technical support for additional assistance.

FMV1055I Trying to rename existing filespace *filespace-name* to new filespace *filespace-name*, but drive letters do not match, old=*drive-letter*, new=*drive-letter*. Ignore the old filespace and backup to the new filespace.

Explanation: Trying to rename the existing filespace name using the volume label to the UNC format naming convention but the drive letters do not match. Leave the existing filespace alone and create a new filespace.

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 Spectrum 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 Spectrum 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 technical support for further assistance.

FMV1065E Library version of the image utility does not match that of the IBM Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum Protect.

FMV1073E The file space for domain 'domain-name' could not be found on the IBM Spectrum 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 Spectrum 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 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 Spectrum Protect request for memory allocation.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Protect task serially for each directory. If the IBM Spectrum 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 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 Spectrum 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 '*filespace-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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server. If you have more than one IBM Spectrum Protect server, make sure you are connecting to the correct server, then try the operation again. If the problem persists, contact your IBM Spectrum 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 Spectrum Protect program files, then try the operation again. If the problem recurs, re-install the client software. If the problem persists, 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 Spectrum Protect authorized user or a root user can use IBM Spectrum 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 Spectrum Protect authorized user and try the operation again. See IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect program files, then try the operation again. If the problem recurs, re-install the client software. If the problem persists, 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 Spectrum 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 filespace 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 Spectrum Protect administrator has the authority to delete the file space for you.

FMV1121I A request for removal of file space 'filespace-name' has been successfully sent to the server.

Explanation: IBM Spectrum Protect has requested deletion of the specified *filespace-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 'filespace-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 *filespace-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

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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 Spectrum 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 Spectrum 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 Spectrum Protect administrator has authorized your node to do so.

System action: IBM Spectrum Protect does not delete the archived files.

User response: Use the DSMC QUERY SESSION command to verify your authorization. Ask your IBM Spectrum 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 Spectrum Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Spectrum 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 Spectrum Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 DIRSONLY and FILESONLY options are not valid together

Explanation: The DIRSONLY and FILESONLY options cannot be used together.

System action: Processing stopped.

User response: Try again using either the DIRSONLY or the FILESONLY 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 Spectrum 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 Spectrum 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 namepath-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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect express server

Explanation: This client is not supported by the IBM Spectrum Protect express server. This can occur if:

1. the client is configured as an IBM Spectrum Protect express client using the CLIENTVIEW option
2. the client is trying to connect to an IBM Spectrum Protect express server.

System action: Processing stops.

User response: Log in using a supported IBM Spectrum Protect express client.

FMV1205E This is not a supported IBM Spectrum Protect express platform

Explanation: This is not a supported IBM Spectrum Protect express platform.

System action: Processing stops.

User response: Log in using a supported IBM Spectrum 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 Spectrum 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 Spectrum Protect to this server.

System action: IBM Spectrum Protect initialization fails and the program ends.

User response: See the IBM Spectrum 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 Spectrum Protect initialization fails and the program ends.

User response: See the IBM Spectrum 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 Spectrum Protect initialization fails and the program ends.

User response: See the IBM Spectrum Protect administrator for your system, and make sure that the server to which you are trying to connect, has a valid TCPSEVERADDRESS 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 Spectrum 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 Spectrum Protect administrator to isolate what resource is unavailable. The IBM Spectrum Protect administrator can check the IBM Spectrum 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 Spectrum 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 technical support for additional assistance. Your IBM Spectrum 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 Spectrum Protect cannot recover.**

Explanation: An unknown error occurred. This might be a low-level system or communication error from which IBM Spectrum Protect cannot recover.

System action: Processing stops.

User response: Try the operation again. If the problem persists, review the IBM Spectrum Protect error log for any related messages. Obtain a service trace that captures the problem and contact technical support for additional assistance. Your IBM Spectrum 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 Spectrum 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 Spectrum Protect technical support for further assistance.

FMV1237E A problem has occurred on the IBM Spectrum Protect server.

Explanation: The client error log and the IBM Spectrum 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 Spectrum 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 technical support for additional assistance. Your IBM Spectrum Protect administrator can help you configure the trace.

FMV1238S A policy management problem has occurred on the IBM Spectrum Protect server.

Explanation: The client error log and IBM Spectrum 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 Spectrum 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 technical support for additional assistance. Your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 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 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 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 last one backup copy group.

System action: IBM Spectrum Protect did not backup the file.

User response: The IBM Spectrum 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 Spectrum 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 Spectrum Protect did not archive the file.

User response: The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect Server and the IBM Spectrum 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 Spectrum 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.

FMV1278W • FMV1302E

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 Spectrum 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 Spectrum Protect server. See your IBM Spectrum Protect server administrator for assistance.

Explanation: The IBM Spectrum Protect server encountered an error condition that prevents the IBM Spectrum Protect client operation from continuing. Your IBM Spectrum Protect server administrator can review the IBM Spectrum Protect server activity log for more details about the error.

System action: Processing stopped.

User response: Contact your IBM Spectrum Protect server administrator for assistance. The administrator can review the IBM Spectrum 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 Spectrum 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 Spectrum Protect server will make that file inactive. If the second process subsequently attempts to expire that same file, the IBM Spectrum 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 support for further assistance. Also try searching for this message number on <http://www.ibm.com> for possible solutions.

FMV1305E The IBM Spectrum Protect server has no data for the object.

Explanation: IBM Spectrum 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 Spectrum Protect server.

System action: IBM Spectrum Protect ends the current operation.

User response: Ask the IBM Spectrum Protect administrator to check the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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.

FMV1311E • FMV1318E

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact 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 Spectrum 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 Spectrum 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 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 *.dXXXXXXXXXX*\ where *XXXXXXXXXX*\ 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 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 Spectrum Protect authorized user can perform this Action.

Explanation: User must be a IBM Spectrum 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 Spectrum Protect

System action: IBM Spectrum 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 Spectrum Protect:

- "IBM Spectrum Protect Backup for Administrators"
- "IBM Spectrum Protect Scheduler for Administrators"
- "IBM Spectrum Protect Scheduler Daemon for Administrators"

FMV1333E The remote node is not properly configured on the IBM Spectrum Protect server.

Explanation: The remote node is not properly configured on the IBM Spectrum Protect server.

System action: Processing stopped.

User response: Ensure that the remote node is properly configured and connected to the IBM Spectrum 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 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 Spectrum 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 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 SNAPSHOTCACHELocation does not contain enough space for this snapshot image backup.**

Explanation: IBM Spectrum 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. 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 SNAPSHOTCACHELocation needs to be changed because the specified location is not large enough to handle the usual amount of changes to the volume.

FMV1347E • FMV1353E

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` and/or change the value of the `SNAPSHOTCACHELocation`.

FMV1347E The image snapshot operation failed. The percent of space to use, specified via the `SNAPSHOTCACHESize`, has been exceeded.

Explanation: IBM Spectrum 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 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 Spectrum 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 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 Spectrum Protect process is already performing a snapshot of this volume.

System action: The operation is stopped.

User response: Please wait until the other IBM Spectrum Protect process finishes with the volume and then retry the operation.

FMV1351E Session rejected: All server sessions are currently in use

Explanation: IBM Spectrum 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 Spectrum Protect user ID has expired. It can be either IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect user ID is entered correctly.

Check the administrative ID associated with your IBM Spectrum Protect node and verify that the IBM Spectrum Protect node name has a matching administrative ID with client owner authority for the node. If it does not, your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum

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 Spectrum 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 Spectrum 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 Spectrum Protect are exceeded.**
 See your system administrator.

Explanation: Adding a new enrollment will exceed the product license count for IBM Spectrum 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 Spectrum Protect server has an internal error.**

Explanation: The client cannot establish a connection to the IBM Spectrum Protect server because of an internal server error.

System action: The session was not started.

User response: Notify your IBM Spectrum Protect administrator of this error.

FMV1367E **The client is unable to sign on to the IBM Spectrum Protect server because the server does not allow sign-on of Unicode clients.**

Explanation: The client is not allowed to connect to the IBM Spectrum Protect server.

System action: The session does not start.

User response: Contact your IBM Spectrum Protect administrator for assistance in configuring a working IBM Spectrum 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 Spectrum Protect client.

System action: Operation ends.

User response: Grant authority to this user ID on the IBM Spectrum Protect server so that it can access this IBM Spectrum 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 Spectrum Protect server.

Explanation: The user has probably coded the node option incorrectly. For instance, the node that is registered to the IBM Spectrum 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 namepath-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 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 Spectrum Protect client was unable to create a snapshot of the volume due to some reason. Instead of failing the operation, IBM Spectrum 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 technical support for further assistance.

