




# Dell EMC SupportAssist Enterprise Version 1.0 Reportable Items

# Notes, cautions, and warnings

-  **NOTE:** A NOTE indicates important information that helps you make better use of your product.
-  **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Introduction

Dell EMC SupportAssist Enterprise is an application automates technical support for your Dell server, storage, and networking devices. By default, SupportAssist Enterprise collects system information periodically from each device and sends the data securely to Dell. Typically, system information is collected as follows:

- Periodically — At regular intervals, depending on the configured collection frequency. By default, SupportAssist Enterprise is configured to collect system information from your devices once a month.
- On case creation — When a support case is created for an issue that has been identified by SupportAssist Enterprise.
  - ✎ **NOTE: When an issue is detected on devices with a Basic Support entitlement, SupportAssist Enterprise does not create a support case. However, system information is collected and sent to Dell.**
- Manual (on demand) — If requested by Dell Technical Support, you can initiate the collection of system information from one or more devices at any time.
  - ✎ **NOTE: If required, you can disable the periodic collection of system information for a specific device type or for all device types. For more information, see the "Configuring data collection settings" section in the *Dell SupportAssist Enterprise Version 1.0 User's Guide* at [Dell.com/ServiceabilityTools](http://Dell.com/ServiceabilityTools).**
  - ✎ **NOTE: If the security policy of your company restricts sending certain identity information outside of the company network, you can disable the collection of such data from your devices. For more information, see the "Configuring data collection settings" section in the *Dell EMC SupportAssist Enterprise Version 1.0 User's Guide* at [Dell.com/ServiceabilityTools](http://Dell.com/ServiceabilityTools).**
  - ✎ **NOTE: If you have disabled the collection of identity information from devices, the identity information is replaced by tokenized values in the collected data. The tokenized values are represented as TOKEN $n$ —for example, TOKEN0, TOKEN1, or TOKEN2.**

The collected system information is saved in a secured database on the server where SupportAssist Enterprise is installed. Data collected from servers can be viewed by using the Configuration Viewer available in SupportAssist Enterprise. For storage, networking, and chassis devices, you can download the collected data and view it by using a web browser.

This document provides the list of attributes that may be available in the data collected by SupportAssist Enterprise from server, storage, networking, and chassis devices.

# Items reported from servers running Windows

## Data categories

The following are the top-level categories of data that you can view:

- Summary
- System
- Storage
- Software
- Logs

 **NOTE:** If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, System and Storage items will not be available in periodic collections from that device.

## Accessing the Summary items

To access the Summary items:

On the configuration viewer, click **PowerEdge xxx** → **Summary**.

## Summary items

### Summary

**Table 1. Summary attributes**

| Category            | Attribute name                  |
|---------------------|---------------------------------|
| Collection Settings | Options                         |
|                     | Identification Shared With Dell |
|                     | Mode                            |
|                     | Source                          |
| Error Summary       | Name                            |
|                     | Location                        |
|                     | Status                          |
| Main Chassis        | Server Model                    |
|                     | Server Service Tag              |
|                     | Express Service Code            |
|                     | Chassis Lock                    |
|                     | Server Asset Tag                |

| <b>Category</b>  | <b>Attribute name</b>                        |
|------------------|--|
| System           | Host Name                                    |
|                  | System Location                              |
| Processor        | Manufacturer                                 |
|                  | Family                                       |
|                  | Version                                      |
|                  | Current Speed                                |
|                  | Maximum Speed                                |
|                  | External Clock Speed                         |
|                  | Voltage                                      |
| Memory           | Total Installed Capacity                     |
|                  | Total Maximum Capacity                       |
|                  | Total Installed Capacity Available To The OS |
|                  | Memory Array Count                           |
| Memory Array     | Location                                     |
|                  | Use  |
|                  | Installed Capacity (MB)                      |
|                  | Maximum Capacity (MB)                        |
|                  | Slots Available                              |
|                  | Slots Used                                   |
|                  | ECC Type                                     |
| Operating System | OS Name                                      |
|                  | Version                                      |
|                  | Install Date                                 |
| BIOS             | Manufacturer                                 |
|                  | Version                                      |
|                  | Release Date                                 |
| Network          | Network Interface                            |
|                  | IPv4 Address                                 |
|                  | IPv6 Address                                 |
|                  | Subnet Mask                                  |
|                  | MAC Address                                  |
|                  | Default Gateway                              |
| Controller       | ID   |
|                  | Name   |



| Category            | Attribute name                                |
|---------------------|---|
|                     | State   |
|                     | Firmware Version                              |
|                     | Driver Version                                |
|                     | Number of Connectors                          |
|                     | Rebuild Rate                                  |
|                     | BGI Rate                                      |
|                     | Check Consistency Rate                        |
|                     | Reconstruct Rate                              |
|                     | Abort Check Consistency On Error              |
|                     | Allow Revertible Hot Spare And Replace Member |
|                     | Load Balance                                  |
|                     | Auto Replace Member On Predictive Failure     |
|                     | Cache Memory Size (MB)                        |
|                     | Patrol Read Mode                              |
|                     | Patrol Read State                             |
|                     | Patrol Read Iterations                        |
| Number of Extenders |   |

## Accessing the System items

To access the System items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **System**.

## System items

 **NOTE: If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, System data will not be available in periodic collections from that device.**

## BIOS

Table 2. BIOS

| Category | Sub category         | Attribute name        |
|----------|----------------------|-----------------------|
| BIOS     |                      | Manufacturer          |
|          |                      | Version               |
|          |                      | Release Date          |
|          | Serial Communication | Serial Communications |
|          |                      | Serial Port Address   |

| Category                      | Sub category       | Attribute name            |   |
|-------------------------------|--------------------|---------------------------|---|
|                               |                    | External Serial connector |   |
|                               |                    | Failsafe Baud Rate        |   |
|                               |                    | Remote Terminal Type      |   |
|                               |                    | Redirection After Boot    |   |
|                               | System Information |                           | System BIOS Version                     |
|                               |                    |                           | System Service Tag                      |
|                               |                    |                           | System Manufacturer Contact Information |
|                               |                    |                           | System Manufacturer                     |
|                               |                    |                           | System Model Name                       |
|                               |                    |                           | System CPLD Version                     |
|                               | UEFI Boot Setting  |                           | UEFI Boot Sequence                      |
|                               |                    |                           | UEFI PXE boot protocol                  |
|                               | Memory Setting     |                           | System Memory Size                      |
|                               |                    |                           | System Memory Type                      |
|                               |                    |                           | System Memory Speed                     |
|                               |                    |                           | System Memory Voltage                   |
|                               |                    |                           | Video Memory                            |
|                               |                    |                           | System Memory Testing                   |
|                               |                    |                           | Memory Operating Mode                   |
|                               |                    |                           | Node Interleaving                       |
|                               | Processor Setting  |                           | Logical Processor                       |
|                               |                    |                           | QPI Speed                               |
|                               |                    |                           | Virtualization Technology               |
|                               |                    |                           | Adjacent Cache Line Prefetch            |
|                               |                    |                           | Hardware Prefetcher                     |
|                               |                    |                           | DCU Streamer Prefetcher                 |
|                               |                    |                           | DCU IP Prefetcher                       |
|                               |                    |                           | Execute Disable                         |
| Logical Processor Idling      |                    |                           |   |
| Number of Cores per Processor |                    |                           |   |
| Processor 64-bit Support      |                    |                           |   |
| Processor Core Speed          |                    |                           |   |
| Processor Bus Speed           |                    |                           |   |

| Category                              | Sub category           | Attribute name   |
|---------------------------------------|------------------------|--|
|                                       |                        | Family-Model-Stepping  |
|                                       |                        | Brand  |
|                                       |                        | Level <level_number> Cache                                   |
|                                       |                        | Number of Cores  |
|                                       | SATA Setting           | Embedded SATA  |
|                                       |                        | Security Freeze Lock   |
|                                       |                        | Write Cache  |
|                                       |                        | Port <port name>   |
|                                       |                        | Model  |
|                                       |                        | Drive Type   |
|                                       |                        | Capacity   |
|                                       | Boot Setting           | Boot Mode  |
|                                       |                        | Boot Sequence Retry  |
|                                       | Integrated Device      | User Accessible USB Ports                                    |
|                                       |                        | Internal USB Port  |
|                                       |                        | Integrated Network Card                                      |
|                                       |                        | Integrated Network Card <number> Port <number> Boot Protocol |
|                                       |                        | OS Watchdog Timer  |
|                                       |                        | I/OAT DMA Engine   |
|                                       |                        | Embedded Video Controller                                    |
|                                       |                        | SR-IOV Global Enable   |
|                                       |                        | Memory Mapped I/O above 4GB                                  |
|                                       | System Profile Setting | Monitor/Mwait  |
|                                       |                        | CPU Power Management   |
|                                       |                        | System Profile   |
|                                       |                        | Turbo Boost  |
|                                       |                        | C1E  |
|                                       |                        | Memory Patrol Scrub  |
|                                       |                        | Memory Refresh Rate  |
|                                       |                        | C States   |
|                                       |                        | Memory Frequency   |
|                                       |                        | Memory Operating Voltage                                     |
| Collaboration CPU Performance Control |                        |  |

| Category | Sub category               | Attribute name                       |
|----------|----------------------------|--------------------------------------|
|          | System Security            | Intel(R) AES-NI                      |
|          |                            | System Password                      |
|          |                            | Setup Password                       |
|          |                            | Password Status                      |
|          |                            | TPM Security                         |
|          |                            | TPM Activation                       |
|          |                            | TPM Status                           |
|          |                            | TPM Clear                            |
|          |                            | Intel(R) TXT                         |
|          |                            | AC Power Recovery                    |
|          |                            | AC Power Recovery Delay              |
|          |                            | User Defined Delay (60s to 240s)     |
|          |                            | UEFI Variable Access                 |
|          |                            | Miscellaneous Settings               |
|          | Keyboard NumLock           |                                      |
|          | Report Keyboard Errors     |                                      |
|          | F1/F2 Prompt on Error      |                                      |
|          | In-System Characterization |                                      |
|          | Boot Option Setting        | Hard-Disk Drive Sequence             |
|          |                            | Boot Sequence                        |
|          | One Time Boot              | BIOS Boot Sequence Device            |
|          |                            | BIOS Hard-Disk Drive Sequence Device |
|          |                            | UEFI Boot Sequence Device            |
|          |                            | One-Time Boot Device List            |
|          | Slot Disablement           | Slot <number>                        |

