

Commands for Virtual Audit on Dell EMC Compellent via Storage Center

What We Need

Output Specifications from your device to quote and onboard your spare.

Why This Matters

Learn what happens with the outputs retrieved and why we need the information from these commands at <u>PivIT's Sparing Integrity Program</u>.

Procedure

Following is the process for executing a Virtual Audit, which is required for us to provide the most accurate and competitively priced quote for your Compellent System. This process applies to the following models of Compellent that are supported by our company:

- SC 20, 30, 40
- SC 8000
- SC 4020

The Virtual Audit may be performed by the Compellent system administrator or other individuals within your organization that is familiar with the Compellent system.

If desired, we can provide remote assistance to your staff when a Virtual Audit is needed. This assistance may be provided over the phone, where we will provide assistance to your local staff via a voice call, or via a remote desktop session where we will actually access your system via the network to remotely perform the Virtual Audit process below to collect all of the information that is needed.

We will use a remote desktop screen sharing software such as:

- TeamViewer
- Go To Meeting
- Join Me

Open a web browser and navigate to the IP address of your Compellent device. Log into the Storage Center Manager.

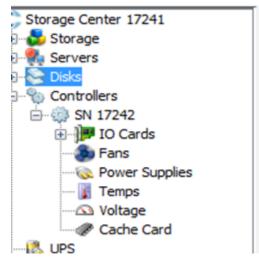






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On the left-hand pane, expand on the Controllers folder

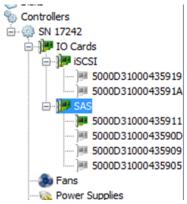




Select each of the controllers in the left-hand pane and take a screenshot of the controller's general information on the center screen.

Storage Center 17241			
	3 SN 17242		
🗄 🌸 Servers	SN 17242		
🖲 😔 Disks			
😑 🕎 Controllers			
🖻 🌞 SN 17242	General CPU Performan	ce Back	
🕢 💬 IO Cards			
- 🐌 Fans			
	Name:	SN 17242	
- J Temps	Туре:	Controller	
Voltage	Model:	CT-SC040	
Cache Card	Available Memory:	5.69 GB	
	Controller ID:	17242	
Radks	Version:	6.5.30	
Remote Systems	Leader:	True	
Kenote Systems	Last Boot Time:	08/19/2015 04:37:58 PM	
	Status:	Up	
	Local Port Condition:	Balanced	
	Ether 0 (MGMT) Interf: IP Address: Net Mask: Gateway: Primary DNS Server: Secondary DNS Serve Domain Name: Date Created: 08/03 Date Updated: 08/03 Notes:	10.1.10.212 255.255.255.0 10.1.10.1 10.1.10.1 er: 10.1.10.1 test1.toptenusa /2015 06:16:31 PM	Created By: Updated By: System Root User

Next, expand the IO cards in the left-hand pane. Depending on your system you may have ISCSI, Fibre, SAS, or any combination.





Now, take a screenshot of all the IO cards General Description. Be sure to include all information for each card.

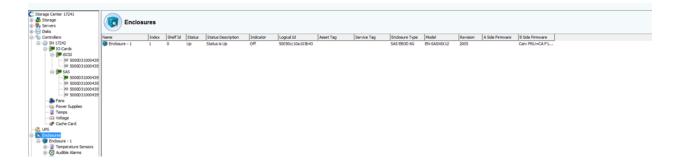
Disks															
Controllers	Name	Status	Slot Type	Speed	Phy Lane Status	Slot	Slot Port	Purpose	Device	Name	Description		World Wide Nam	e	
SN 17242	5000D3100043591	1 Up	PCIE1	4 x 6 Gbp	s 4of4up	1	1	Back End	PCIDEV	05	LSISAS9201-16e PCI-	SAS Quad-Ext	5000D31000435	911	
🖃 🌗 IO Cards	# 5000D3100043590	D Down	PCIE1	Unknown	Not Connected	1	2	Unknown	PCIDEV	04	LSISAS9201-16e PCI-	SAS Quad-Ext	5000D31000435	90D	
😑 🍺 ISCSI	HI 5000D3100043590	9 Up	PCIE1	4 x 6 Gbc	s 4of4up	1	3	Unknown	PCIDEV	03	LSISAS9201-16e PCI-	SAS Quad-Ext	5000D31000435	909	
- # 5000D31000435919	HI 5000D3100043590		PCIE1		Not Connected	1	4	Unknown	PCIDEV		LSISAS9201-16e PCI-				
5000D3100043591A	1.100														
🖨 📴 SAS															
- P 5000D31000435911															
- # 5000D3100043590D															
- · · · · · · · · · · · · · · · · · · ·															
- # 5000D31000435905															
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Now, select the Cache Card and take a screenshot of the information.