FMV1378E The snapshot operation failed. The SNAPSHOTCACHELocation does not contain enough space for this snapshot operation.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 '*filepath-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 Spectrum Protect server and cannot be deleted due to missing backup delete rights for this node.

System action: Processing continues.

User response: Ask your IBM Spectrum 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 dsrerror.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 technical support for further assistance.

FMV1423W *'filesystem'* is a virtual mount point. Migration is not supported on virtual mount points.

Explanation: HSM does not support virtual mount points within managed file systems. Files in the virtual mount point folder can not be migrated.

System action: 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 *filesystem-name*.

Explanation: The transaction for image operation for volume *filesystem-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 *filesystem-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 technical support for further assistance.

FMV1426E An error occurred creating the Registry backup directory structure

Explanation: The IBM Spectrum 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 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 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 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 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 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 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 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 Spectrum 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 Spectrum Protect. Remove the ADSM.SYS directory from the root of your system drive, then try the operation again. If the problem persists, contact 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 Spectrum 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 Spectrum Protect snapShot ID :
snapshot-id

IBM Spectrum Protect function name :
function-name

IBM Spectrum Protect function :
function-desc

IBM Spectrum Protect return code :
TSM-rc

IBM Spectrum Protect file : *file-name*
(line-number)

Explanation: None.

System action: Processing continues.

User response: Contact the IBM Spectrum 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 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 '*filepath-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 Spectrum 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 Spectrum 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 Spectrum Protect client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact IBM Spectrum 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 Spectrum Protect client is installed properly. If needed, reinstall the client and/or API. If the problem still exists, contact IBM Spectrum 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 Spectrum 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 Spectrum Protect technical support personnel to determine the cause of the error.

System action: Client exits.

User response: Verify you IBM Spectrum Protect client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact IBM Spectrum 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 '*filespace namepath-namefile-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 Spectrum 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 (dmserv). 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 dmserv, if possible. Otherwise contact your system administrator for further help.

FMV1476E CLUSTERNODE is set to YES but the Cluster Information Daemon is not started.

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 Daemon.

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. Ensure that your clustering service is operational, then try the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 service representative.

FMV1507E This action requires IBM Spectrum Protect administrative authority on this system.

Explanation: An activity has been attempted that must be performed by the IBM Spectrum 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 Spectrum 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 error log: errno = *errno-value*,

Explanation: A failure was encountered when writing to the dsmerror log or dsiererror 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 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 Spectrum Protect administrator must first grant proxy authority.

System action: The IBM Spectrum Protect operation ends.

User response: The IBM Spectrum 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 Spectrum Protect administrator has locked the node you specified as the ASNODENAME option.

System action: The IBM Spectrum Protect operation ends.

User response: The IBM Spectrum Protect server administrator must unlock the node before you can access it. Try the operation later, or check with your IBM Spectrum Protect administrator.

FMV1534E Proxy Rejected: The IBM Spectrum 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 Spectrum Protect technical support for further assistance.

FMV1546W IBM Spectrum 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 Spectrum 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 a 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 its 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 its 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect V7.1.8 or V8.1.2 and later servers.

Explanation: The web client functionality is no longer supported and is unavailable for connecting to IBM Spectrum Protect V7.1.8 or V8.1.2 and later servers.

System action: Processing stopped

User response: Use one of the other supported client interfaces to perform your IBM Spectrum Protect operations. Refer to IBM Spectrum 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 "**dsmc 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 Spectrum 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 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-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 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 dsmcert utility. If the problem persists, contact IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect failed to dynamically load SSL runtime library necessary for SSL protocol

System action: Processing stopped

User response: Make sure IBM Spectrum Protect client is properly installed. Try to reinstall the client software. If the problem persists, contact IBM Spectrum 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 Spectrum 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 Spectrum 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 for further assistance.

FMV1612E The Domino plugin operation failed because of a IBM Spectrum Protect API error.

Explanation: An IBM Spectrum 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 Spectrum Protect API.

Explanation: The IBM Spectrum 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 error logs.

The API error log (dserror.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 Spectrum 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 Spectrum 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 Spectrum 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.

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User response: Check preceding error messages in error log for more information. Retry the operation. If problem continues, contact your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect operation using a hardware or snapshot function.
IBM Spectrum Protect function name :
function-name
IBM Spectrum Protect function :
function-desc
IBM Spectrum Protect return code :
TSM-rc
IBM Spectrum Protect file : *file-name*
(*line-number*)

Explanation: None.

System action: Processing stops.

User response: Contact the IBM Spectrum 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 Spectrum 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 Spectrum 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

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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 Spectrum Protect for 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 Spectrum Protect for 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 Spectrum 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. 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. 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, 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, 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 restarted. If some of the services cannot be started automatically, you can try to restart them.

System action: Processing continues.

User response: No action.

FMV1677W 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, 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, 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 Spectrum Protect restores Single Instance Store (SIS) links as normal files. If the restored version is a duplicate of 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 **TCPSEVERADDRESS** option) is correct. If the problem persists, report it to your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect attempts to replace the file with the hard link.

This message is issued when IBM Spectrum 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 Spectrum Protect administrator.

System action: The operation stops.

User response: Request the IBM Spectrum 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 Spectrum 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 continue because the backup-archive client uses the virtual machine name to uniquely reference the virtual machine on the IBM Spectrum 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 Spectrum 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 Spectrum Protect server.

FMV1716E A VMware vStorage web service task timed-out.

Explanation: The IBM Spectrum 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 Spectrum Protect server query for ordering information failed.

Explanation: Tape optimized recall was not able to retrieve ordering information from the IBM Spectrum Protect server.

System action: Processing stopped

User response: Check the connection to the IBM Spectrum Protect server to see if the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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-ll-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.

FMV1750I • FMV1755W

System action: Processing continues.

User response: It is recommended to rename the correspondent filesystem on IBM Spectrum Protect server and do the full incremental backup again.

FMV1750I Volume mount point '*volumemountpoint*' 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 '*filesystem 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 '*filesystem 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 Spectrum Protect server parameters but an error has occurred. This could be caused by Active Directory or the IBM Spectrum Protect server configuration.

System action: IBM Spectrum 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 Spectrum Protect Administrator has properly configured the IBM Spectrum Protect server for your node.

FMV1756W The Journal for '*backup-specification*' has been reset: The server filesystem was deleted since the last backup completed.

Explanation: The client has reset the journal because the corresponding server filesystem 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 filesystem was deleted since the last backup completed.

Explanation: The client has reset the journal because the corresponding server filesystem 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 filesystem was deleted since the last backup completed.

Explanation: The client has reset the journal because the corresponding server filesystem 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 Spectrum 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 Spectrum 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 Spectrum Protect client operation, it was not possible to unmount the snapshot for some reason. However, IBM Spectrum 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 Spectrum Protect client operation, it was not possible to remove the mount point directory for the snapshot for some reason. However, IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect was unable to find space for a new snapshot.
IBM Spectrum Protect function name :
function-name
IBM Spectrum Protect function :
function-desc
IBM Spectrum Protect return code :
TSM-rc
IBM Spectrum 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 Spectrum 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 V7.3.3 or later to V8.0, you will lose snapshot difference support for unicode file names. Upgrade to Data ONTAP V8.1 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 filesystem '*filesystem 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 Spectrum Protect encountered an error while creating *writer-name* under control of the Windows Volume Shadow Copy Service (VSS). Examine the IBM Spectrum 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 Spectrum 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 Spectrum Protect encountered an error while stopping *writer-name*. Examine the IBM Spectrum 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 Spectrum 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 retart 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 VMDEFAULTDVPORTRGROUP 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 Spectrum 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 Spectrum 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 Spectrum 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 support and report the exact text of this error message. Be sure to provide support with the dsminfo.txt and dsmserror.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 Spectrum 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 Spectrum 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 Spectrum Protect server is unexpectedly lost. Some possible reasons that this message might be issued:

- There is a problem with the network.
- The IBM Spectrum Protect server was shut down.
- The IBM Spectrum Protect server administrator cancelled the client session.

System action: The client will try to reestablish a connection with the server. If the IBM Spectrum 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 Spectrum Protect server administrator and you do

not know why, or if the client is unable to reestablish a session with the IBM Spectrum Protect server, then contact your IBM Spectrum 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 dsmserror.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 Spectrum Protect server administrator increase the COMMTIMEOUT and IDLETIMEOUT option settings on the IBM Spectrum Protect server. This might reduce the frequency of this message.