## Intrusion

Table 3. Intrusion

| Category  | Sub category | Attribute name |
|-----------|--------------|----------------|
| Intrusion |              | Probe Name     |
|           |              | State          |
|           |              | Status         |

## Hardware Performance

**Table 4. Hardware Performance**

| Category             | Sub category | Attribute name |
|----------------------|--------------|----------------|
| Hardware Performance |              | Probe Name     |
|                      |              | Status         |
|                      |              | Cause          |

## Battery

**Table 5. Battery**

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Battery  |              | Probe Name     |
|          |              | Reading (Amp)  |
|          |              | Status         |

## Hardware Log

**Table 6. Hardware Log**

| Category     | Sub category | Attribute name |
|--------------|--------------|----------------|
| Hardware Log |              | Description    |
|              |              | Date And Time  |
|              |              | Severity       |
|              |              | Raw SEL Data   |

## Main Chassis

**Table 7. Main Chassis**

| Category     | Sub category | Attribute name                           |
|--------------|--------------|--|
| Main Chassis |              | Chassis Lock                             |
|              |              | Chassis Name                             |
|              |              | Device System Id                         |
|              |              | Express Service Code                     |
|              |              | Flash Chassis Identify LED State         |
|              |              | Flash Chassis Identify LED Timeout value |
|              |              | Fault LED Flash On Severity Level        |
|              |              | Host Name                                |
|              |              | System Location                          |
|              |              | Index                                    |

| Category | Sub category                  | Attribute name               |
|----------|-------------------------------|------------------------------|
|          |                               | Server Asset Tag             |
|          |                               | Server Model                 |
|          |                               | Server Module Location       |
|          |                               | Server Service Tag           |
|          |                               | System Revision              |
|          |                               | System Revision name         |
|          | Additional Information        | DRAC or iDRAC Version        |
|          |                               | Lifecycle Controller Version |
|          | Modular Enclosure Information | Manufacturer                 |
|          |                               | Version                      |
|          |                               | Release Date                 |

## Port

Table 8. Port

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Port     |              | External Name  |
|          |              | Base I/O Addr  |
|          |              | IRQ Level      |
|          |              | Connector Type |
|          |              | Port Type      |

## Firmware

Table 9. Firmware

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Firmware |              | Name           |
|          |              | Version        |

## Processor

Table 10. Processor

| Category  | Sub category | Attribute name  |
|-----------|--------------|-----------------|
| Processor |              | Connector Name  |
|           |              | Manufacturer    |
|           |              | Family          |
|           |              | Processor Brand |
|           |              | Version         |

| Category                     | Sub category | Attribute name               |
|------------------------------|--------------|------------------------------|
|                              |              | Core Count                   |
|                              |              | Current Speed                |
|                              |              | Maximum Speed                |
|                              |              | External Clock Speed         |
|                              |              | Voltage                      |
|                              |              | State                        |
|                              |              | Status                       |
|                              |              | Occupied                     |
|                              | CPU Detail   | Cache1 Maximum Size          |
|                              |              | Cache2 Maximum Size          |
|                              |              | Cache3 Maximum Size          |
|                              |              | Cache1 Size                  |
|                              |              | Cache1 Write Policy          |
|                              |              | Cache1 Associativity         |
|                              |              | Cache1 Error Correction Type |
|                              |              | Cache1 Location              |
|                              |              | Cache1 Type                  |
|                              |              | Cache1 Level                 |
|                              |              | Cache1 Status                |
|                              |              | Cache2 Size                  |
|                              |              | Cache2 Write Policy          |
|                              |              | Cache2 Associativity         |
|                              |              | Cache2 Error Correction Type |
|                              |              | Cache2 Location              |
|                              |              | Cache2 Type                  |
|                              |              | Cache2 Level                 |
|                              |              | Cache2 Status                |
|                              |              | Cache3 Size                  |
|                              |              | Cache3 Write Policy          |
|                              |              | Cache3 Associativity         |
| Cache3 Error Correction Type |              |                              |
| Cache3 Location              |              |                              |
| Cache3 Type                  |              |                              |
| Cache3 Level                 |              |                              |

| Category | Sub category                           | Attribute name |
|----------|--|----------------|
|          | CPU Detail > Virtualization Technology | Cache3 Status  |
|          |  | Technology     |
|          |  | Capable        |
|          | CPU Detail > Hyper Threading           | Enabled        |
|          |  | Technology     |
|          |  | Capable        |
|          | CPU Detail > Turbo Mode                | Enabled        |
|          |  | Technology     |
|          |  | Capable        |
|          | CPU Detail > Support 64-bit            | Enabled        |
|          |  | Technology     |
|          |  | Capable        |
|          | CPU Detail > Demand based Switching    | Enabled        |
|          |  | Technology     |
|          |  | Capable        |
|          | CPU Detail > No Execute                | Enabled        |
|          |  | Technology     |
|          |  | Capable        |

## Fan

Table 11. Fan

| Category       | Sub category | Attribute name            |
|----------------|--------------|---------------------------|
| Fan Redundancy |              | Redundancy Status         |
| Fan            | Probe List   | Status                    |
|                |              | Probe Name                |
|                |              | Reading                   |
|                |              | Minimum Warning Threshold |
|                |              | Maximum Warning Threshold |
|                |              | Minimum Failure Threshold |
|                |              | Maximum Failure Threshold |



## Fan Redundancy

Table 12. Fan Redundancy

| Category       | Sub category | Attribute name            |
|----------------|--------------|---------------------------|
| Fan Redundancy |              | Redundancy Status         |
| Fan            | Probe List   | Status                    |
|                |              | Probe Name                |
|                |              | Reading                   |
|                |              | Minimum Warning Threshold |
|                |              | Maximum Warning Threshold |
|                |              | Minimum Failure Threshold |
|                |              | Maximum Failure Threshold |

## Temperature

Table 13. Temperature

| Category    | Sub category | Attribute name            |
|-------------|--------------|---------------------------|
| Temperature |              | Probe Name                |
|             |              | Reading (Amp)             |
|             |              | Minimum Failure Threshold |
|             |              | Minimum Warning Threshold |
|             |              | Maximum Failure Threshold |
|             |              | Minimum Warning Threshold |
|             |              | Status                    |

## Voltage

Table 14. Voltage

| Category | Sub category | Attribute name            |
|----------|--------------|---------------------------|
| Voltage  |              | Probe Name                |
|          |              | Reading (Amp)             |
|          |              | Minimum Failure Threshold |
|          |              | Maximum Failure Threshold |
|          |              | Minimum Warning Threshold |
|          |              | Maximum Warning Threshold |
|          |              | Status                    |

## Power Supply

**Table 15. Power Supply**

| Category                | Sub category | Attribute name           |
|-------------------------|--------------|--------------------------|
| Power Supply Redundancy |              | Redundancy Status        |
| Power Supply            |              | Location                 |
|                         |              | Power Monitoring Capable |
|                         |              | Maximum Output Wattage   |
|                         |              | Firmware Version         |
|                         |              | Online Status            |
|                         |              | Status                   |
|                         |              | Type                     |

## Network(s)

**Table 16. Network(s)**

| Category        | Sub category | Attribute name            |
|-----------------|--------------|---------------------------|
| Network(s)      |              | Interface Name            |
|                 |              | Link Status               |
|                 |              | Duplex                    |
|                 |              | IRQ                       |
|                 |              | DMA                       |
|                 |              | Base IO Address           |
|                 |              | Base Memory Address       |
|                 |              | Description               |
|                 |              | Vendor                    |
|                 |              | Slot Name                 |
|                 |              | Driver Name               |
|                 |              | Driver Version            |
|                 |              | Driver Image Path         |
|                 |              | Current MAC Address       |
|                 |              | Team Name                 |
|                 |              | Firmware Version          |
|                 |              | Maximum Transmission Unit |
|                 |              | Speed                     |
| Default Gateway |              |                           |

| Category | Sub category | Attribute name                               |
|----------|--------------|--|
|          |              | Received Good Frames                         |
|          |              | Received Bad Frames                          |
|          |              | Received Alignment Errors                    |
|          |              | Received FCS Errors                          |
|          |              | Received Frames Too Long                     |
|          |              | Received Bytes                               |
|          |              | Received Total Packets                       |
|          |              | Received Unicast Packets                     |
|          |              | Received Multicast Packets                   |
|          |              | Received Discarded Packets                   |
|          |              | Received Error Packets                       |
|          |              | Transmitted Bytes                            |
|          |              | Transmitted Total Packets                    |
|          |              | Transmitted Unicast Packets                  |
|          |              | Transmitted Multicast Packets                |
|          |              | Transmitted Broadcast Packets                |
|          |              | Transmitted Discarded Packets                |
|          |              | Transmitted Error Packets                    |
|          |              | Transmitted Collisions                       |
|          |              | Transmitted Single Collision Frames          |
|          |              | Transmitted Multiple Collision Frames        |
|          |              | Transmitted Deferred Transmits               |
|          |              | Transmitted Late Collisions                  |
|          |              | Transmitted Excessive Collisions             |
|          |              | Transmitted Carrier Sense Errors             |
|          |              | Transmitted Internal MAC Transmission Errors |
|          |              | Received Internal MAC Receiving Errors       |
|          |              | Administrative Status                        |
|          |              | Type   |
|          |              | Connection Status                            |
|          |              | DHCP Server                                  |
|          |              | Default IPv6 Gateway                         |
|          |              | DHCPv6 Server                                |

| Category | Sub category   | Attribute name             |
|----------|----------------|----------------------------|
|          |                | Interface Description      |
|          |                | Transmitted Good Frames    |
|          |                | Transmitted Bad Frames     |
|          |                | Received Unknown Protocols |
|          |                | Transmitted Queue Length   |
|          |                | TOE Enabled                |
|          |                | NparEP Enabled             |
|          |                | TOE Capable                |
|          | IPv4 Addresses | Description                |
|          |                | IPv4 Address               |
|          |                | Subnet Mask                |
|          | IPv6 Addresses | Description                |
|          |                | Prefix Length              |
|          |                | IPv6 Address               |
|          |                | IPv6 Address Name          |

