

























































































































List cluster & o	cluster nodes	5		Stall	2013 IBM 62 70,00 2013 IBM 62 70,00 70,00 70,00 62			
\$ cluster -list	_				10013			
CLUSTER_NAME:	galaxy							
CLUSTER_ID:	6451/962b01c1	lelac6aba30	67e934	4e03				
\$ cluster -status -clustername galaxy								
Cluster Name	State							
galaxy	OK							
Node Name	MTM	Partition	Num	State	Pool State			
diamondvios1	8233-E8B02100	271P	2	OK	OK			
diamondvios2	8233-E8B02100	271P	1	OK	OK			
redvios1	8203-E4A0310E	0A41	1	OK	OK			
\$								
Example of a 3 node cluster								
62 of 47 in 95+								

























Topas Monitor for host: diamondvios1Interval: 2 Fri Jan 14 14:46:00 2011 Disk Busyk KBPS TPS KB-R ART MRT KB-W AWT NWT AQU AQD cldisk2 41.0 17.6K 493.0 0.0 0.0 174.6 17.6K 1.1 14.6 0.0 0.0 cldisk2 41.0 17.6K 493.0 0.0 0.0 174.6 17.6K 1.1 14.6 0.0 0.0 cldisk2 41.0 17.6K 493.0 0.0 0.0 174.6 17.6K 1.1 14.6 0.0 0.0 cldisk1 3.0 24.0 6.0 0.0 0.0 112.0 24.0 0.6 158.8 0.0 0.0 hdisk1 0.0 8.0 2.0 0.0 0.0 10.2 8.0 4.1 64.2 0.0 0.0 hdisk1 0.0 17.0 5.0 9.0 0.1 2.1 8.0 0.5 6.9 0.0 0.0 cd0 0.0 0.0 0.0	Monito	oring	g: to	oas o	on VI	OS	ther	י "D'	,		Share of	2013 01-20-20-20-20-20-20-20-20-20-20-20-20-20-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Topas Moni	itor f	or host	: dia	amondvic	s1Int	cerval:	2	Fri d	Jan 14	14:46:00	2011
cldisk2 41.0 17.6K 493.0 0.0 0.0 174.6 17.6K 1.1 14.6 0.0 0.0 cldisk3 34.0 20.0K 160.0 0.0 0.0 186.4 20.0K 2.9 13.1 0.0 0.0 cldisk1 3.0 24.0 6.0 0.0 0.0 112.0 24.0 0.6 158.8 0.0 0.0 hdisk0 0.0 8.0 2.0 0.0 0.0 10.2 8.0 4.1 64.2 0.0 0.0 cda_priva 0.0 17.0 5.0 9.0 0.1 2.1 8.0 0.5 6.9 0.0 0.0 hdisk1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.2 0.0 0.0 cd0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	======= Disk <mark>H</mark>	usv%	======= KBPS	 TPS	 KB-R	ART	MRT	 KB-W	 AWT	 MWT	 AQW	AQD
cldisk3 34.0 $20.0K$ 160.0 0.0 0.0 186.4 $20.0K$ 2.9 13.1 0.0 0.0 cldisk1 3.0 24.0 6.0 0.0 0.0 112.0 24.0 0.6 158.8 0.0 0.0 hdisk0 0.0 8.0 2.0 0.0 0.0 10.2 8.0 4.1 64.2 0.0 0.0 caa_priva 0.0 17.0 5.0 9.0 0.1 2.1 8.0 0.5 6.9 0.0 0.0 hdisk1 0.0 <t< td=""><td>cldisk2</td><td>41.0</td><td>17.6K</td><td>493.0</td><td>0.0</td><td>0.0</td><td>174.6</td><td>17.6K</td><td>1.1</td><td>14.6</td><td>0.0</td><td>0.0</td></t<>	cldisk2	41.0	17.6K	493.0	0.0	0.0	174.6	17.6K	1.1	14.6	0.0	0.0
$\begin{array}{c} \mbox{cldisk1} & 3.0 & 24.0 & 6.0 & 0.0 & 0.0 & 112.0 & 24.0 & 0.6 & 158.8 & 0.0 & 0.0 \\ \mbox{hdisk0} & 0.0 & 8.0 & 2.0 & 0.0 & 0.0 & 10.2 & 8.0 & 4.1 & 64.2 & 0.0 & 0.0 \\ \mbox{caa_priva} & 0.0 & 17.0 & 5.0 & 9.0 & 0.1 & 2.1 & 8.0 & 0.5 & 6.9 & 0.0 & 0.0 \\ \mbox{hdisk1} & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 7.2 & 0.0 & 0.0 \\ \mbox{cd0} & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 \\ \hline \mbox{One client VM running: yes >/tmp/x} \\ \mbox{Disk I/O spread across disks} \end{array}$	cldisk3	34.0	20.OK	160.0	0.0	0.0	186.4	20.OK	2.9	13.1	0.0	0.0
hdisk0 0.0 8.0 2.0 0.0 0.0 10.2 8.0 4.1 64.2 0.0 0.0 caa_priva 0.0 17.0 5.0 9.0 0.1 2.1 8.0 0.5 6.9 0.0 0.0 hdisk1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.2 0.0 0.0 cd0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	cldisk1	3.0	24.0	6.0	0.0	0.0	112.0	24.0	0.6	158.8	0.0	0.0
caa_priva 0.0 17.0 5.0 9.0 0.1 2.1 8.0 0.5 6.9 0.0 0.0 hdisk1 0.0	hdiskO	0.0	8.0	2.0	0.0	0.0	10.2	8.0	4.1	64.2	0.0	0.0
Disk I/O spread across disks	caa_priva	0.0	17.0	5.0	9.0	0.1	2.1	8.0	0.5	6.9	0.0	0.0
One client VM running: yes >/tmp/x	hdisk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0
One client VM running: yes >/tmp/x Disk I/O spread across disks	cdO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Allocation unit is 64MB (was in the Issp output)												























Snapshot – o	reate and	list	918 18 19 2013 IBM 908 2013 IBM 908 2013 IBM 908 2013 IBM 908 2013 IBM				
Create \$ snapshot -create diamond5s.snap -clustername galaxy -spname atlantic -lu vdisk_diamond5a							
List \$ snapshot -list Lu Name vdisk_diamond5a Snapshot diamond5s.snap	-clusternam Size(mb) 16384	e galaxy - spname ProvisionType THIN	atlantic Lu Udid b3f3a				
Also snap shots \$ lssp -clustern Lu Name vdisk_diamond5a Snapshot diamond5s.snap	appear in th ame galaxy - Size(mb) 16384	ne Issp output •sp atlantic -bd ProvisionType THIN	Lu Udid b3f3a				
vdisk_diamond6a 87 of 47 in 95+	16384	THIN	4c9e9				



