FMV1810I A session with the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server is running. Insure that the communication program underlying IBM Spectrum Protect is working properly.

FMV1813E Image Backup processing of '*filespace-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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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:
 dsms 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 Spectrum Protect client scheduler features.

FMV1819E The IBM Spectrum 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 Spectrum 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 Spectrum Protect server administrator to check the IBM Spectrum 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 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 technical support or as specified in the IBM Spectrum Protect Problem Determination Guide. If you are not sure which flag names to use, review the IBM Spectrum Protect Problem Determination Guide for additional information or contact 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 Spectrum 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 Spectrum Protect to update the password.

Explanation: The password expired.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect prompts you for the password if IBM Spectrum Protect is running in the foreground.

User response: If IBM Spectrum Protect was running as a background process, issue any IBM Spectrum Protect command from the foreground. Enter the password in answer to the prompt. Then try your background IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client and server. Try the operation again. If the problem persists, contact 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 Spectrum 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 Spectrum 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 Spectrum Protect ended the current operation.

User response: Contact your system administrator for more information.

FMV1877E The parsed string is too long for IBM Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect journaled filesystem '*filesystem*'.

Explanation: You cannot expire files from the server on a IBM Spectrum Protect journaled filesystem.

System action: The expire command will not work on this filesystem.

User response: If you want to expire this filepec 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 Spectrum Protect has processed the specified number of files.

System action: Processing continues.

User response: None.