## FRU

Table 17. FRU

| Category | Sub category | Attribute name                         |
|----------|--------------|--|
| FRU      |              | System Planar                          |
|          |              | Remote Access Controller Version       |
|          |              | SAS Controller Daughter Card (Storage) |
|          |              | Power Supply                           |
|          |              | Primary Backplane (Storage)            |
|          |              | Memory DIMM Slots                      |
|          |              | Disk Drive Bay (BP)                    |
|          |              | Add-in Card (NDC)                      |
|          |              | Add-in Card (MEZZB)                    |
|          |              | Add-in Card (PERC1)                    |
|          |              | Add-in Card (IDSMD)                    |
|          |              | DRIVE BACKPLANE                        |
|          |              | NIC.Integrated                         |
|          |              | RAID.Integrated                        |
| NIC.Slot |              |  |

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
|          |              | RAID.Slot      |

## Remote Access Device

Table 18. Remote Access Device

| Category             | Sub category              | Attribute name                     |
|----------------------|---------------------------|------------------------------------|
| Remote Access Device |                           | Device Type                        |
|                      |                           | IPMI Version                       |
|                      |                           | System GUID                        |
|                      |                           | Number of Possible Active Sessions |
|                      |                           | Number of Current Active Sessions  |
|                      |                           | Enable IPMI Over LAN               |
|                      |                           | SOL Enabled                        |
|                      |                           | IPv4 Address Source                |
|                      |                           | IPv4 Address                       |
|                      |                           | IPv4 Subnet                        |
|                      |                           | IPv4 Gateway                       |
|                      |                           | MAC Address                        |
|                      |                           | Enable VLAN ID                     |
|                      |                           | VLAN ID                            |
|                      |                           | Priority                           |
|                      | NIC Configuration         | Channel Number                     |
|                      |                           | Primary Network                    |
|                      |                           | Failover Network                   |
|                      | Serial Port Configuration | Channel Number                     |
|                      |                           | Connection Mode Settings           |
|                      |                           | Baud Rate                          |
|                      |                           | Delete Control                     |
|                      |                           | Flow Control                       |
|                      |                           | Channel Privilege Level Limit      |
|                      |                           | Serial Port Configuration          |
|                      |                           | Line Editing                       |
|                      |                           | Echo Control                       |
|                      |                           | Handshaking Control                |
|                      |                           | New Line Sequence                  |

| Category  | Sub category                  | Attribute name                |
|-----------|-------------------------------|-------------------------------|
|           | Serial Over LAN Configuration | Input New Line Sequence       |
|           |                               | Channel Number                |
|           |                               | Serial Over LAN Configuration |
|           |                               | Retry Count                   |
|           |                               | Retry Interval                |
|           |                               | Character Accumulate Interval |
|           |                               | Character Send Threshold      |
|           |                               | Minimum Privileges Required   |
| Baud Rate |                               |                               |

## Front Panel

Table 19. Front Panel

| Category    | Sub category         | Attribute name                  |
|-------------|----------------------|---------------------------------|
| Front Panel |                      | Power Button                    |
|             |                      | NMI Button                      |
|             | LCD Information      | Front Panel LCD Security Access |
|             |                      | Enable Remote Indication        |
|             | LCD Line Information | Name                            |
|             |                      | Value                           |

## Removable Flash Media

Table 20. Removable Flash Media

| Category              | Sub category | Attribute name      |
|-----------------------|--------------|---------------------|
| Removable Flash Media |              | Type                |
|                       |              | Connector Name      |
|                       |              | Available Size (MB) |
|                       |              | State               |
|                       |              | Storage Size (MB)   |

## Slot

Table 21. Slot

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Slot     |              | ID             |
|          |              | Slot ID        |
|          |              | Type           |

| Category | Sub category | Attribute name                           |
|----------|--------------|--|
|          |              | Slot Length                              |
|          |              | Speed                                    |
|          |              | Category                                 |
|          |              | Hot Plug Capable                         |
|          |              | Voltage Supply                           |
|          |              | Shared Slot                              |
|          |              | Card Bus                                 |
|          |              | Modem Ring Resume                        |
|          |              | Zoom Video                               |
|          |              | PC Card-16                               |
|          |              | Power Management Enable (PME#)<br>Signal |
|          |              | Adapter Data Bus Width                   |
|          |              | Adapter Manufacturer                     |
|          |              | Adapter Description                      |

## Slot Tree

Table 22. Slot Tree

| Category  | Sub category | Attribute name    |
|-----------|--------------|-------------------|
| Slot Tree |              | Device Name       |
|           |              | Bus               |
|           |              | Device            |
|           |              | Function          |
|           |              | Device Identifier |

## Slot Tree Child

Table 23. Slot Tree Child

| Category  | Sub category | Attribute name    |
|-----------|--------------|-------------------|
| Slot Tree |              | Device Name       |
|           |              | Bus               |
|           |              | Device            |
|           |              | Function          |
|           |              | Device Identifier |

## Component Detail

Table 24. Component Detail

| Category  | Sub category | Attribute name    |
|-----------|--------------|-------------------|
| Slot Tree |              | Device Name       |
|           |              | Bus               |
|           |              | Device            |
|           |              | Function          |
|           |              | Device Identifier |

## Power Management

Table 25. Power Management

| Category         | Sub category              | Attribute name                    |
|------------------|---------------------------|-----------------------------------|
| Power Management |                           | Probe Name                        |
|                  |                           | Reading (Amp)                     |
|                  |                           | Failure Threshold                 |
|                  |                           | Warning Threshold                 |
|                  |                           | Status                            |
|                  | Amperage                  | Location                          |
|                  |                           | Reading (Amp)                     |
|                  | Power Headroom            | System Instantaneous Headroom     |
|                  |                           | System Peak Headroom              |
|                  | Power Tracking Statistics | Statistics (Energy Consumption)   |
|                  |                           | Statistics (System Peak Power)    |
|                  |                           | Statistics (System Peak Amperage) |
|                  |                           | Measurement Start Time            |
|                  |                           | Measurement Finish Time           |
|                  |                           | Reading (Amp)                     |
|                  | Power Inventory           | Peak Time                         |
|                  |                           | System Idle Power                 |
|                  |                           | System Maximum Potential Power    |
|                  |                           |                                   |
|                  | Power Budget              | Enable Power Capping              |
| Power Capping    |                           |                                   |



## Memory Array

Table 26. Memory Array

| Category     | Sub category | Attribute name                               |
|--------------|--------------|--|
| Memory Array |              | Location                                     |
|              |              | Use  |
|              |              | Installed Capacity (MB)                      |
|              |              | Maximum Capacity (MB)                        |
|              |              | Slots Available                              |
|              |              | Slots Used                                   |
|              |              | ECC Type                                     |
|              |              | Total Installed Capacity                     |
|              |              | Total Installed Capacity Available To The OS |
|              |              | Total Maximum Capacity                       |
|              | Memory       | Device Name                                  |
|              |              | Size   |
|              |              | Speed  |
|              |              | Rank   |
|              |              | Failures                                     |
|              |              | Status                                       |
|              |              | Type   |
| Type Detail  |              |  |

## Auto Recovery

Table 27. Auto Recovery

| Category      | Sub category | Attribute name                  |
|---------------|--------------|---------------------------------|
| Auto Recovery |              | Action On Hung Operating System |
|               |              | System Reset Timer              |

# Accessing the Storage items

To access the Storage items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Storage**.

## Storage items

 **NOTE:** If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, Storage items will not be available in periodic collections from that device.

### Controller(s)

Table 28. Controller(s)

| Category           | Sub category | Attribute name                                |
|--------------------|--------------|---|
| Controller(s)      |              | ID  |
|                    |              | Name  |
|                    |              | Firmware Version                              |
|                    |              | Driver Version                                |
|                    |              | Storport Driver Version                       |
|                    |              | Number Of Connectors                          |
|                    |              | Rebuild Rate                                  |
|                    |              | BGI Rate                                      |
|                    |              | Reconstruct Rate                              |
|                    |              | Check Consistency Rate                        |
|                    |              | Cache Memory Size (MB)                        |
|                    |              | Patrol Read Rate                              |
|                    |              | Patrol Read Iterations                        |
|                    |              | State   |
|                    |              | Slot ID                                       |
|                    |              | Abort Check Consistency On Error              |
|                    |              | Allow Revertible Hot Spare And Replace Member |
|                    |              | Load Balance                                  |
|                    |              | Auto Replace Member On Predictive Failure     |
|                    |              | Persistent Hot Spare                          |
| CacheCade Capable  |              |   |
| Encryption Capable |              |   |

| Category | Sub category                      | Attribute name                        |      |
|----------|-----------------------------------|---------------------------------------|------|
|          |                                   | Encryption Key Present                |      |
|          |                                   | Spin Down Unconfigured Drives         |      |
|          |                                   | Spin Down Hot Spares                  |      |
|          |                                   | Spin Down Configured Drives           |      |
|          |                                   | Automatic Disk Power Saving (IdleC)   |      |
|          |                                   | Patrol Read Mode                      |      |
|          |                                   | Time Interval For Spin Down (Minutes) |      |
|          |                                   | Alarm State                           |      |
|          |                                   | T10 Protection Information Capable    |      |
|          |                                   | Patrol Read State                     |      |
|          |                                   | Encryption Mode                       |      |
|          |                                   | Status                                |      |
|          |                                   | Controller Battery                    | ID   |
|          |                                   |                                       | Name |
|          | State                             |                                       |      |
|          | Status                            |                                       |      |
|          | Connector                         |                                       |      |
|          | Firmware Version                  |                                       |      |
|          | Service Tag                       |                                       |      |
|          | Asset Tag                         |                                       |      |
|          | Asset Name                        |                                       |      |
|          | Target ID                         |                                       |      |
|          | Split Bus Part Number             |                                       |      |
|          | Express Service Code              |                                       |      |
|          | Enclosure > Enclosure Fan         | SAS Address                           |      |
|          |                                   | Enclosure Alarm                       |      |
|          |                                   | Configuration                         |      |
|          |                                   | Name                                  |      |
|          |                                   | Status                                |      |
|          |                                   | Part Number                           |      |
|          |                                   | State                                 |      |
|          |                                   | Speed                                 |      |
|          | Enclosure > Enclosure Temperature | Status                                |      |
|          |                                   | State                                 |      |

