

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 [PIVIT's Sparing Integrity Program](#).

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

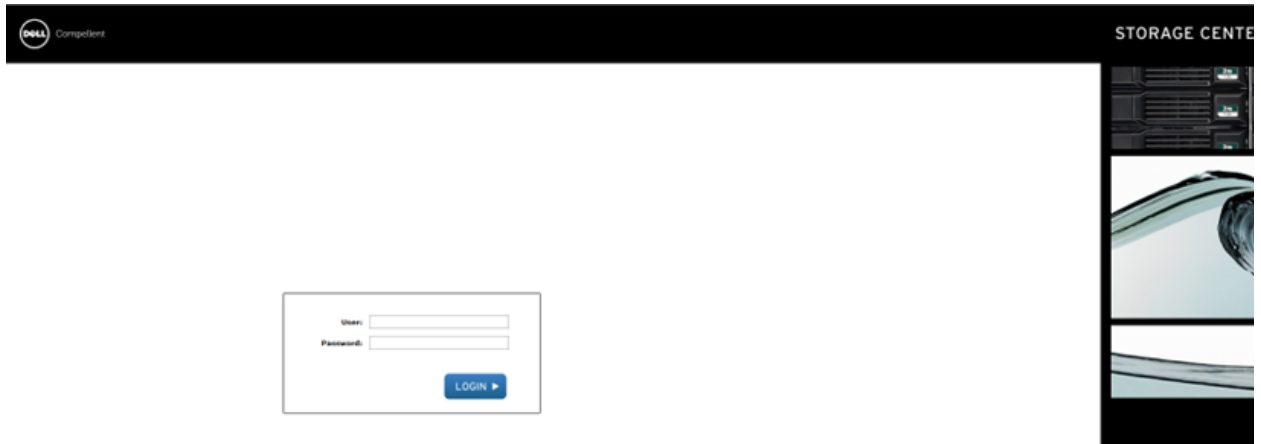
The Virtual Audit may be performed by the Compellent system administrator or other individuals within your organization that is familiar with the Compellent system.

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.

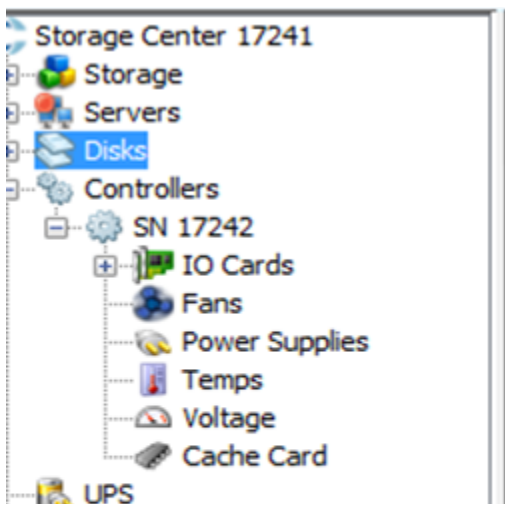
We will use a remote desktop screen sharing software such as:

- 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.



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.

The screenshot displays the PIVIT interface. On the left, a tree view shows the hierarchy: Storage Center 17241 > Controllers > SN 17242. The main pane shows the general information for controller SN 17242.

| | |
|---------------------------------|------------------------|
| Name: | SN 17242 |
| Type: | Controller |
| Model: | CT-SC040 |
| Available Memory: | 5.69 GB |
| Controller ID: | 17242 |
| Version: | 6.5.30 |
| Leader: | True |
| Last Boot Time: | 08/19/2015 04:37:58 PM |
| Status: | Up |
| Local Port Condition: | Balanced |
| Ether 0 (MGMT) Interface | |
| IP Address: | 10.1.10.212 |
| Net Mask: | 255.255.255.0 |
| Gateway: | 10.1.10.1 |
| Primary DNS Server: | 10.1.10.1 |
| Secondary DNS Server: | 10.1.10.1 |
| Domain Name: | test1.topenusa |
| Date Created: | 08/03/2015 06:16:31 PM |
| Date Updated: | 08/03/2015 06:22:22 PM |
| Created By: | System Root User |
| Updated By: | System Root User |
| Notes: | |

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

The screenshot shows the PIVIT interface with the IO Cards section expanded for controller SN 17242. It lists two types of IO cards: iSCSI and SAS.

- iSCSI:**
 - 5000D31000435919
 - 5000D3100043591A
- SAS:**
 - 5000D31000435911
 - 5000D3100043590D
 - 5000D31000435909
 - 5000D31000435905

Other components visible in the tree include Fans and Power Supplies.