FMV1899I ***** Examined *count* files *****

Explanation: IBM Spectrum 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$\projx\*
d:\projx\
```

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 Spectrum 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 Spectrum Protect server can perform the conversion. Contact your IBM Spectrum Protect server administrator for assistance.

For Unix or Windows: This error indicates an authorization problem. Contact your IBM Spectrum Protect server administrator for assistance. If the problem still cannot be resolved, contact 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 Spectrum Protect has full access to that directory and its contents.

FMV1930W IBM Spectrum Protect Express client view not supported with a IBM Spectrum Protect Enterprise server. CLIENTVIEW option ignored.

Explanation: The IBM Spectrum Protect Express client view is only supported when going to a IBM Spectrum Protect Express server. When a IBM Spectrum Protect Express client connects to a IBM Spectrum Protect Enterprise server, the CLIENTVIEW option is ignored, and the IBM Spectrum Protect Standard client view is displayed instead.

System action: The CLIENTVIEW option is ignored and the IBM Spectrum Protect Enterprise client view is displayed.

User response: If you intend to use the IBM Spectrum Protect Enterprise server, then update your CLIENTVIEW option to a value of STANDARD. Otherwise, update your TCPSERVERADDRESS option to point to your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 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 Spectrum 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 Spectrum 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 Spectrum Protect Server.

System action: The operation fails.

User response: Upgrade your IBM Spectrum Protect Server to a level that supports this function. See error log for version information.

FMV1979E The IBM Spectrum 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 Spectrum Protect Storage Agent.

System action: The operation fails.

User response: Upgrade your IBM Spectrum Protect Storage Agent to a level that supports this function. See error log for version information.

FMV1980E The IBM Spectrum Protect Server and IBM Spectrum 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 Spectrum Protect Server and IBM Spectrum Protect Storage agent

System action: The operation fails.

User response: Upgrade your IBM Spectrum Protect Server and IBM Spectrum 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 *SArel*, 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 Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum Protect client error log or schedule log should contain additional messages related to this error.

System action: Processing stops.

User response: Check the IBM Spectrum 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 Spectrum 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 Spectrum 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 **'*symboliclink 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 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 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 Spectrum Protect server client options set.**

Explanation: The client received an invalid option from the IBM Spectrum 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 Spectrum Protect client.
- Missing brackets or directory delimiters.
- Include and exclude patterns that are too complex.

System action: The option is ignored by the IBM Spectrum Protect client.

User response: Contact the IBM Spectrum 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 Spectrum 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 '*symboliclink*':is a symbolic link to a file or directory in another filesytem. 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 Spectrum 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 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 Spectrum Protect data mover node connects directly to an ESX/ESXi host. Modify the VMCHOST to connect the IBM Spectrum 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 Spectrum Protect function name :
function-name
IBM Spectrum Protect function :
function-desc
IBM Spectrum Protect return code :
TSM-rc
IBM Spectrum Protect explanation :
TSM-msg
IBM Spectrum Protect file : *file-name*
(line-number)

Explanation: None.

System action: Processing the system state stops.

User response: Contact the IBM Spectrum 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 Spectrum 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 Spectrum 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_volume* 2. *shark_copy_service_code* 3. *java_home_directory* 4. *primary_copyservices_servername* 5. *shark_username* 6. *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 exists 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 in 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 Spectrum Protect operation using a hardware or snapshot function.

IBM Spectrum Protect function name :
function-name

IBM Spectrum Protect function :
function-desc

IBM Spectrum Protect return code :
TSM-rc

IBM Spectrum Protect file : *file-name*
(*line-number*)

Explanation: None.

System action: Processing stops.

User response: Contact the IBM Spectrum 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 '*fst_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 Spectrum 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 Management 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 Spectrum 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 Spectrum 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 '*filespace namepath-namefile-name*': error scanning snapshot

Explanation: This message is issued when the IBM Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server is not available, allow the node to fail over to the secondary server as configured by the primary IBM Spectrum 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 Spectrum Protect server administrator and are saved in the options file.

System action: Processing continues.

User response: Contact the IBM Spectrum Protect server administrator to verify if the primary server is available. If the primary server is available, check the IBM Spectrum Protect error log for communications failures and correct any configuration issues. If the IBM Spectrum Protect server is not available, allow the node to fail over to the secondary server as configured by the primary IBM Spectrum 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 Spectrum 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 Spectrum 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, REPLTCPPORT, and REPLTCPSEVERADDRESS must also be specified. These options are normally set by the IBM Spectrum 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 Spectrum Protect client has established a session with a server that is configured as 'read-only'. The IBM Spectrum Protect server is configured as a replication server and will not accept data from this node.

System action: Processing continues.

User response: The IBM Spectrum Protect may be used for Restore, Retrieve and Query operations. Backup and Archive commands will fail. The IBM Spectrum 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 Spectrum Protect client has failed over and established a session with a secondary server. The IBM Spectrum 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 Spectrum Protect client for Restore, Retrieve, and Query operations. Backup and Archive operations will fail.

FMV2114W IBM Spectrum 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 Spectrum Protect Administrator, sent to the client during logon, and are saved to the options file.

System action: Processing continues.

User response: None.

FMV2116W IBM Spectrum 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 dsmerlog 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 *filesystem* *filesystem*;

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 Spectrum 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 Spectrum Protect Server.

Explanation: The required snapshot data was unable to be retrieved from the IBM Spectrum Protect Server.

System action: The operation stopped.

User response: Check the dsmerror.log file for information about why the data was not retrieved. Then, try the operation again. If the problem persists, visit the 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 dsmerror.log file for information about why the operation failed. Then, try the operation again. If the problem persists, visit the 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 Spectrum Protect server is in read only mode.

Explanation: The server has prevented a store operation on the IBM Spectrum 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 Spectrum 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 Spectrum Protect client and retry the command.

Explanation: The server has prevented a store operation on the secondary IBM Spectrum Protect server. The secondary server reports that the primary server is available. However, the IBM Spectrum Protect client failed over to the secondary server.

System action: Processing stops.

User response: Restart the IBM Spectrum Protect client and verify the primary server connection is made. If the IBM Spectrum Protect client is unable to connect to the primary server, contact the IBM Spectrum 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 dsmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the 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 Spectrum 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 Spectrum Protect.

Explanation: The target vCenter or ESX/ESXi host is no longer supported, for virtual machine backups, by this version of IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server for the file system was not yet added to the multi-server environment.
- The IBM Spectrum 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 Spectrum 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 Spectrum Protect server is the default server for the file system and must be removed last.
- The IBM Spectrum 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 Spectrum Protect server (*default-server-name*) for this file system.

Explanation: The requested IBM Spectrum Protect server was not added to the multi-server environment. The requested IBM Spectrum Protect server is not the default server for the file system.

System action: HSM multi-server processing stops.

User response: Add the default IBM Spectrum Protect server first.

FMV2159I The server '*server-name*' was added to the environment.

Explanation: The requested IBM Spectrum 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 Spectrum 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 Spectrum Protect server for this environment.

Explanation: The requested IBM Spectrum 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 Spectrum Protect server name.

FMV2162E HSM cannot be removed from the file system. The IBM Spectrum 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 Spectrum Protect servers from the multi-server list before removing HSM.

FMV2163E The default IBM Spectrum Protect server (*server-name*) for the file system will be removed.

Explanation: The default IBM Spectrum Protect server will be removed.

The IBM Spectrum 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 Spectrum Protect server was removed from the multi-server environment.

System action: HSM multi-server processing continues.

User response: None

FMV2166I The IBM Spectrum Protect server '*server-name*' is not included in the multi-server environment.

Explanation: The requested IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server.

System action: HSM continues with normal operation.

User response: Use the correct server to process the file.

FMV2171E The DMAPI version '*dapi-version*' is not supported.

Explanation: The DMAPI version installed on this node is not supported from the given IBM Spectrum 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 Spectrum 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 "*filename*" could not be copied to "*target*".

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum Protect Journal Engine setup wizard. The "*baclient*" and "*config*" directories can be found in the directory where you installed the 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 Spectrum 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 Spectrum 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 Spectrum Protect for Virtual Environments vCloud runtime library is installed. If necessary, reinstall IBM Spectrum 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 dserror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the 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 Spectrum Protect client uses an VSS staging directory to store files related to VSS snapshot operations. The IBM Spectrum Protect client was unable to create this directory structure.

System action: The IBM Spectrum Protect client stopped.

User response: If the problem persists, contact 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 dsmdir.log file for any additional messages that might be related to this problem. If the problem persists, visit the 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 dsmdir.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 Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>. Contact

IBM Spectrum 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 dsmdir.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 Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>. Contact IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 dsmserror.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 Spectrum 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 filesystem because it is owned by a IBM Spectrum Protect API application.

Explanation: IBM Spectrum Protect Client cannot archive or backup files into a file space that is used a IBM Spectrum Protect API application.

System action: Processing stops.

User response: Use separate node names for IBM Spectrum Protect Client and IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server, either ask the IBM Spectrum 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 Spectrum 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 Spectrum Protect.

Explanation: The (-SNAPSHOTROOT) option is incompatible with IBM Spectrum 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 Spectrum Protect snapshot providers be used instead of using the (-SNAPSHOTROOT) option. Processing will continue without the use of the IBM Spectrum Protect snapshot providers.

System action: Processing continues without the use of the IBM Spectrum 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 Spectrum 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 dsmerror.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 category '*cat*' was not found.

Explanation: The option 'VMTAGDATAMOVER' is enabled so that categories and tags can be applied to virtual machines, but the category was not found.

System action: The backup operation continues without tagging support.

User response: Create the required 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 dsmerror.log file for specific errors that are related to this issue.

FMV2233I The tag '*tag*' for category '*cat*' was not found.

Explanation: The option 'VMTAGDATAMOVER' is enabled so that categories and tags can be applied to virtual machines, but the tag was not found.

System action: The operation continues without tagging support.

User response: Create the required 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 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 VMMAXVIRTUALDISKS option. These disks will be excluded from the backup.

Explanation: The IBM Spectrum 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 VMMAXVIRTUALDISKS 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 Spectrum 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 Spectrum 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 technical support.

FMV2253W The version of the message catalog, *catalogversion*, in use by IBM Spectrum Protect does not match the version of IBM Spectrum Protect, *clientversion*

Explanation: A check of the catalog version indicates the catalog and IBM Spectrum 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 Spectrum Protect, verify the message catalog files match the installed version of IBM Spectrum Protect. Re-installation of IBM Spectrum 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 Spectrum Protect password file.

Explanation: In multi-process environment IBM Spectrum 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 Spectrum Protect client failed to lock options file.

Explanation: In multi-process environment IBM Spectrum 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 Spectrum 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 dismantled.

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 dserror.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 Spectrum 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 `dsmc 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 Spectrum 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 Spectrum Protect operation involving Windows Management Instrumentation has occurred.

User response: Restart the Windows Management Instrumentation service.

FMV2336W IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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:
hyperomessage
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 VMCHOST 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 V CLOUD 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 V CLOUD 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 V CLOUD 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 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 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 dsmserror.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 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 dsmserror.log for additional information

FMV2410E **Instant Restore information for the specified virtual machines was not found.**

Explanation: The 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 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 Spectrum Protect Recovery Agent is not installed.**

Explanation: IBM Spectrum Protect Recovery Agent is not installed.

System action: Processing stops.

User response: Ensure that IBM Spectrum Protect Recovery Agent is correctly installed and configured.

FMV2413E **Cannot find the Recovery Agent shell command in the expected installation path. Ensure that IBM Spectrum 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 Spectrum 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 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 helpfull 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 Spectrum 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 Spectrum 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 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 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 dsmerror.log file and the 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 dsmerror.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 Spectrum Protect Changes to the restored VM might not be permanently saved.

System action: IBM Spectrum 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 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 dsmerror.log file and the 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 vMothion.

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 Spectrum 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 Spectrum 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 dserror.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: 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 Spectrum 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 Spectrum 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 Spectrum Protect server.

Explanation: No backups are found for the VM on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 dsmerror.log file for additional information, and contact the IBM Spectrum 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 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 Spectrum 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: *dsmerror.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 Spectrum 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 Spectrum 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 Spectrum Protect client machine.

System action: The IBM Spectrum 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 Spectrum Protect client machine.

System action: The IBM Spectrum 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 Spectrum Protect client acceptor on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client acceptor on the IBM Spectrum 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 Spectrum Protect client machine went down.
- You are trying to connect to the IBM Spectrum Protect client machine using the wrong port number.
- The client acceptor on the IBM Spectrum Protect client machine is not up and running and accepting connections.

System action: The IBM Spectrum 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 Spectrum 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 Spectrum Protect client ends.

User response: Retry the operation and make sure the LAN is up. Make sure that both the IBM Spectrum Protect server and the IBM Spectrum 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 Spectrum 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 Spectrum Protect error eog for any additional information

Explanation: An unknown error occurred in the IBM Spectrum Protect client.

System action: The IBM Spectrum Protect client ends.

User response: Retry the operation. If the problem persists, check the IBM Spectrum 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 Spectrum 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 Spectrum Protect Java applet, then reproduce the problem. Collect the traces and contact for further assistance.

FMV2614S A protocol error occurred in communications between the client and the server.

Explanation: A protocol error happened between the IBM Spectrum Protect client and the IBM Spectrum Protect server.

System action: The IBM Spectrum Protect client ends.

User response: Retry the operation. If the problem persists, check the IBM Spectrum 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 Spectrum Protect client.

System action: The IBM Spectrum Protect operation ends.

User response: Verify that the node name entered is configured correctly on the IBM Spectrum 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 Spectrum 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 Spectrum Protect client acceptor could not start the IBM Spectrum Protect Remote Client Agent.

System action: The IBM Spectrum Protect operation ends.

User response: Check the error log on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect administrator. If the ID does not exist, then the IBM Spectrum 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 Spectrum

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 to 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 'psc-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 VSCLOUD 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 dserror.log file for any additional messages that might be related to this problem, enable VSCLOUD 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 dserror.log file for any additional messages that might be related to this problem, enable VSCLOUD 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 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 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 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 source 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 Spectrum 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 additional information in the error log.

System action: IBM Spectrum Protect cannot select the volume.

User response: Delete the last snapshots created as they are not managed by IBM Spectrum Protect. Unmount the duplicate volume path in order to have a single mount point to the same source volume. Restart IBM Spectrum 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 Spectrum 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 VMMAXVIRTUALDISKS 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 Spectrum 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.

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 dsmererror.log file for information about why the VM was not imported. Then, try the operation again. If the problem persists, visit the 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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.

FMV2716E • FMV2722E

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 Spectrum 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 Spectrum Protect administrative command-line client:

```
. dsmadm 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect, set the READstartsrecall option to YES or NO.

FMV2725E IBM Spectrum Protect application protection could not register the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client cannot backup virtual machines with disks that exceed the limit of two terabytes.

Explanation: The IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect processes were found.

Explanation: The QUERY PIDS command was unable to identify any known IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Administrator to ensure that your DataCenter Nodes have granted proxy authority to your DataMover Nodes.

FMV2812E The IBM Spectrum Protect for Virtual Environments could not find Datamover node named '*datamover nodename*' on the IBM Spectrum 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 Spectrum Protect node name and that the node has the proper proxy relationships established.

FMV2813E The IBM Spectrum Protect Server returned an empty network address or port number for '*datamover nodename*'.

Explanation: While querying the IBM Spectrum 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 Spectrum Protect for Virtual Environments command again. If the problem persists, work with your IBM Spectrum Protect Server Administrator to inspect the IBM Spectrum Protect Server activity log to identify the issue.