| Category                     | Sub category                       | Attribute name                   |
|------------------------------|------------------------------------|----------------------------------|
|                              |                                    | Reading (Amp)                    |
|                              |                                    | Minimum Warning Threshold        |
|                              |                                    | Maximum Warning Threshold        |
|                              |                                    | Minimum Failure Threshold        |
|                              |                                    | Maximum Failure Threshold        |
|                              |                                    | ID                               |
|                              |                                    | Name                             |
|                              | Enclosure > Enclosure Power Supply | Name                             |
|                              |                                    | Status                           |
|                              |                                    | Part Number                      |
|                              |                                    | Firmware Version                 |
|                              |                                    | State                            |
|                              | Enclosure > Enclosure EMM          | Name                             |
|                              |                                    | Status                           |
|                              |                                    | Part Number                      |
|                              |                                    | Firmware Version                 |
|                              |                                    | State                            |
|                              | Enclosure > Array Disks            | Connector                        |
|                              |                                    | Status                           |
|                              |                                    | Serial Number                    |
|                              |                                    | Name                             |
|                              |                                    | State                            |
|                              |                                    | Power Status                     |
|                              |                                    | Bus Protocol                     |
|                              |                                    | Failure Predicted                |
|                              |                                    | Media Type                       |
|                              |                                    | Revision                         |
|                              |                                    | T10 PI (Protection Info) Capable |
| Certified                    |                                    |                                  |
| Encrypted                    |                                    |                                  |
| Encryption Capable           |                                    |                                  |
| Capacity                     |                                    |                                  |
| Used RAID Disk Space (Bytes) |                                    |                                  |
| Available RAID Disk Space    |                                    |                                  |

| Category | Sub category                          | Attribute name                     |
|----------|---------------------------------------|------------------------------------|
|          |                                       | Hot Spare                          |
|          |                                       | Progress                           |
|          |                                       | Mirror Set ID                      |
|          |                                       | Model Number                       |
|          |                                       | Vendor                             |
|          |                                       | Part Number                        |
|          |                                       | Maximum Capable Speed              |
|          |                                       | SAS Address                        |
|          |                                       | Negotiated Speed                   |
|          |                                       | Product ID                         |
|          |                                       | Manufactured Year                  |
|          |                                       | Manufactured Week                  |
|          |                                       | Manufactured Day                   |
|          |                                       | Sector Size                        |
|          |                                       | Device Name                        |
|          | Virtual Disk(s)                       | Name                               |
|          |                                       | Progress                           |
|          |                                       | T10 Protection Information Capable |
|          |                                       | Size                               |
|          |                                       | Layout                             |
|          |                                       | State                              |
|          |                                       | Status                             |
|          |                                       | Device Name                        |
|          |                                       | Bus Protocol                       |
|          |                                       | Media Type                         |
|          |                                       | Cache Policy                       |
|          |                                       | Disk Cache Policy                  |
|          |                                       | Read Policy                        |
|          |                                       | Stripe Element Size                |
|          |                                       | Write Policy                       |
|          | Virtual Disk(s) > Array Disk Extender | Connector                          |
|          |                                       | Status                             |
|          |                                       | Serial Number                      |
|          |                                       | Name                               |

| Category | Sub category | Attribute name                   |
|----------|--------------|----------------------------------|
|          |              | State                            |
|          |              | Power Status                     |
|          |              | Bus Protocol                     |
|          |              | Failure Predicted                |
|          |              | Media Type                       |
|          |              | Revision                         |
|          |              | T10 PI (Protection Info) Capable |
|          |              | Certified                        |
|          |              | Encrypted                        |
|          |              | Encryption Capable               |
|          |              | Capacity                         |
|          |              | Used RAID Disk Space (Bytes)     |
|          |              | Available RAID Disk Space        |
|          |              | Hot Spare                        |
|          |              | Progress                         |
|          |              | Mirror Set ID                    |
|          |              | Model Number                     |
|          |              | Vendor                           |
|          |              | Part Number                      |
|          |              | Maximum Capable Speed            |
|          |              | SAS Address                      |
|          |              | Negotiated Speed                 |
|          |              | Product ID                       |
|          |              | Manufactured Year                |
|          |              | Manufactured Week                |
|          |              | Manufactured Day                 |
|          |              | Sector Size                      |
|          |              | Device Name                      |
|          |              | ID                               |
|          |              | Name                             |
|          |              | Firmware Version                 |
|          |              | Driver Version                   |
|          |              | Storport Driver Version          |
|          |              | Number Of Connectors             |

| Category | Sub category      | Attribute name                                |      |
|----------|-------------------|---|------|
|          |                   | Rebuild Rate                                  |      |
|          |                   | BGI Rate                                      |      |
|          |                   | Reconstruct Rate                              |      |
|          |                   | Check Consistency Rate                        |      |
|          |                   | Cache Memory Size (MB)                        |      |
|          |                   | Patrol Read Rate                              |      |
|          |                   | Patrol Read Iterations                        |      |
|          |                   | State   |      |
|          |                   | Slot ID                                       |      |
|          |                   | Abort Check Consistency On Error              |      |
|          |                   | Allow Revertible Hot Spare And Replace Member |      |
|          |                   | Load Balance                                  |      |
|          |                   | Auto Replace Member On Predictive Failure     |      |
|          |                   | Persistent Hot Spare                          |      |
|          |                   | CacheCade Capable                             |      |
|          |                   | Encryption Capable                            |      |
|          |                   | Encryption Key Present                        |      |
|          |                   | Spin Down Unconfigured Drives                 |      |
|          |                   | Spin Down Hot Spares                          |      |
|          |                   | Spin Down Configured Drives                   |      |
|          |                   | Automatic Disk Power Saving (IdleC)           |      |
|          |                   | Patrol Read Mode                              |      |
|          |                   | Time Interval For Spin Down (Minutes)         |      |
|          |                   | Alarm State                                   |      |
|          |                   | T10 Protection Information Capable            |      |
|          |                   | Patrol Read State                             |      |
|          |                   | Encryption Mode                               |      |
|          |                   | Status  |      |
|          |                   | Extender > Enclosure                          | ID   |
|          |                   |   | Name |
|          | State             |   |      |
|          | PCIe SSD Extender |   |      |

| Category | Sub category | Attribute name   |
|----------|--------------|------------------|
|          |              | Firmware Version |
|          |              | Asset Name       |

## SATA Controller(s)

Table 29. SATA Controller(s)

| Category           | Sub category  | Attribute name    |
|--------------------|---------------|-------------------|
| SATA Controller(s) |               | Name              |
|                    |               | Firmware Version  |
|                    |               | Description       |
|                    |               | Device Location   |
|                    |               | Parent Location   |
|                    |               | Manufacturer      |
|                    |               | Serial Number     |
|                    |               | Model Number      |
|                    |               | Device Descriptor |
|                    |               | Asset Tag         |
|                    | Status        |                   |
|                    | Optical Drive | Name              |
|                    |               | Status            |
|                    |               | Firmware Version  |
|                    |               | Device Descriptor |
|                    |               | Description       |
|                    |               | Device Location   |
|                    |               | Parent Location   |
|                    |               | Manufacturer      |
|                    |               | Serial Number     |
| Model Number       |               |                   |
| Asset Tag          |               |                   |

## Fibre Channel Controller(s)

Table 30. Fibre Channel Controller(s)

| Category                    | Sub category | Attribute name |
|-----------------------------|--------------|----------------|
| Fibre Channel Controller(s) |              | Name           |
|                             |              | Host WWN       |



| Category | Sub category           | Attribute name       |
|----------|------------------------|----------------------|
|          |                        | Vendor Name          |
|          |                        | Model                |
|          |                        | Firmware Version     |
|          |                        | Driver Version       |
|          |                        | Serial Number        |
|          |                        | Vendor Code          |
|          |                        | Type                 |
|          | Fibre Channel HBA port | Port Number          |
|          |                        | Port WWN             |
|          |                        | Port OS Name         |
|          |                        | Port Type            |
|          |                        | Port Supported Speed |
|          |                        | Port State           |
|          |                        | Port FC ID           |

## Accessing the Software items

To access the Software items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Software**.

## Software items

### Operating System

**Table 31. Operating System**

| Category         | Sub category | Attribute name       |
|------------------|--------------|----------------------|
| Operating System |              | SMBIOS Version       |
|                  |              | OS Name              |
|                  |              | Other OS Description |
|                  |              | OS Manufacturer      |
|                  |              | Windows Directory    |
|                  |              | System Directory     |
|                  |              | Boot Device          |
|                  |              | Locale               |
|                  |              | System Manufacturer  |
|                  |              | System Model         |

| Category | Sub category  | Attribute name             |
|----------|---|----------------------------|
|          |   | System Type                |
|          |   | User Name                  |
|          |   | Version                    |
|          |   | Time Zone                  |
|          |   | OS Install Date            |
|          |   | BIOS Version               |
|          |   | BIOS Release Date          |
|          |   | Hardware Abstraction Layer |
|          |   | System Name                |
|          |   | Page File Size             |
|          |   | Page File Name             |
|          | Resource > IRQ                                      | IRQ Number                 |
|          |   | Caption                    |
|          |   | Status                     |
|          | Resource > Memory Range                             | Range                      |
|          |   | Device                     |
|          |   | Status                     |
|          | Resource > IO Range                                 | Address Range              |
|          |   | Device                     |
|          |   | Status                     |
|          | Resource > DMA                                      | Channel                    |
|          |   | Status                     |
|          |   | Device                     |
|          | Component > iSCSI Detail(s) > iSCSI Session(s)      | Session ID                 |
|          |   | Initiator Node Name        |
|          |   | Target Node Name           |
|          |   | Target Name                |
|          |   | IS ID                      |
|          |   | Number of Connection       |
|          |   | TS ID                      |
|          | Component > iSCSI Detail(s) > iSCSI Connection Data | Connection Id              |
|          |   | Initiator Portal           |
|          |   | Target Portal              |
|          |   | CID                        |