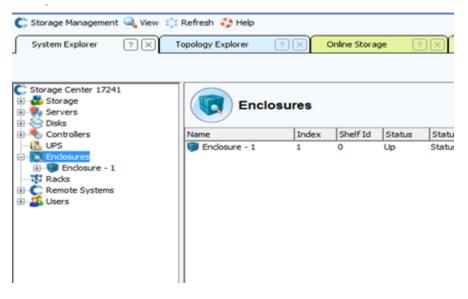
S Disks		
ontrollers		
🖮 🎲 SN 17242	Cache Card	
🚊 🖓 🎹 IO Cards		
iscsi		
)# 5000D31000435919	Model:	CHA 3
)# 5000D3100043591A	Cache Size:	475.00 MB
🖻 - 💓 SAS	Firmware Version:	200075
🗾 5000D31000435911		
I 5000D3100043590D	In Service Date:	03/07/2012
🎫 5000D31000435909		
J# 5000D31000435905		
🏇 Fans	Status:	Protected
👔 Temps	Alert:	None
Voltage		
🐍 UPS		
Enclosures		
🐉 Racks		
Remote Systems		
1 Leare		



Once all of the controller information is gathered, we will need to obtain information about the enclosures. On the left-hand pane select the enclosures tab. You will see that all of the enclosures in the system will be listed on the center screen.



Next, we are going to obtain the disk information for the system. In the left pane, expand on enclosures. You will then see all of the enclosures that are connected to your system.







Next, you will need to expand each enclosure and select the Disks tab.

Servers Disks Controllers LUPS		Disks										
C Endosures	Position	Status	Status Description	Swap Detected	Fault Sensed	Indicator	Vendor	Product	Port Id	Bypass A Side	Bypass B Side	
😑 🗐 Endosure - 1	S 01-01	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
Image: Temperature Sensors	S 01-02	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
Audible Alarms	S 01-03	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
Cooling Fan Sensors	S 01-04	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
B- Codes - ∞ 01-01	S 01-05	OK	Status is Up	No	No	No	SEAGATE	ST34508575S	N/A	No	No	
	S 01-06	OK	Status is Up	No	No	No	SEAGATE	ST34508575S	N/A	No	No	
-> 01-03	S 01-07	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
- > 01-04	S 01-08	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
	S 01-09	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
🛇 01-06	S 01-10	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
- 🛇 01-07	01-11	Not Installed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	01-12	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No	
-> 01-12 -												
III P	1											
Search here												

Finally, you will screenshot the Center pane with all of the disks that are on that shelf. Please be sure to include all of the disks that are on the shelf and that the Product section (highlighted in red) is showing the full model number of each disk.

Position	Status	Status Description	Swap Detected	Fault Sensed	Indicator	Vendor	Product	Port Id	Bypass A Side	Bypass B Side
🛇 01-01	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
💫 01-02	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
🛇 01-03	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
Sigar 01-04	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
🕥 01-05	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
🛇 01-06	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
S 01-07	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
Sigar 10 Contract (\$\$ 00 - 00 - 00 - 00 - 00 - 00 - 00 -	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
🛇 01-09	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
🛇 01-10	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No
© 01-11	Not Installed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
💫 01-12	OK	Status is Up	No	No	No	SEAGATE	ST3450857SS	N/A	No	No

You will need to repeat the last two steps of this process for each disk enclosure. Please be sure that all images are not missing any information as this will cause a delay in the quotation. Share file with OneCall Support: https://onecall.pivitglobal.com/file-upload/guote