FMV2814E IBM Spectrum 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 Spectrum 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 Spectrum Protect for Virtual Environments detected that the IBM Spectrum 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 Spectrum 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 Spectrum Protect Server address.

FMV2817E IBM Spectrum 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 Spectrum Protect for Virtual Environments detected that the IBM Spectrum Protect Server port was not specified.

Explanation: While parsing the command line options,

an empty IBM Spectrum Protect Server port was detected.

System action: The operation cannot continue without a valid IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 *filepath 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 Spectrum 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 dsmd 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 Spectrum Protect AIX 64 bit and Linux 86 clients.

System action: Processing stops.

User response: Try the command again with an IBM Spectrum Protect AIX 64 bit or Linux 86 client.

FMV2842E IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 successful 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 dserror.log file for information about why the VMs were not restored. Then, try the operation again. If the problem persists, visit the Support Portal for additional information at <http://www.ibm.com/support/entry/portal/>.

FMV2900E IBM Spectrum 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.

FMV2901E • FMV3004E

System action: The operation cannot continue without a valid scan domain.

User response: Run the operation again and specify the -domain option.

FMV2901E IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Web Client (*ip-address*).

Explanation: A request for the Web Client is being processed.

System action: None.

User response: None.

FMV3007I IBM Spectrum 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 Spectrum Protect client software. If the problem persists, contact 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server.

FMV3128E The node name of the Windows mount proxy does not comply with IBM Spectrum Protect naming conventions.

Explanation: An error occurred while querying the IBM Spectrum 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; iscsiadm -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, `iscsiadm -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 Spectrum Protect Recovery Agent service is not installed.

Explanation: IBM Spectrum Protect Recovery Agent service is not installed.

System action: Operations cannot continue.

User response: Ensure that IBM Spectrum Protect Recovery Agent is correctly installed and configured.

FMV3168E IBM Spectrum Protect Recovery Agent service is not running.

Explanation: IBM Spectrum Protect Recovery Agent service is not running.

System action: Operations cannot continue.

User response: Start IBM Spectrum Protect Recovery Agent service. The Recovery Agent can be started using "net start RecoveryAgent" or by referencing IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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\Parameters\CrPolicy 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 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 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 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 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 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 Spectrum 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 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 Spectrum 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 `ulimit` 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 Spectrum 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 Spectrum Protect administrator.

System action: Processing stops.

User response: Contact your IBM Spectrum 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 Spectrum 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 technical support for further assistance.

FMV3418W Memory allocation request for image backup operation was refused by the operating system.

Explanation: IBM Spectrum 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 'filespace-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 'filespace-name' could not be found on the IBM Spectrum 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 Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum Protect cannot select the drive.

User response: If the volume needs to be available to the system, exit IBM Spectrum Protect, and assign a volume label to the drive. Restart IBM Spectrum 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 'filespace 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 Spectrum Protect.

System action: File skipped.

User response: None.

FMV4006E Error processing 'filespace namepath-namefile-name': directory path not found

Explanation: The operating system returned a "path not found" status when IBM Spectrum 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 Spectrum 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 'filespace 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 'filespace 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 'filespace 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 'filespace 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 'filespace 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 *'filespace 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 *'filespace 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 *'filespace 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 Spectrum Protect administrator.

FMV4015E *'filespace namepath-namefile-name':* **unexpected IBM Spectrum Protect error (error-code) encountered**

Explanation: An unexpected error occurred. This might be a low-level system or communication error that IBM Spectrum 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 Spectrum Protect administrator for further help.

FMV4016E *'filespace 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 *'filespace 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 *'filespace namepath-namefile-name':* **file name too long**

Explanation: The file name specified is too long to be handled by IBM Spectrum 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 Spectrum Protect.

FMV4019E *'filespace 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 Spectrum 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 Spectrum Protect.

Explanation: When a file is backed up or archived, IBM Spectrum Protect includes some additional information about the file. This message is issued if IBM Spectrum 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 Spectrum 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 Spectrum Protect client software. If the problem persists, contact 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 Spectrum 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 dsmerror.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 Spectrum 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 'filespace 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 'filespace 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 'filespace namepath-namefile-name': unable to build a directory path; a file exists with the same name as a directory

Explanation: IBM Spectrum 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 'filespace 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 Spectrum Protect limit.

Explanation: During a file operation, IBM Spectrum 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 Spectrum Protect maximum. The internal IBM Spectrum 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 Spectrum 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 Spectrum Protect internal limits.

FMV4032E Error processing 'filespace 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 'filespace 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 Spectrum Protect canceled the operation.

User response: Obtain a machine with more memory and retry the operation.

FMV4034E Error processing '*filesystem namepath-namefile-name*': unknown system error

Explanation: An unknown error occurred. This might be a low-level system or communication error that IBM Spectrum 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 '*filesystem namepath-namefile-name*' currently unavailable on server.

Explanation: You tried to restore or retrieve a file that is currently not available from the IBM Spectrum Protect server.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Server and the IBM Spectrum 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 Spectrum 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 Spectrum Protect detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action: IBM Spectrum 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 Spectrum Protect client from reading the snapshot.

System action: IBM Spectrum 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 Spectrum Protect client will failover to non LAN-Free support.

User response: Review the IBM Spectrum 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 Spectrum Protect client successfully established LAN-Free connection with server, after the LAN-Free connection was broken.

System action: The IBM Spectrum Protect client will communicate with the server via LAN-Free.

User response: Review the IBM Spectrum 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 Spectrum Protect administrator has been disabled from executing the scheduled action on the client.

Explanation: One or more of the client options - schedcmddisabled, srprepoptscheddisabled, srprepoptsnapdisabled, restretscheddisabled, have been set to YES on the client thereby preventing the IBM Spectrum 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 Spectrum Protect Server indicating this.

User response: None required.

FMV4051E Error processing '*filepath-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 '*filepath-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 '*filepath 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 '*filepath-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 Spectrum Protect server is not compatible with this client

Explanation: The file space on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client.
- The object was backed up or archived to a version 5.5 or lower IBM Spectrum Protect server.
- IBM Spectrum Protect client version 6.2 or higher is attempting to perform an operation that causes the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 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 'filespace namepath-namefile-name': unable to create symbolic link; a file or directory exists with the same name as the symbolic link

Explanation: IBM Spectrum 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 'filespace 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 Spectrum 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 'filespace-name': file space type is not supported.

Explanation: The specified file space type is not currently supported by IBM Spectrum 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 '*filesystem-namepath-namefile-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 Spectrum 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.modification.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 Spectrum 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.modification.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 Spectrum 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

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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 technical support for additional assistance. Your IBM Spectrum Protect administrator can help you configure the trace.

FMV4137E Error processing '*filepath*
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 Spectrum Protect error log for
detailed error messages.

Explanation: Failure initializing VMware virtual machine environment. Refer to IBM Spectrum Protect error log for detailed error messages.

System action: The backup can not continue.

User response: Refer to IBM Spectrum 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 Spectrum Protect administrator must first grant proxy authority.

User response: The IBM Spectrum 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 '*vmfullname*' 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 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 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 Spectrum 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 Spectrum 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 Spectrum Protect data mover node connects directly to a vCenter Server. Modify the VMHOST to connect the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect node for the specified organization VDC was not found on the IBM Spectrum 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 Spectrum Protect nodes are registered on the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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. Manully 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 client directly from the non-global zones and reschedule the deployment.

FMV4282E Sparse-root non-global zone(s) were found with 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 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 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 dsmeror.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 Spectrum Protect detected Microsoft Active Directory Domain Controller on virtual machine '*VM*'.

Explanation: The virtual machine contains Microsoft Active Directory Domain Controller.

System action: IBM Spectrum Protect saved additional information about this virtual machine.

User response: None

FMV4302W IBM Spectrum 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 Spectrum Protect continues backing up this virtual machine.

User response: Check IBM Spectrum 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 Spectrum Protect could not detect the IBM Spectrum 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 Spectrum Protect for Virtual Environments license is not detected. The Domain Controller will not be protected.

System action: Install IBM Spectrum 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 dsmserror.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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect Recovery Agent is not correctly installed and configured.

System action: The file restore mount operation failed.

User response: Ensure that the IBM Spectrum 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: '*filepath 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 contiues.

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 Spectrum 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 Spectrum 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 blanks 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 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 Spectrum Protect server and performing a snapshot difference incremental backup.

FMV4973E An error occurred accessing NTFS security information for file '*filesystemnamepath-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 SkipNTSecurty option.

FMV4974E Error processing '*filesystemnamepath-namefile-name*': a required NT privilege is not held.