| Category | Sub category                                      | Attribute name                            |
|----------|---|---|
|          | Component > iSCSI Detail(s) > Session Device Data | Device Type                               |
|          |   | Device Number                             |
|          |   | Storage Device Type                       |
|          |   | Partition Number                          |
|          |   | Friendly Name                             |
|          |   | Device Description                        |
|          |   | Reported Mappings                         |
|          |   | Location                                  |
|          |   | Initiator Name                            |
|          |   | Device Target Name                        |
|          |   | Legacy Device Name                        |
|          |   | Device Instance                           |
|          |   | Component > iSCSI Detail(s) > Portal Data |
|          | Initiator Name                                    |   |
|          | Symbolic Name                                     |   |
|          | Port Number                                       |   |
|          | Component > Network Adapter                       | Name                                      |
|          |   | Adapter Type                              |
|          |   | Product Type                              |
|          |   | Installed                                 |
|          |   | PNP Device ID                             |
|          |   | Last Reset                                |
|          |   | Index                                     |
|          |   | Service Name                              |
|          |   | DNS Server IP                             |
|          |   | DNS Domain                                |
|          |   | Driver Path                               |
|          |   | DHCP Enabled                              |
|          |   | DHCP Server                               |
|          |   | DHCP Lease Expires                        |
|          |   | IPv4 Address                              |
|          | IPv6 Address                                      |   |
|          | IP Subnet   |   |
|          | IP Enabled  |   |

| Category            | Sub category                 | Attribute name                |
|---------------------|------------------------------|-------------------------------|
|                     |                              | Default IP Gateway            |
|                     |                              | MAC Address                   |
|                     |                              | DHCP Lease Obtained           |
|                     | Component > Network Protocol | Name                          |
|                     |                              | Connectionless Service        |
|                     |                              | Guarantees Delivery           |
|                     |                              | Guarantees Sequencing         |
|                     |                              | Maximum Address Size          |
|                     |                              | Maximum Message Size          |
|                     |                              | Message Oriented              |
|                     |                              | Minimum Address Size          |
|                     |                              | Pseudo Stream Oriented        |
|                     |                              | Supports Broadcasting         |
|                     |                              | Supports Connect Data         |
|                     |                              | Supports Encryption           |
|                     |                              | Supports Expedited Data       |
|                     |                              | Supports Disconnect Data      |
|                     |                              | Supports Graceful Closing     |
|                     |                              | Supports Guaranteed Bandwidth |
|                     |                              | Supports Multicasting         |
|                     | Status                       |                               |
|                     | Component > Storage Drive    | Name                          |
|                     |                              | Description                   |
|                     |                              | Compressed                    |
|                     |                              | File System                   |
|                     |                              | Size                          |
|                     |                              | Free Space                    |
|                     |                              | Volume Name                   |
|                     |                              | Volume Serial Number          |
|                     | Component > Storage Disk(s)  | Index                         |
| Manufacturer        |                              |                               |
| Provider Name Model |                              |                               |
| Bytes Per Sector    |                              |                               |
| Media Loaded        |                              |                               |

| Category | Sub category               | Attribute name                                  |                      |
|----------|----------------------------|---|----------------------|
|          |                            | Media Type                                      |                      |
|          |                            | Partitions                                      |                      |
|          |                            | SCSI Bus  |                      |
|          |                            | SCSI Logical Unit                               |                      |
|          |                            | SCSI Port                                       |                      |
|          |                            | SCSI Target ID                                  |                      |
|          |                            | Sectors Per Track                               |                      |
|          |                            | Size (GB)                                       |                      |
|          |                            | Total Cylinders                                 |                      |
|          |                            | Total Sectors                                   |                      |
|          |                            | Total Tracks                                    |                      |
|          |                            | Tracks per Cylinder                             |                      |
|          |                            | Component > Storage Disk(s) > Storage Partition | Partition Disk Index |
|          |                            |   | Partition            |
|          | Partition Size (MB)        |   |                      |
|          | Partition Start            |   |                      |
|          | Bootable Partition         |   |                      |
|          | Partition Type             |   |                      |
|          | Component > USB            | Name  |                      |
|          |                            | PNP Device ID                                   |                      |
|          | Component > Problem Device | Device  |                      |
|          |                            | Error Code                                      |                      |
|          |                            | PNP Device ID                                   |                      |
|          | Component > Display(s)     | Program   |                      |
|          |                            | PNP Device ID                                   |                      |
|          |                            | Adapter Type                                    |                      |
|          |                            | Adapter Description                             |                      |
|          |                            | Adapter RAM                                     |                      |
|          |                            | Driver Version                                  |                      |
|          |                            | Resolution                                      |                      |
|          |                            | Bits Pixel                                      |                      |
|          |                            | Color Table Entries                             |                      |
|          |                            | Installed Drivers                               |                      |
|          |                            | Color Planes                                    |                      |

| Category               | Sub category                | Attribute name   |
|------------------------|-----------------------------|------------------|
|                        | Environment > Boot Pagefile | Initial          |
|                        |                             | Maximum          |
|                        |                             | Current          |
|                        | Environment > Service       | Display Name     |
|                        |                             | Service Name     |
|                        |                             | State            |
|                        |                             | Start Mode       |
|                        |                             | Service Type     |
|                        |                             | Service Path     |
|                        |                             | Error Control    |
|                        |                             | Start Name       |
|                        | Environment > Process       | Name             |
|                        |                             | ID               |
|                        |                             | Memory Usage (K) |
|                        |                             | VM Size (K)      |
|                        |                             | Paged Pool (K)   |
|                        |                             | NP Pool (K)      |
|                        |                             | Page Faults      |
|                        |                             | Priority         |
|                        |                             | Threads          |
|                        |                             | Handles          |
|                        |                             | Started          |
|                        |                             | Path             |
|                        |                             | IO Reads         |
|                        |                             | IO Writes        |
|                        |                             | GDI Objects      |
|                        |                             | User Objects     |
|                        |                             | IO Other         |
|                        |                             | Read bytes       |
|                        |                             | Write bytes      |
|                        | Other bytes                 |                  |
| CPU Time               |                             |                  |
| Environment > Variable | Variable Value              |                  |
|                        | User Name                   |                  |

| Category         | Sub category                          | Attribute name           |
|------------------|---------------------------------------|--------------------------|
|                  |                                       | Full Name                |
|                  |                                       | System Variable          |
|                  | Environment > Driver                  | Name                     |
|                  |                                       | Description              |
|                  |                                       | Internal Name            |
|                  |                                       | File Name                |
|                  |                                       | Start                    |
|                  |                                       | Type                     |
|                  |                                       | Status                   |
|                  |                                       | Version                  |
|                  |                                       | Company Name             |
|                  | Environment > Module                  | Internal Name            |
|                  |                                       | Version                  |
|                  |                                       | Size                     |
|                  |                                       | File Date Time           |
|                  |                                       | Manufacturer             |
|                  |                                       | Source Path              |
|                  | Environment > Processes Memory Detail | Paged (KB)               |
|                  |                                       | Non-Paged (KB)           |
|                  |                                       | Total Commit Charge (KB) |
|                  |                                       | Limit Commit (KB)        |
|                  |                                       | Peak Commit (KB)         |
|                  |                                       | Total Kernel (KB)        |
|                  |                                       | System Cache (KB)        |
|                  |                                       | Total Physical (KB)      |
|                  |                                       | Available Physical (KB)  |
|                  | Environment > Registry                | Key                      |
|                  |                                       | Attribute Name           |
|                  |                                       | Attribute Type           |
|                  |                                       | Attribute Value          |
|                  | Environment > Installed Application   | Name                     |
|                  |                                       | Version                  |
| Install Location |                                       |                          |
| Install Source   |                                       |                          |

| Category   | Sub category           | Attribute name                             |
|--|------------------------|--|
|  |                        | Install Date                               |
|  |                        | Publisher                                  |
|  |                        | URL Information                            |
|  | Logs > Application Log | Type                                       |
|  |                        | Source                                     |
|  |                        | Date And Time                              |
|  |                        | Event ID                                   |
|  |                        | Message                                    |
|  |                        | Status                                     |
|  | Logs > System Log      | Type                                       |
|  |                        | Source                                     |
|  |                        | Date And Time                              |
|  |                        | Event ID                                   |
|  |                        | Message                                    |
|  |                        | Status                                     |
|  | OpenManage             | Common Storage Module                      |
|  |                        | Data Engine                                |
|  |                        | Hardware Application Programming Interface |
|  |                        | Remote Access Controller Managed Node      |
|  |                        | Instrumentation Service                    |
|  |                        | Apache Tomcat Webserver                    |
|  |                        | Oracle Java Runtime Environment            |
|  |                        | OMACS                                      |
|  |                        | Instrumentation Service Integration Layer  |
|  |                        | Server Administrator Instrumentation files |
|  |                        | Inventory Collector                        |
|  |                        | Storage Management                         |
| Server Administrator Common Framework                |                        |  |
| Operating System Logging                             |                        |  |
| QLogic SNMP Agent                                    |                        |  |
| Server Instrumentation SNMP Module                   |                        |  |
| Dell OpenManage Systems Management Software (64-Bit) |                        |  |



| Category | Sub category      | Attribute name                     |
|----------|-------------------|------------------------------------|
|          |                   | Server Instrumentation WMI Module  |
|          | Internet Explorer | svcVersion                         |
|          |                   | MkEnabled                          |
|          |                   | Build                              |
|          |                   | Version                            |
|          |                   | Windows Version                    |
|          |                   | Integrated Browser                 |
|          |                   | Auto Hide                          |
|          |                   | Security Risk Page                 |
|          |                   | Extensions Off Page                |
|          |                   | Default_Search_URL                 |
|          |                   | Default_Page_URL                   |
|          |                   | Anchor_Visitation_Horizon          |
|          |                   | Cache_Percent_of_Disk              |
|          |                   | Placeholder_Width                  |
|          |                   | ApplicationTileImmersiveActivation |
|          |                   | AssociationActivationMode          |
|          |                   | x86AppPath                         |
|          |                   | Placeholder_Height                 |
|          |                   | Use_Async_DNS                      |
|          |                   | Start Page                         |
|          |                   | Local Page                         |
|          |                   | Search Page                        |
|          |                   | Delete_Temp_Files_On_Exit          |
|          |                   | Enable_Disk_Cache                  |
|          |                   | DoNotTrack                         |
|          |                   | (Default)                          |
|          |                   | Path                               |
|          | System Uptime     | Current System Uptime              |
|          |                   | Total Availability Percentage      |
|          |                   | Total Up Time                      |
|          |                   | Total Down Time                    |
|          |                   | Total Reboots                      |
|          |                   | Total Blue Screens                 |

| Category | Sub category           | Attribute name |
|----------|------------------------|----------------|
|          | System Uptime > Uptime | Time           |
|          |                        | Event          |
|          |                        | Comment        |

## Accessing the Logs


To access the logs:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Logs**.