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

The screenshot shows the 'IO Cards' section of the storage management interface. It displays a table of IO cards with the following columns: Name, Status, Slot Type, Speed, Phy Lane Status, Slot, Slot Port, Purpose, Device Name, Description, and World Wide Name.

| Name | Status | Slot Type | Speed | Phy Lane Status | Slot | Slot Port | Purpose | Device Name | Description | World Wide Name |
|------------------|--------|-----------|------------|-----------------|------|-----------|----------|-------------|---------------------------------------|------------------|
| 5000D31000435911 | Up | PCI-E1 | 4 x 6 Gbps | 4 of 4 up | 1 | 1 | Back End | PCIDEV05 | LSISAS9201-16e PCI-E SAS Quad-Ext ... | 5000D31000435911 |
| 5000D3100043590D | Down | PCI-E1 | Unknown | Not Connected | 1 | 2 | Unknown | PCIDEV04 | LSISAS9201-16e PCI-E SAS Quad-Ext ... | 5000D3100043590D |
| 5000D31000435909 | Up | PCI-E1 | 4 x 6 Gbps | 4 of 4 up | 1 | 3 | Unknown | PCIDEV03 | LSISAS9201-16e PCI-E SAS Quad-Ext ... | 5000D31000435909 |
| 5000D31000435905 | Down | PCI-E1 | Unknown | Not Connected | 1 | 4 | Unknown | PCIDEV02 | LSISAS9201-16e PCI-E SAS Quad-Ext ... | 5000D31000435905 |

Below this, the 'ISCSI' section is visible, showing a table with columns: Name, Status, IP Address, Subnet Mask, Gateway, Slot Type, Speed, Slot, Slot Port, Fault Domain, Purpose, Device Name, Description, and World Wide Name.

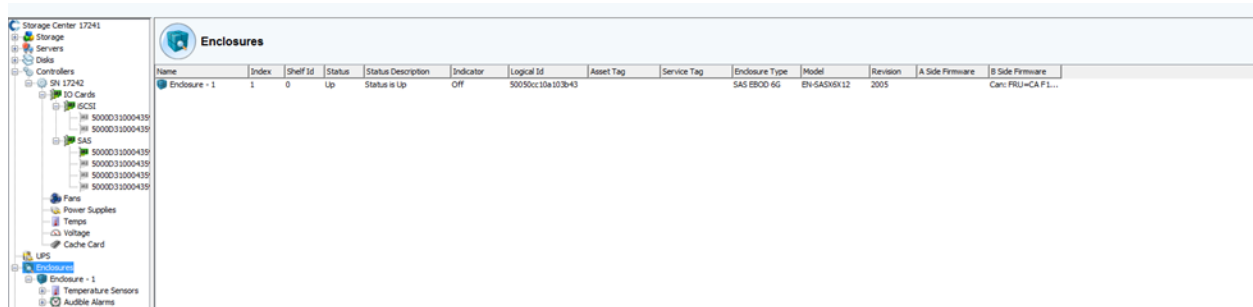
| Name | Status | IP Address | Subnet Mask | Gateway | Slot Type | Speed | Slot | Slot Port | Fault Domain | Purpose | Device Name | Description | World Wide Name |
|------------------|--------|-------------|---------------|-----------|-----------|---------|------|-----------|--------------|---------|-------------|--|------------------|
| 5000D31000435919 | Down | 10.1.10.215 | 255.255.255.0 | 10.1.10.1 | PCI-E6 | Unknown | 6 | 1 | Unknown | Unknown | PCIDEV06 | QLogic QLE4062 iSCSI Adapter Rev 0 ... | 5000D31000435919 |
| 5000D3100043591A | Up | 10.1.10.216 | 255.255.255.0 | 10.1.10.1 | PCI-E6 | 1 Gbps | 6 | 2 | Unknown | Unknown | PCIDEV07 | QLogic QLE4062 iSCSI Adapter Rev 0 ... | 5000D3100043591A |

Now, select the Cache Card and take a screenshot of the information.

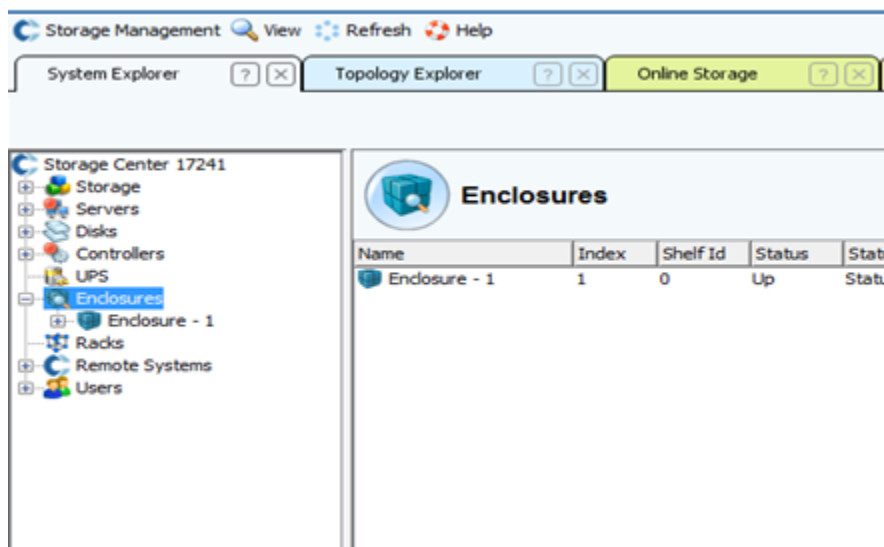
The screenshot shows the 'Cache Card' section of the storage management interface. The 'Cache Card' is selected in the left-hand navigation pane. The main area displays the following information:

- Model:** CHA 3
- Cache Size:** 475.00 MB
- Firmware Version:** 200075
- In Service Date:** 03/07/2012
- Status:** Protected
- Alert:** None

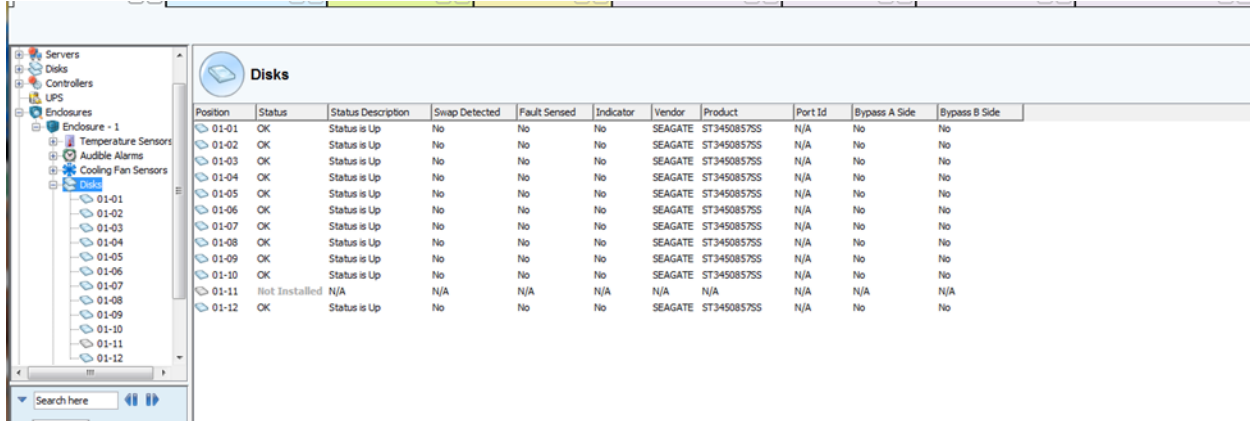
Once all of the controller information is gathered, we will need to obtain information about the enclosures. On the left-hand pane select the enclosures tab. You will see that all of the enclosures in the system will be listed on the center screen.



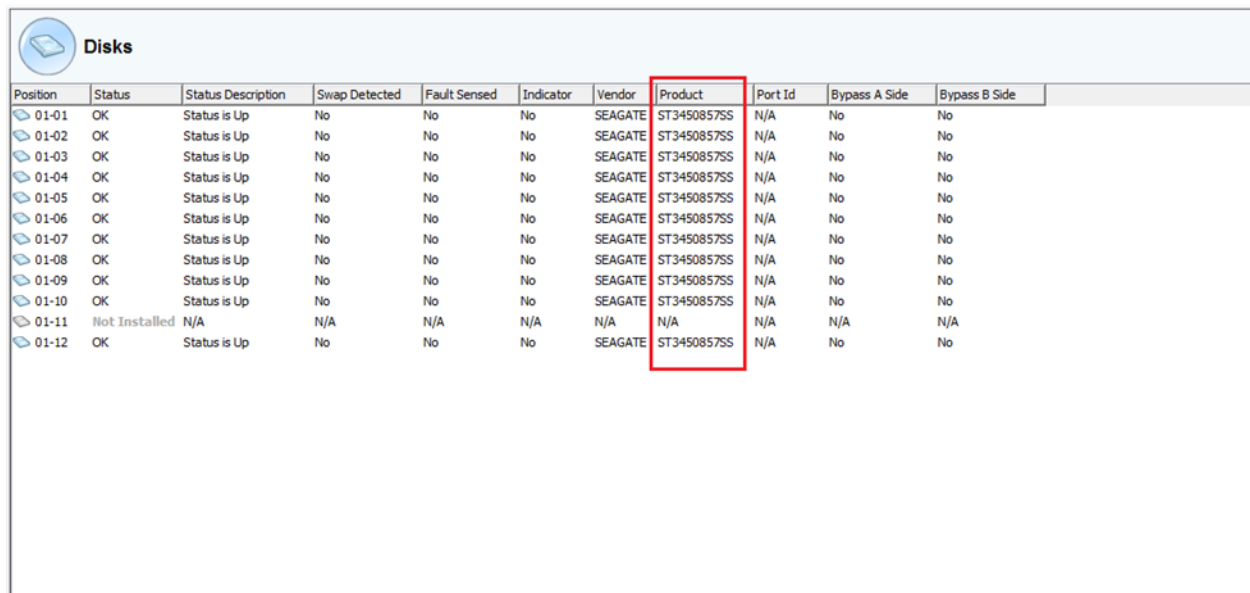
Next, we are going to obtain the disk information for the system. In the left pane, expand on enclosures. You will then see all of the enclosures that are connected to your system.



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



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.



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/quote>