Explanation: The user account running IBM Spectrum 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 '*filesystemnamepath-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 '*filesystemnamepath-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 Spectrum Protect server. This is most likely a temporary condition.

System action: IBM Spectrum 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 Spectrum Protect administrator for assistance.

FMV4989E Error processing '*filesystemnamepath-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 Spectrum Protect.

System action: IBM Spectrum 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 Spectrum Protect.

System action: IBM Spectrum 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 Spectrum Protect.

System action: IBM Spectrum 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 Spectrum Protect.

System action: IBM Spectrum 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 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 Spectrum Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Spectrum 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 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 Spectrum Protect server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect did not archive the files.

User response: See your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect cannot allocate memory for the specified backup operation.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect system administrator, who can allocate more resources to archive storage.

FMV5021I Archive completed

Explanation: An archive was completed.

System action: IBM Spectrum 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 Spectrum 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 MatchAllChar and MatchOneChar options MUST precede Include/Exclude options

Explanation: The MatchAllChar and MatchOneChar options must precede any include-exclude options.

System action: Current application ends

User response: Move the MatchAllChar and MatchOneChar options 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 Spectrum Protect server. See your IBM Spectrum Protect server administrator for assistance.

Explanation: The IBM Spectrum Protect server encountered an error condition that prevents the IBM Spectrum Protect client operation from continuing. Your IBM Spectrum Protect server administrator can review the IBM Spectrum Protect server activity log for more details about the error.

System action: The processing stopped.

User response: Contact your IBM Spectrum Protect server administrator for assistance. The administrator can review the IBM Spectrum 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 Spectrum Protect server

Explanation: The IBM Spectrum Protect client was trying to restore or retrieve data that is currently unavailable on the IBM Spectrum Protect server. Possible causes are:

- Data is corrupted at the IBM Spectrum Protect server
- The IBM Spectrum Protect server encountered a read error
- File is temporarily involved in a reclaim operation at the server
- The IBM Spectrum 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 Spectrum Protect server administrator for further assistance. The administrator can review the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect are exceeded. See your IBM Spectrum Protect administrator.

Explanation: Adding a new enrollment will exceed the product license count for this IBM Spectrum Protect server.

System action: The client enrollment or connection request ends.

User response: See your IBM Spectrum 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 Spectrum Protect ends the current operation.

User response: The filespace you selected does not exist any more. See your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect cannot select the volume.

User response: If the file space needs to be available to the system, exit IBM Spectrum 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 Spectrum 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 Spectrum Protect client options files replacing your current option file. Would you like to continue?

Explanation: IBM Spectrum 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 Spectrum Protect may stop

User response: If the current version of dsm.opt is needed, rename the file and restart IBM Spectrum Protect. If the current version is not needed, select yes and allow IBM Spectrum 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 Spectrum Protect did not back up the file.

User response: See your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect will not back up or migrate an implicitly excluded file.

User response: None.

FMV5155E The valid password is not available. The IBM Spectrum Protect administrator for your system must run IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect cannot select the drive for backup or archive operations.

User response: If the volume needs to be available to the system, exit IBM Spectrum Protect and assign a unique volume label to the drive. Restart IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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. 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 Spectrum 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 Spectrum 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 Spectrum Protect administrator has authorized your node to do so.

System action: IBM Spectrum Protect does not delete the backed up files.

User response: Use the DSMC QUERY SESSION command to verify your authorization. Ask your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 VM_MAXPARALLEL 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 VM_MAXPARALLEL 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 VM_MAXPARALLEL 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 dserror.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 may be 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 dsmt 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect function name :**
function-name
IBM Spectrum Protect function :
function-desc
IBM Spectrum Protect return code :
TSM-rc
IBM Spectrum Protect file : *file-name*
(line-number)

Explanation: None.

System action: Processing stops.

User response: Contact the IBM Spectrum Protect administrator with the information provided in this message.

FMV5251E The snapshot provider is not available for this operation.

Explanation: IBM Spectrum 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 Spectrum Protect snapshot plugin "pivss.dll" is present.

**FMV5252E IBM Spectrum Protect attempted to execute a system command which failed.
command : *command*
rc : *rc***

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum

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 Spectrum Protect encountered an error while initializing the Microsoft Volume Shadow Copy Service for backup or restore. The IBM Spectrum Protect error log and Windows event log can contain additional information about this error.

System action: IBM Spectrum Protect stops the operation.

User response: Try the operation again. If the error persists, review the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect directory.

System action: Restore will failover to alternate restore method of 'file-level copy from snapshot volume'.

User response: Contact your IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect client options files replacing your current option file. Would you like to continue?

Explanation: IBM Spectrum 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 Spectrum Protect may stop

User response: If the current version of *dsm.sys* is needed, rename the file and restart IBM Spectrum Protect. If the current version is not needed, select yes and allow IBM Spectrum 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 generates .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 Spectrum 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 Spectrum Protect Authorized user. You must be an IBM Spectrum Protect Authorized user to perform the current operation.

Explanation: In order to perform normal IBM Spectrum Protect operations you must be an Authorized user. Please refer to the 'IBM Spectrum 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 Spectrum 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 Spectrum Protect server and *count* file list objects ****

Explanation: IBM Spectrum Protect has processed the specified number of IBM Spectrum 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 Spectrum Protect Server.

System action: The current file is skipped for synchronous file deletion and the process will continue.

User response: Check the IBM Spectrum 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 Spectrum 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 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 , 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 Spectrum 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 , 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect support site.

System action: The scheduled action is not performed or queried.

User response: Search the IBM Spectrum 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 Spectrum 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 Spectrum Protect administrator to correct the appropriate copygroup definition on the IBM Spectrum 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 Spectrum 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 dsmcad service is too long and thus invalid.

System action: IBM Spectrum 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 Spectrum 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 Spectrum Protect prompts you to enter a valid node name.

User response: Enter a valid, non-NAS, IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect technical support personnel to determine the cause of the failure.

System action: The processing stops.

User response: Ensure IBM Spectrum 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 Spectrum Protect server or network problems that may affect the transfer of data. If the problem still exists, contact IBM Spectrum 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 Spectrum Protect software is installed correctly. If needed, reinstall the software. Retry the operation. If the problem still exists, contact IBM Spectrum 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 Spectrum Protect software is installed correctly. If needed, reinstall the software. Make sure there are no IBM Spectrum Protect server or network problems that may affect the transfer of data. Retry the operation. If the problem still exists, contact IBM Spectrum 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 Spectrum Protect software is installed correctly. If needed, reinstall the software. Retry the operation. If the problem still exists, contact IBM Spectrum 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 Spectrum 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.

FMV7557E • FMV7650E

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 Spectrum Protect.**

Explanation: The user account used to execute IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server

Explanation: The deduplication cache contains deduplicated extent entries that do not exist on the IBM Spectrum Protect server. This occurs when the extents are deleted from the IBM Spectrum 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 Spectrum 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 DR Hub repository. Retry using server repository.

System action: Retry operation.

User response: Specify a valid repository.

FMV7908E Unable to mount snapshot policy '*Policy*' client '*Client*' volume '*Volume*'. Reason: *reason*

Explanation: IBM Spectrum Protect Mount failed.

System action: IBM Spectrum 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 environment. FastBackShell or FastBackMount are not installed or are not located in the install directory.

System action: The 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 client '*vmname*' failed with RC *rc*

Explanation: The archive or incremental backup of client volumes failed.

System action: The archive or backup of client finished with failures. The next 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 client '*vmname*' with command. RC=*rc*

Explanation: The FastBackMount command failed to mount a volume.

System action: The archive or backup of the 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 command for the volume to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV7916E Failure initializing environment. RC=*rc*

Explanation: Failure initializing environment. Can not find FastBackShell.exe command. The FastBackShell or FastBackMount is not installed or FastBackShell.exe command is not located in the install directory.

System action: The backup can not continue. The output of the command will show the reason for the failure.

User response: Issue a 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 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 client '*vmname*' volumes. Failed with RC=*rc*

Explanation: client volumes can not be found. Volume mount points are not available on the backup proxy computer.

System action: The backup of the client can not continue. The next 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 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 `dsmc SET PASSWORD -type=FastBack 'hostname' 'userid' 'password'` to save encrypted password

System action: The backup cannot continue.

User response: Use `dsmc SET PASSWORD -type=FastBack 'hostname' 'userid' 'password'` to save encrypted password

FMV7936E *objType objName* not found in dump.

Explanation: IBM Spectrum Protect server could not find the object that is specified in the Dump command..

System action: IBM Spectrum Protect skips the current object.