### Logs

#### Logs

Table 32. Logs

| Category  | Sub category      | Attribute name            |
|---|-------------------|---------------------------|
| Logs  | Structured Logs   | Hardware Logs             |
|   |                   | Application Logs          |
|   |                   | System Logs               |
|   | Unstructured Logs | Boot Information          |
|   |                   | Dell Update Packages      |
|   |                   | iSCSI                     |
|   |                   | netstat                   |
|   |                   | OMSA installation         |
|   |                   | OMSA logs                 |
|   |                   | RAID Controller Logs      |
|   |                   | Remote Access Controller  |
|   |                   | Windows evtx files        |
|   |                   | Enclosure Logs            |
|   |                   | OME logs                  |
|   |                   | Lifecycle Controller Logs |
|  <b>NOTE: Lifecycle Controller Logs are available only on devices that you have added in SupportAssist Enterprise by selecting the Device Type as iDRAC.</b> |                   |                           |

# Items reported from servers running Linux

## Data categories

The following are the top-level categories of data that you can view:

- Summary
- System
- Storage
- Software
- Logs

 **NOTE:** If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, System and Storage items will not be available in periodic collections from that device.

## Accessing the Summary items

To access the Summary items:

On the configuration viewer, click **PowerEdge xxx** → **Summary**.

## Summary items

### Summary

**Table 33. Summary attributes**

| Category            | Attribute name                  |
|---------------------|---------------------------------|
| Collection Settings | Options                         |
|                     | Identification Shared With Dell |
|                     | Mode                            |
|                     | Source                          |
| Error Summary       | Name                            |
|                     | Location                        |
|                     | Status                          |
| Main Chassis        | Server Model                    |
|                     | Server Service Tag              |
|                     | Express Service Code            |
|                     | Chassis Lock                    |
|                     | Server Asset Tag                |

| Category         | Attribute name                               |
|------------------|--|
| System           | Host Name                                    |
|                  | System Location                              |
| Processor        | Manufacturer                                 |
|                  | Family                                       |
|                  | Version                                      |
|                  | Current Speed                                |
|                  | Maximum Speed                                |
|                  | External Clock Speed                         |
|                  | Voltage                                      |
| Memory           | Total Installed Capacity                     |
|                  | Total Maximum Capacity                       |
|                  | Total Installed Capacity Available To The OS |
|                  | Memory Array Count                           |
| Memory Array     | Location                                     |
|                  | Use  |
|                  | Installed Capacity (MB)                      |
|                  | Maximum Capacity (MB)                        |
|                  | Slots Available                              |
|                  | Slots Used                                   |
|                  | ECC Type                                     |
| Operating System | OS Name                                      |
|                  | Version                                      |
|                  | Install Date                                 |
| BIOS             | Manufacturer                                 |
|                  | Version                                      |
|                  | Release Date                                 |
| Network          | Network Interface                            |
|                  | IPv4 Address                                 |
|                  | IPv6 Address                                 |
|                  | Subnet Mask                                  |
|                  | MAC Address                                  |
|                  | Default Gateway                              |
| Controller       | ID   |
|                  | Name   |

| Category | Attribute name                                |
|----------|---|
|          | State   |
|          | Firmware Version                              |
|          | Driver Version                                |
|          | Number of Connectors                          |
|          | Rebuild Rate                                  |
|          | BGI Rate                                      |
|          | Check Consistency Rate                        |
|          | Reconstruct Rate                              |
|          | Abort Check Consistency On Error              |
|          | Allow Revertible Hot Spare And Replace Member |
|          | Load Balance                                  |
|          | Auto Replace Member On Predictive Failure     |
|          | Cache Memory Size (MB)                        |
|          | Patrol Read Mode                              |
|          | Patrol Read State                             |
|          | Patrol Read Iterations                        |
|          | Number of Extenders                           |

## Accessing the System items

To access the System items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **System**.

## System items

 **NOTE:** If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, System data will not be available in periodic collections from that device.

## Main Chassis

Table 34. Main Chassis

| Category     | Sub category | Attribute name                   |
|--------------|--------------|----------------------------------|
| Main Chassis |              | Chassis Lock                     |
|              |              | Chassis Name                     |
|              |              | Device System Id                 |
|              |              | Express Service Code             |
|              |              | Flash Chassis Identify LED State |

| Category | Sub category                  | Attribute name                           |                              |
|----------|-------------------------------|--|------------------------------|
|          |                               | Flash Chassis Identify LED Timeout value |                              |
|          |                               | Fault LED Flash On Severity Level        |                              |
|          |                               | Host Name                                |                              |
|          |                               | System Location                          |                              |
|          |                               | Index                                    |                              |
|          |                               | Server Asset Tag                         |                              |
|          |                               | Server Model                             |                              |
|          |                               | Server Module Location                   |                              |
|          |                               | Server Service Tag                       |                              |
|          |                               | System Revision                          |                              |
|          |                               | System Revision Name                     |                              |
|          |                               | Additional Information                   | DRAC or iDRAC Version        |
|          |                               |  | Lifecycle Controller Version |
|          | Modular Enclosure Information | Product                                  |                              |
|          |                               | Description                              |                              |
|          |                               | Version                                  |                              |
|          |                               | IP Address                               |                              |
|          |                               | Chassis Service Tag                      |                              |
|          |                               | Model                                    |                              |
|          |                               | IP Address Type                          |                              |
|          |                               | IP Address Source                        |                              |
|          | Express Service Code          |  |                              |

## Hardware Log

**Table 35. Hardware Log**

| Category     | Sub category | Attribute name |
|--------------|--------------|----------------|
| Hardware Log |              | Description    |
|              |              | Date And Time  |
|              |              | Severity       |
|              |              | Raw SEL Data   |

# BIOS

Table 36. BIOS

| Category | Sub category         | Attribute name                   |
|----------|----------------------|----------------------------------|
| BIOS     |                      | Manufacturer                     |
|          |                      | Version                          |
|          |                      | Release Date                     |
|          | System Security      | Intel(R) AES-NI                  |
|          |                      | System Password                  |
|          |                      | Setup Password                   |
|          |                      | Password Status                  |
|          |                      | TPM Security                     |
|          |                      | TPM Information                  |
|          |                      | TPM Status                       |
|          |                      | TPM Command                      |
|          |                      | Intel(R) TXT                     |
|          |                      | AC Power Recovery                |
|          |                      | AC Power Recovery Delay          |
|          |                      | User Defined Delay (60s to 240s) |
|          |                      | UEFI Variable Access             |
|          |                      | Secure Boot                      |
|          |                      | Secure Boot Policy               |
|          | Serial Communication | External Serial Connector        |
|          |                      | Serial Port Address              |
|          |                      | Remote Terminal Type             |
|          |                      | Redirection After Boot           |
|          |                      | Failsafe Baud Rate               |
|          |                      | Serial Communication             |
|          | SATA Setting         | Embedded SATA                    |
|          |                      | Security Freeze Lock             |
|          |                      | Write Cache                      |
|          |                      | Port <number>                    |
|          |                      | Model                            |
|          |                      | Drive Type                       |
| Capacity |                      |                                  |

| Category                   | Sub category           | Attribute name                                    |
|----------------------------|------------------------|---|
|                            | Processor Setting      | Logical Processor                                 |
|                            |                        | QPI Speed   |
|                            |                        | Alternate RTID (Requestor Transaction ID) Setting |
|                            |                        | Virtualization Technology                         |
|                            |                        | Address Translation Service (ATS)                 |
|                            |                        | Adjacent Cache Line Prefetch                      |
|                            |                        | Hardware Prefetcher                               |
|                            |                        | DCU Streamer Prefetcher                           |
|                            |                        | DCU IP Prefetcher                                 |
|                            |                        | Execute Disable                                   |
|                            |                        | Logical Processor Idling                          |
|                            |                        | Configurable TDP                                  |
|                            |                        | X2Apic Mode                                       |
|                            |                        | Dell Controlled Turbo                             |
|                            |                        | Number of Cores per Processor                     |
|                            |                        | Processor 64-bit Support                          |
|                            |                        | Processor Core Speed                              |
|                            |                        | Processor Bus Speed                               |
|                            |                        | Brand   |
|                            |                        | Level <level_number> Cache                        |
|                            |                        | Number of Cores                                   |
|                            |                        | Family-Model-Stepping                             |
|                            | Memory Setting         | System Memory Size                                |
|                            |                        | System Memory Type                                |
|                            |                        | System Memory Speed                               |
|                            |                        | System Memory Voltage                             |
|                            |                        | Video Memory                                      |
|                            |                        | System Memory Testing                             |
| Memory Operating Mode      |                        |   |
| Node Interleaving          |                        |   |
| Snoop Mode                 |                        |   |
| Correctable Memory ECC SMI |                        |   |
| System Profile Setting     | Energy Efficient Turbo |   |