User response: Ensure that there is at least one snapshot for this 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 Spectrum Protect server found no clients for the specified policy. IBM Spectrum Protect server found no volumes for the specified client.

System action: IBM Spectrum Protect skips the current object.

User response: Ensure that there is at least one snapshot for this volume, client, and policy. Ensure that a correct object is specified as input.

FMV7938E Unable to dismount volume '*volName*'.
RC = *rc*

Explanation: IBM Spectrum Protect Dismount failed.

System action:

User response:

FMV7939E Invalid volume specification.

Explanation: You must enter at least one client with the `"-fbclientname="` option before entering a volume name.

System action:

User response: When entering a volume name, enter at least one client name using the `"-fbclientname="` option.

FMV7940W SUBDIR NO is not valid in this context. SUBDIR will be forced to YES for commands.

Explanation: When using `,` 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 invalid repository name or domain not set in password file entry for *hostname*.

Explanation: IBM Spectrum Protect The 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 Spectrum Protect

User response: Issue the command `dsmc set password server userid:domain password -type=fastback`.

FMV7942E Maximum number of *objName* objects exceeded.

Explanation: IBM Spectrum Protect The maximum number of objects shown in the message has been exceeded.

System action: IBM Spectrum 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 Spectrum Protect The combination of options specified is invalid.

System action: IBM Spectrum Protect

User response: Re-run the command with a compatible set of options.

FMV7944W The number of clients specified *client* is greater than the number of clients found *client*.

Explanation: IBM Spectrum Protect One or more of the clients specified was not found. Look for message FMV7936E specifying the client name.

System action: IBM Spectrum Protect

User response: Correct the names of the clients specified.

FMV7945W The number of policies specified *policy* is greater than the number of policies found *policy*.

Explanation: IBM Spectrum Protect One or more of the policies specified was not found. Look for message FMV7936E specifying the policy name.

System action: IBM Spectrum Protect

User response: Correct the names of the policies specified.

FMV7946E shell command timeout.SSH Keys may not be configured for no password.

Explanation: IBM Spectrum Protect The shell command timeout. SSH may not be configured properly.

System action: IBM Spectrum Protect

User response: Correct SSH configuration.

FMV7947E The root user .ssh directory was not found. SSH is not configured properly.

Explanation: IBM Spectrum Protect SSH is not configured properly for the root user.

System action: IBM Spectrum Protect

User response: Correct SSH configuration.

FMV7948E The public key for the server was not found. SSH public keys are configured properly.

Explanation: IBM Spectrum Protect The SSH public keys are not configured properly for the root user.

System action: IBM Spectrum Protect

User response: Correct SSH configuration.

FMV7949E The connection to server failed.

Explanation: IBM Spectrum Protect The connection to server failed.

System action: IBM Spectrum Protect

User response: Insure that the server on the target machine is runing properly.

FMV7950E The server is not installed on the target machine.

Explanation: IBM Spectrum Protect The server is not installed on the target machine.

System action: IBM Spectrum Protect

User response: Install the 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 Spectrum Protect An error occurred with the command issued to the FastBackShell on the target machine.

System action: IBM Spectrum Protect

User response: Correct the options specified on the commandr.

FMV7952E The package *package* required for support is not installed.

Explanation: IBM Spectrum Protect The required package is not installed.

System action: IBM Spectrum Protect

User response: Install and configure the required package.

FMV7953E The shell scripts returned an unexpected error *error*.

Explanation: IBM Spectrum Protect The shell scripts returned an unexpected error.

System action: IBM Spectrum 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 Spectrum Protect Ensure that the SSH daemon is configured correctly.

System action: IBM Spectrum Protect

User response: Correct the error.

FMV7955E The cygdrive-prefix is set incorrectly.

Explanation: IBM Spectrum 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 Spectrum Protect

User response: Correct the error.

FMV7956E Unable to execute cygwin shell commands. The cygwin environment may be incorrectly

Explanation: IBM Spectrum Protect Use ssh to connect to the cygwin shell and ensure that the cygwin environment and cygdrive are configured correctly.

System action: IBM Spectrum Protect

User response: Correct the error.

FMV7957E Unable to discover the FastBackShell location in the registry

Explanation: IBM Spectrum Protect Check that the FastBackShell was installed on the Windows server machine.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server, either ask the IBM Spectrum 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 Spectrum 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.

FMV8031E • FMV8046E

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 Spectrum 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 Spectrum Protect server is not accepting administrative sessions on the client port. You must use the port number designated for administrative sessions.

Explanation: The IBM Spectrum 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 Spectrum Protect server uses for administrative sessions. See your IBM Spectrum Protect server administrator if you do not know the correct port number.

FMV8052E Unable to decrypt file '*filepath-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 Spectrum Protect administrator should examine the IBM Spectrum 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 Spectrum 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 Spectrum Protect Server authentication is turned off.

Explanation: Client-to-Client communication requires IBM Spectrum Protect Authentication to be enabled.

System action: Processing stops.

User response: Turn IBM Spectrum Protect Server authentication on using the Set AUthentication ON command.

FMV8063E The remote IBM Spectrum Protect Client Acceptor associated with Node '*name*' could not authenticate with the IBM Spectrum Protect Server.

Explanation: Some IBM Spectrum Protect Client operations require the Backup/Archive Client to contact Clients on remote machines. The remote machine in question cannot authenticate with the IBM Spectrum Protect Server.

System action: Processing stops.

User response: On the remote machine, create a new IBM Spectrum 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 Spectrum Protect function name :
function-name
error output : *error-output*
return code : *return code*
IBM Spectrum Protect file : *file-name*
(line-number)

Explanation: IBM Spectrum 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 addition information in the error log. Use the information provided in this message for troubleshooting or when talking with IBM Spectrum Protect support.

FMV8104W Cannot determine EFS status of the file system 'file-system name', errno='error number', processing data normally.

Explanation: IBM Spectrum 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 backedup 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 Spectrum 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 Spectrum 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 Spectrum Protect servers, the command must specify a valid IBM Spectrum 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 Spectrum 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 Web site and online documentation.

System action: IBM Spectrum 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 Web site and online documentation.

System action: IBM Spectrum 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 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 Spectrum 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 Spectrum Protect can only set file attributes to a uncompressed migrated file. This file has been migrated with compression enabled.

System action: IBM Spectrum 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 Spectrum Protect could not write

and save the space management configuration file for the given filesystem.

System action: IBM Spectrum 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 Spectrum Protect requires that a root user perform this operation.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server or client agent. The return code is *tsm-error*.**

Explanation: An issue prevented the client from making a connection with the IBM Spectrum Protect server. Additional detail is not available to include with this message. However, additional messages are likely to be reported in the IBM Spectrum 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 Spectrum 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 Spectrum Protect server. Finally, verify that the IBM Spectrum 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 Spectrum Protect terminates the operation.

User response: Try the operation again. If the problem persists, send the core file to 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 technical support for analysis.

FMV9024E **Starting with this release all candidate processing is done internally by the IBM Spectrum 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 *dsmmonitord*.

System action: IBM Spectrum 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 Spectrum Protect cannot set the file attributes because the requested attributes are in conflict with one another.

System action: IBM Spectrum 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 Spectrum Protect can only set file attributes to a migrated file. This file has not been migrated.

System action: IBM Spectrum 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 Spectrum Protect detects that the file is not in an HSM managed file system, and therefore, it cannot perform the operation requested.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect process cannot detach itself to become a daemon.

System action: IBM Spectrum Protect cannot start the daemon as requested. IBM Spectrum Protect stops.

User response: Retry the operation.

FMV9060W *error-program:* **cannot get and increase limit of open files.**

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Protect cannot get space for the file system because the file system is out of inodes.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect found an error in updating the dsmmigfstab file for this file system.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect found an error in trying to reactivate space management.

System action: IBM Spectrum 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 Spectrum Protect found an error in trying to deactivate space management.

System action: IBM Spectrum 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 Spectrum Protect found an error in trying to deactivate the file system.

System action: IBM Spectrum 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 Spectrum 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 Spectrum Protect found an error in trying to reactivate space management for the file system.

System action: IBM Spectrum 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 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect did not find any migrated files matching the search criteria.

System action: IBM Spectrum 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 Spectrum 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 it's files.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server. Check the dsmmerror.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 Spectrum 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 Spectrum Protect server. Check the dsmmerror.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 Spectrum 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 Spectrum Protect found no files eligible for migration in the file system after running ds mreconcile.

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 Spectrum 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 Spectrum Protect server database as a migrated file.

System action: No query result.