| Category | Sub category                 | Attribute name   |
|----------|------------------------------|--|
|          |                              | Memory Frequency   |
|          |                              | System Profile   |
|          |                              | CPU Power Management                                       |
|          |                              | Memory Patrol Scrub  |
|          |                              | Uncore Frequency   |
|          |                              | Memory Refresh Rate  |
|          |                              | Energy Efficient Policy                                    |
|          |                              | Number of Turbo Boost Enabled Cores for Processor <number> |
|          |                              | Turbo Boost  |
|          |                              | C States   |
|          |                              | C1E  |
|          |                              | Collaboration CPU Performance Control                      |
|          |                              | Monitor/Mwait  |
|          |                              | Miscellaneous Setting                                      |
|          | Keyboard NumLock             |  |
|          | F1/F2 Prompt on Error        |  |
|          | Load Legacy Video Option ROM |  |
|          | In-System Characterization   |  |
|          | System Information           | System Model Name  |
|          |                              | System BIOS Version  |
|          |                              | System Management Engine Version                           |
|          |                              | System Service Tag   |
|          |                              | System Manufacturer  |
|          |                              | System Manufacturer Contact Information                    |
|          |                              | System CPLD Version  |
|          |                              | UEFI Compliance Version                                    |
|          | Integrated Device            | USB 3.0 Settings   |
|          |                              | User Accessible USB Ports                                  |
|          |                              | Internal USB Port  |
|          |                              | Embedded NIC1 and NIC2                                     |
|          |                              | I/OAT DMA Engine   |
|          |                              | OS Watchdog Timer  |

| Category | Sub category        | Attribute name                             |
|----------|---------------------|--|
|          |                     | Embedded Video Controller                  |
|          |                     | Current State of Embedded Video Controller |
|          |                     | SR-IOV Global Enable                       |
|          |                     | Memory Mapped I/O above 4GB                |
|          | Slot Disablement    | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          |                     | Slot Number                                |
|          | Boot Option Setting | Hard-Disk Drive Sequence                   |
|          |                     | Boot Sequence                              |
|          | Boot Setting        | Hard-Disk Failover                         |
|          |                     | Boot Mode                                  |
|          |                     | Boot Sequence Retry                        |
|          | UEFI Boot Setting   | UEFI Boot Sequence                         |
|          |                     | UEFI PXE boot protocol                     |
|          | One Time Boot       | One-Time Boot Device List                  |
|          |                     | BIOS Boot Sequence Device                  |
|          |                     | BIOS Hard-Disk Drive Sequence Device       |
|          |                     | UEFI Boot Sequence Device                  |

## Battery

Table 37. Battery

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Battery  |              | Probe Name     |
|          |              | Reading (Amp)  |
|          |              | Status         |

# Processor(s)

Table 38. Processor(s)

| Category                     | Sub category                 | Attribute name       |
|------------------------------|------------------------------|----------------------|
| Processor(s)                 |                              | Connector Name       |
|                              |                              | Manufacturer         |
|                              |                              | Family               |
|                              |                              | Processor Brand      |
|                              |                              | Version              |
|                              |                              | Core Count           |
|                              |                              | Current Speed        |
|                              |                              | Maximum Speed        |
|                              |                              | External Clock Speed |
|                              |                              | Voltage              |
|                              |                              | State                |
|                              |                              | Status               |
|                              |                              | Occupied             |
|                              |                              | CPU Detail           |
|                              | Cache2 Maximum Size          |                      |
|                              | Cache3 Maximum Size          |                      |
|                              | Cache1 Size                  |                      |
|                              | Cache1 Write Policy          |                      |
|                              | Cache1 Associativity         |                      |
|                              | Cache1 Error Correction Type |                      |
|                              | Cache1 Location              |                      |
|                              | Cache1 Type                  |                      |
|                              | Cache1 Level                 |                      |
|                              | Cache1 Status                |                      |
|                              | Cache2 Size                  |                      |
| Cache2 Write Policy          |                              |                      |
| Cache2 Associativity         |                              |                      |
| Cache2 Error Correction Type |                              |                      |
| Cache2 Location              |                              |                      |
| Cache2 Type                  |                              |                      |
| Cache2 Level                 |                              |                      |

| Category | Sub category                                       | Attribute name               |
|----------|--|------------------------------|
|          |  | Cache2 Status                |
|          |  | Cache3 Size                  |
|          |  | Cache3 Write Policy          |
|          |  | Cache3 Associativity         |
|          |  | Cache3 Error Correction Type |
|          |  | Cache3 Location              |
|          |  | Cache3 Type                  |
|          |  | Cache3 Level                 |
|          |  | Cache3 Status                |
|          | Processor(s) > CPU Detail > Support 64bit          | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |
|          | Processor(s) > CPU Detail > HyperThreading         | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |
|          | Processor(s) > CPU Detail > Virtualization         | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |
|          | Processor(s) > CPU Detail > Demand Based Switching | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |
|          | Processor(s) > CPU Detail > No Execute             | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |
|          | Processor(s) > CPU Detail > Turbo Mode             | Technology                   |
|          |  | Capable                      |
|          |  | Enabled                      |

## Fan

Table 39. Fan

| Category | Sub category | Attribute name            |
|----------|--------------|---------------------------|
| Fan      |              | Probe Name                |
|          |              | Reading (Amp)             |
|          |              | Minimum Warning Threshold |

| Category | Sub category | Attribute name            |
|----------|--------------|---------------------------|
|          |              | Maximum Warning Threshold |
|          |              | Minimum Failure Threshold |
|          |              | Maximum Failure Threshold |
|          |              | Status                    |

## Fan Redundancy

Table 40. Fan Redundancy

| Category       | Sub category | Attribute name    |
|----------------|--------------|-------------------|
| Fan Redundancy |              | Redundancy Status |

## Firmware

Table 41. Firmware

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Firmware |              | Name           |
|          |              | Version        |

## Component Detail

Table 42. Component Detail

| Category         | Sub category | Attribute name         |
|------------------|--------------|------------------------|
| Component Detail |              | Component ID           |
|                  |              | Description            |
|                  |              | Component Type         |
|                  |              | Software Version       |
|                  |              | Hardware Device ID     |
|                  |              | Hardware Vendor ID     |
|                  |              | Hardware Sub-Device ID |
|                  |              | Hardware Sub-Vendor ID |

## Front Panel

Table 43. Front Panel

| Category    | Sub category    | Attribute name                  |
|-------------|-----------------|---------------------------------|
| Front Panel |                 | Power Button                    |
|             |                 | NMI Button                      |
|             | LCD Information | Front Panel LCD Security Access |
|             |                 | Enable Remote Indication        |

| Category | Sub category         | Attribute name |
|----------|----------------------|----------------|
|          | LCD Line Information | LCD Line 1     |
|          |                      | Service Tag    |

## FRU

Table 44. FRU

| Category | Sub category | Attribute name    |
|----------|--------------|-------------------|
| FRU      |              | Device            |
|          |              | Serial Number     |
|          |              | Part Number       |
|          |              | Revision          |
|          |              | Manufacturer      |
|          |              | Manufactured Date |

## Intrusion

Table 45. Intrusion

| Category  | Sub category | Attribute name |
|-----------|--------------|----------------|
| Intrusion |              | Probe Name     |
|           |              | State          |
|           |              | Status         |

## Memory Array

Table 46. Memory Array

| Category     | Sub category | Attribute name                               |
|--------------|--------------|--|
| Memory Array |              | Location                                     |
|              |              | Use  |
|              |              | Installed Capacity (MB)                      |
|              |              | Maximum Capacity (MB)                        |
|              |              | Slots Available                              |
|              |              | Slots Used                                   |
|              |              | ECC Type                                     |
|              |              | Total Installed Capacity                     |
|              |              | Total Installed Capacity Available To The OS |
|              |              | Total Maximum Capacity                       |
|              | Memory       | Device Name                                  |

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
|          |              | Size           |
|          |              | Speed          |
|          |              | Rank           |
|          |              | Failures       |
|          |              | Status         |
|          |              | Type           |
|          |              | Type Detail    |

## Network(s)

Table 47. Network(s)

| Category   | Sub category | Attribute name            |
|------------|--------------|---------------------------|
| Network(s) |              | Interface Name            |
|            |              | Link Status               |
|            |              | Duplex                    |
|            |              | IRQ                       |
|            |              | DMA                       |
|            |              | Base IO Address           |
|            |              | Base Memory Address       |
|            |              | Description               |
|            |              | Vendor                    |
|            |              | Slot Name                 |
|            |              | Driver Name               |
|            |              | Driver Version            |
|            |              | Driver Image Path         |
|            |              | Current MAC Address       |
|            |              | Team Name                 |
|            |              | Firmware Version          |
|            |              | Maximum Transmission Unit |
|            |              | Speed                     |
|            |              | Default Gateway           |
|            |              | Received Good Frames      |
|            |              | Received Bad Frames       |
|            |              | Received Alignment Errors |
|            |              | Received FCS Errors       |

| Category | Sub category | Attribute name                               |
|----------|--------------|--|
|          |              | Received Frames Too Long                     |
|          |              | Received Bytes                               |
|          |              | Received Total Packets                       |
|          |              | Received Unicast Packets                     |
|          |              | Received Multicast Packets                   |
|          |              | Received Broadcast Packets                   |
|          |              | Received Discarded Packets                   |
|          |              | Received Error Packets                       |
|          |              | Transmitted Bytes                            |
|          |              | Transmitted Total Packets                    |
|          |              | Transmitted Unicast Packets                  |
|          |              | Transmitted Multicast Packets                |
|          |              | Transmitted Broadcast Packets                |
|          |              | Transmitted Discarded Packets                |
|          |              | Transmitted Error Packets                    |
|          |              | Transmitted Collisions                       |
|          |              | Transmitted Single Collision Frames          |
|          |              | Transmitted Multiple Collision Frames        |
|          |              | Transmitted Deferred Transmits               |
|          |              | Transmitted Late Collisions                  |
|          |              | Transmitted Excessive Collisions             |
|          |              | Transmitted Carrier Sense Errors             |
|          |              | Transmitted Internal MAC Transmission Errors |
|          |              | Received Internal MAC Receiving Errors       |
|          |              | Administrative Status                        |
|          |              | Operational Status                           |
|          |              | Type   |
|          |              | Connection Status                            |
|          |              | DHCP Server                                  |
|          |              | Default IPv6 Gateway                         |
|          |              | DHCPv6 Server                                |
|          |              | Interface Description                        |
|          |              | Transmitted Good Frames                      |