User response: Verify that the search patten 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 Spectrum 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 Spectrum 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 technical support for assistance.

FMV9128I **Inactivate logs completed.**

Explanation: A Domino inactivate log operation was completed.

System action: IBM Spectrum 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 Spectrum 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 'dsmmigs restart' command on both nodes.

FMV9147E *program-name: cannot read file-spec: error.*

Explanation: IBM Spectrum Protect cannot read this file.

System action: IBM Spectrum 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 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 Spectrum Protect cannot find file system mount point.

System action: IBM Spectrum 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 Spectrum Protect archived the log.

User response: Continue with normal operations.

FMV9151E *An unexpected program error was encountered .
IBM Spectrum Protect function name :
function-name
IBM Spectrum Protect function :
function-desc
IBM Spectrum Protect return code :
TSM-rc
IBM Spectrum Protect file : file-name
(line-number)*

Explanation: None.

System action: Processing stops.

FMV9152E • FMV9160E

User response: Check error log for more information. Contact the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 `dsmcdf`. 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 Spectrum 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 `dsmcdf`. 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 Spectrum Protect rollforward the Domino DB2 database log.

User response: Continue with normal operations.

FMV9159E *program-name: unable to create temporary file.*

Explanation: IBM Spectrum Protect cannot create a temporary file.

System action: IBM Spectrum 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 filefile-spec: error.*

Explanation: IBM Spectrum Protect cannot complete writing to the temporary file.

System action: IBM Spectrum 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 Spectrum 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 Spectrum Protect client for space management can't react to recall requests for this file system.

System action: IBM Spectrum 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 Spectrum 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 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 Spectrum 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 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 Spectrum Protect cannot create this directory.

System action: IBM Spectrum 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 Spectrum Protect did not find that this file system is properly mounted.

FMV9171E • FMV9186E

System action: IBM Spectrum 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 Spectrum 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 technical support for further assistance.

FMV9174I A backup delete completed.

Explanation: A Backup delete was completed.

System action: IBM Spectrum 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 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 technical support for further assistance.

FMV9186E *program-name*: cannot open mounted file system *file-system*: *error*.

Explanation: IBM Spectrum Protect cannot open mounted file system.

System action: IBM Spectrum 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 Spectrum 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/dsmrecall
- This error occurs on Solaris when this file is found:
/opt/tivoli/tsm/client/hsm/bin/dsmrecall

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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect detected another program running in the file system that cannot run at the same time as the program your 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 Spectrum 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-file/lock-file*: error

Explanation: IBM Spectrum 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 Spectrum 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 **ERRORPROG** *error-program*: error

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Protect checks only the migration server for a backup copy. If the migration server and backup server are different servers, IBM Spectrum 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 Spectrum 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 Spectrum Protect was unable to recall any files, or some of the migrated files may have failed during a recall operation.

System action: IBM Spectrum 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 Spectrum Protect server

Explanation: No filespace representing a Hyper-V Virtual Machine currently exist on the IBM Spectrum 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 Spectrum 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 Spectrum 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, VMATASTORE, -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 Spectrum 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 Spectrum Protect space managed, writable and in consistent state.

FMV9334E Wrong alias '*alias-name*' received from the server.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 VMVSTORTRFMVPOR 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 VMVSTORTRFMVPOR 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 Spectrum 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 Spectrum 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:* MAXFILES max-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:* MAXFILES max-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 Spectrum Protect function name :
function-name
IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect The specified maxfiles value is 0, which means that the CFI size is managed automatically now.

System action: IBM Spectrum 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 Spectrum 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 dsmerror log file for information on the specific reason for the failure.

System action: Processing stops.

User response: Check the dsmerror log file for additional information, and contact the IBM Spectrum 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: 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 Spectrum 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 Spectrum 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 VM DATASTORE 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*list 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 Spectrum Protect for Virtual Environments.

Explanation: A failure occurred when initializing the virtual machine environment.

System action: The operation cannot continue.

User response: Install IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect support site 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 Spectrum 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 Spectrum Protect Application Protection will not be used while backing up this VM.

Explanation: IBM Spectrum Protect Application Protection can only protect VMs that are running.

System action: IBM Spectrum Protect Application Protection uses the VMWare tools to provide application consistency.

User response: Turn on the virtual machine or exclude it from IBM Spectrum 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 Spectrum Protect application protection cannot protect this machine. Virtual machine 'VM' does not have operating system or applications supported by IBM Spectrum 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 Spectrum Protect application protection. Refer to the product documentation for the list of supported operating systems and applications.

System action: IBM Spectrum 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 Spectrum Protect application protection failed to initialize on virtual machine 'VM'. See the error log for more details.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect application protection cannot be used.**

Explanation: IBM Spectrum Protect application protection requires that VMware tools are installed and running with an up-to-date version on the virtual machine.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect application protection could not freeze the VSS writers on the virtual machine named 'VM'. See the error log for more details.

Explanation: IBM Spectrum 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 Spectrum 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 Spectrum Protect will not take over the file system.

User response: Make sure the file system is mounted locally and managed with the IBM Spectrum Protect client for space management on another node within the same cluster and retry the operation.

FMV9431E IBM Spectrum Protect application protection failed to thaw VSS writers on virtual machine 'VM'. See the IBM Spectrum Protect error log for more details.

Explanation: IBM Spectrum 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 Spectrum Protect application protection failed to truncate application logs on virtual machine 'VM'.

Explanation: IBM Spectrum 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 `dsmmgfs 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 Spectrum 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 specified MAXCANDIDATES parameter 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 the MAXCANDIDATES parameter is *value*.

Explanation: The automigration candidate pools for the selected filesystem require MAXCANDIDATES per 10 KB plus a safety buffer of 5 MB of memory under `/etc/adsm/SpaceMan/candidatesPool`, which exceeds the available space.

System action: IBM Spectrum Protect Abort operation.

User response: Increase the filesystem size or choose a smaller value for the MAXCANDIDATES parameter. 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 Spectrum Protect user ran **dsmmigfs** with the failover flag on an unsupported platform.

System action: IBM Spectrum 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 Spectrum Protect Low space in filesystem which stores the migration candidates files.

System action: IBM Spectrum 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 Spectrum Protect application protection failed to cleanup after a VSS backup on virtual machine *VM*.

Explanation: IBM Spectrum 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 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 Spectrum Protect will not roll back the file system.

User response: Make sure the file system is mounted locally and managed with the IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect application protection. IBM Spectrum 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 Spectrum 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 Spectrum Protect for Virtual Environments license file (*license-file*) cannot be located. IBM Spectrum 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 Spectrum 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 Spectrum Protect application protection will still be used.

Explanation: IBM Spectrum Protect application protection requires that VMware Tools are up to date.

System action: IBM Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect as a non-root user and you have IBM Spectrum Protect Space Management client installed, make sure that the **dsmtree** 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 filesystem 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 dsmautomic 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 Spectrum 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 dmapi 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 dmapi 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 dmapi 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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

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stub or not, run **dsmreconcile** 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 xdsm api 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* kb 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 *stubsizes* 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 dsmerror.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 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 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 successfull 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum 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 Spectrum Protect server.

FMV9850E Tape read error; Max Blocksize is *blocksize*. Attempted to read *blocksize* *blocksize*. Run `dsmmmaxsg` 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 `dsmmmaxsg` 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 Spectrum 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 ' 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 VMVERIFYIFAction 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 VMVERIFYIFAction 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 Spectrum 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 HSMENABLEIMmediate migrate YES to force the migration.

FMV9959W IBM Spectrum Protect acceptor received a non-critical network error *errno*, IBM Spectrum Protect return code : *TSM-rc*.

Explanation: The communication problem happened while listening for inbound connection but the IBM Spectrum 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 '*ivmMaxBackupSessions*'. This value must be greater than or equal to the value of the VMMAXPARALLEL option, which is '*ivmMaxParallel*'. The value will be set to the value of the

VMMAXPARALLEL 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 VMMAXPARALLEL 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 VMMAXPARALLEL 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 MAXNUMMMP 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 Spectrum 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.

Appendix. Accessibility features for the IBM Spectrum 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 Spectrum Protect family of products includes the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader

The IBM Spectrum Protect family of products uses the latest W3C Standard, WAI-ARIA 1.0 (www.w3.org/TR/wai-aria/), to ensure compliance with US Section 508 (www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) and Web Content Accessibility Guidelines (WCAG) 2.0 (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 Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the Accessibility section of the IBM Knowledge Center help (www.ibm.com/support/knowledgecenter/about/releasenotes.html?view=kc#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 Spectrum 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).

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