| Category               | Sub category              | Attribute name             |
|------------------------|---------------------------|----------------------------|
|                        |                           | Transmitted Bad Frames     |
|                        |                           | Received Unknown Protocols |
|                        |                           | Transmitted Queue Length   |
|                        |                           | TOE Enabled                |
|                        |                           | NparEP Enabled             |
|                        |                           | TOE Capable                |
|                        | IPv4 Addresses            | Description                |
|                        |                           | IPv4 Address               |
|                        |                           | Subnet Mask                |
|                        | IPv6 Addresses            | Description                |
|                        |                           | Prefix Length              |
|                        |                           | IPv6 Address               |
|                        |                           | IPv6 Address Name          |
|                        |                           | Name                       |
|                        | Network Team Interface(s) | Link Status                |
|                        |                           | Interface Name             |
|                        |                           | Description                |
|                        |                           | Vendor                     |
|                        |                           | Slot Name                  |
|                        |                           | Driver Name                |
|                        |                           | Driver Version             |
|                        |                           | Driver Image Path          |
|                        |                           | Current MAC Address        |
|                        |                           | Team Name                  |
|                        |                           | Maximum Transmission Unit  |
|                        |                           | Speed                      |
|                        |                           | Default Gateway            |
|                        |                           | Received Good Frames       |
|                        |                           | Received Bad Frames        |
|                        |                           | Received Alignment Errors  |
|                        |                           | Received FCS Errors        |
|                        |                           | Received Frames Too Long   |
| Received Bytes         |                           |                            |
| Received Total Packets |                           |                            |

| Category | Sub category | Attribute name                                  |
|----------|--------------|---|
|          |              | Received Unicast Packets                        |
|          |              | Received Multicast Packets                      |
|          |              | Received Broadcast Packets                      |
|          |              | Received Discarded Packets                      |
|          |              | Received Error Packets                          |
|          |              | Transmitted Bytes                               |
|          |              | Transmitted Total Packets                       |
|          |              | Transmitted Unicast Packets                     |
|          |              | Transmitted Multicast Packets                   |
|          |              | Transmitted Broadcast Packets                   |
|          |              | Transmitted Discarded Packets                   |
|          |              | Transmitted Error Packets                       |
|          |              | Team Interface Transmitted Collisions           |
|          |              | Transmitted Single Collision Frames             |
|          |              | Transmitted Multiple Collision Frames           |
|          |              | Transmitted Deferred Transmits                  |
|          |              | Transmitted Late Collisions                     |
|          |              | Transmitted Excessive Collisions                |
|          |              | Team Interface Transmitted Carrier Sense Errors |
|          |              | Transmitted Internal MAC Transmission Errors    |
|          |              | Received Internal MAC Receiving Errors          |
|          |              | IPv4 Address                                    |
|          |              | Subnet Mask                                     |
|          |              | IPv6 Address                                    |
|          |              | Prefix Length                                   |
|          |              | IPv6 Address Name                               |
|          |              | Administrative Status                           |
|          |              | Operational Status                              |
|          |              | Type  |
|          |              | Connection Status                               |
|          |              | Team Type                                       |
|          |              | DHCP Server                                     |

| Category | Sub category | Attribute name             |
|----------|--------------|----------------------------|
|          |              | Default IPv6 Gateway       |
|          |              | DHCPv6 Server              |
|          |              | Interface Description      |
|          |              | Transmitted Good Frames    |
|          |              | Transmitted Bad Frames     |
|          |              | Received Unknown Protocols |
|          |              | Transmitted Queue Length   |
|          |              | Redundancy Status          |

## Port

Table 48. Port

| Category | Sub category | Attribute name |
|----------|--------------|----------------|
| Port     |              | External Name  |
|          |              | Base I/O Addr  |
|          |              | IRQ Level      |
|          |              | Maximum Speed  |
|          |              | Connector Type |
|          |              | Port Type      |

## Power Supply

Table 49. Power Supply

| Category     | Sub category | Attribute name           |
|--------------|--------------|--------------------------|
| Power Supply |              | Location                 |
|              |              | Power Monitoring Capable |
|              |              | Rated Input Wattage      |
|              |              | Maximum Output Wattage   |
|              |              | Firmware Version         |
|              |              | Online Status            |
|              |              | Status                   |
|              |              | Type                     |

## Power Supply Redundancy

Table 50. Power Supply Redundancy

| Category                | Sub category | Attribute name    |
|-------------------------|--------------|-------------------|
| Power Supply Redundancy |              | Redundancy Status |

## Remote Access Device

Table 51. Remote Access Device

| Category             | Sub category                                     | Attribute name                     |
|----------------------|--|------------------------------------|
| Remote Access Device |  | IPMI Version                       |
|                      |  | System GUID                        |
|                      |  | MAC Address                        |
|                      |  | IPv4 Address                       |
|                      |  | IPv4 Subnet                        |
|                      |  | IPv4 Gateway                       |
|                      |  | VLAN ID                            |
|                      |  | Priority                           |
|                      |  | SOL Enabled                        |
|                      |  | Device Type                        |
|                      |  | Number Of Current Active Sessions  |
|                      |  | Enable IPMI Over LAN               |
|                      |  | Number Of Possible Active Sessions |
|                      |  | Enable VLAN ID                     |
|                      |  | IPv4 Address Source                |
|                      | Remote Access Device > NIC Configuration         | Channel Number                     |
|                      |  | Primary Network                    |
|                      |  | Failover Network                   |
|                      | Remote Access Device > Serial Port Configuration | Channel Number                     |
|                      |  | Connection Mode Setting            |
|                      |  | Baud Rate                          |
|                      |  | Flow Control                       |
|                      |  | Channel Privilege Level Limit      |
|                      |  | Serial Port Configuration          |
|                      |  | Line Editing                       |
|                      |  | Delete Control                     |
|                      |  | Echo Control                       |
|                      |  | Handshaking Control                |
|                      |  | New Line Sequence                  |
|                      |  | Input New Line Sequence            |

| Category | Sub category   | Attribute name                |
|----------|--|-------------------------------|
|          | Remote Access Device > Serial Over LAN Configuration | Channel Number                |
|          |  | Baud Rate                     |
|          |  | Minimum privileges required   |
|          |  | Serial Over LAN Configuration |
|          |  | Retry Count                   |
|          |  | Retry Interval                |
|          |  | Character Accumulate Interval |
|          |  | Character Send Threshold      |
|          | Remote Access Device > User Setting > User           | Product                       |
|          |  | Description                   |
|          |  | Version                       |
|          |  | IP Address                    |
|          |  | IP Subnet                     |
|          |  | IP Gateway                    |
|          | Remote Access Device > User                          | User ID                       |
|          |  | State                         |
|          |  | User Name                     |
|          |  | LAN User Privilege            |
|          |  | Serial Over LAN Payload       |
|          |  | Serial Port User Privilege    |
|          |  | DRAC User Privilege           |

## Removable Flash Media

Table 52. Removable Flash Media

| Category              | Sub category | Attribute name      |
|-----------------------|--------------|---------------------|
| Removable Flash Media |              | Type                |
|                       |              | Connector Name      |
|                       |              | Available Size (MB) |
|                       |              | State               |
|                       |              | Storage Size (MB)   |

## Slot

**Table 53. Slot**

| Category            | Sub category | Attribute name                           |
|---------------------|--------------|--|
| Slot                |              | ID                                       |
|                     |              | Slot ID                                  |
|                     |              | Type                                     |
|                     |              | Slot Length Adapter                      |
|                     |              | Speed Data Bus Width                     |
|                     |              | Category                                 |
|                     |              | Hot Plug Capable                         |
|                     |              | Voltage Supply                           |
|                     |              | Shared Slot                              |
|                     |              | Card Bus                                 |
|                     |              | Modem Ring Resume                        |
|                     |              | Zoom Video                               |
|                     |              | PC Card-16                               |
|                     |              | Power Management Enable (PME#)<br>Signal |
|                     |              | Adapter Data Bus Width                   |
|                     |              | Adapter Manufacturer                     |
| Adapter Description |              |  |

## Temperature

**Table 54. Temperature**

| Category    | Sub category | Attribute name            |
|-------------|--------------|---------------------------|
| Temperature |              | Probe Name                |
|             |              | Reading (Amp)             |
|             |              | Minimum Failure Threshold |
|             |              | Minimum Warning Threshold |
|             |              | Maximum Failure Threshold |
|             |              | Maximum Warning Threshold |
|             |              | Status                    |

## Voltage

Table 55. Voltage

| Category | Sub category | Attribute name            |
|----------|--------------|---------------------------|
| Voltage  |              | Status                    |
|          |              | Probe Name                |
|          |              | Reading                   |
|          |              | Minimum Warning Threshold |
|          |              | Maximum Warning Threshold |
|          |              | Minimum Failure Threshold |
|          |              | Maximum Failure Threshold |

## Auto Recovery

Table 56. Auto Recovery

| Category      | Sub category | Attribute name                  |
|---------------|--------------|---------------------------------|
| Auto Recovery |              | Action on hung Operating System |
|               |              | System Reset Timer              |

## Hardware Performance

Table 57. Hardware Performance

| Category             | Sub category | Attribute name |
|----------------------|--------------|----------------|
| Hardware Performance |              | Probe Name     |
|                      |              | Status         |
|                      |              | Cause          |

## Power Management

Table 58. Power Management

| Category         | Sub category   | Attribute name                 |
|------------------|----------------|--------------------------------|
| Power Management |                | Status                         |
|                  |                | Probe Name                     |
|                  |                | Reading (Amp)                  |
|                  |                | Warning Threshold              |
|                  |                | Failure Threshold              |
|                  | Amperage       | Location                       |
|                  |                | Reading (Amp)                  |
|                  | Power Headroom | System Instantaneous Head Room |

| Category | Sub category              | Attribute name                    |
|----------|---------------------------|-----------------------------------|
|          | Power Tracking Statistics | System Peak Head Room             |
|          |                           | Statistic(* Energy Consumption)   |
|          |                           | Statistic(* System Peak Power)    |
|          |                           | Statistic(* System Peak Amperage) |
|          |                           | Measurement Start Time            |
|          |                           | Measurement Finish Time           |
|          |                           | Reading (Amp)                     |
|          |                           | Peak Time                         |
|          | Power Inventory           | System Idle Power                 |
|          |                           | System Maximum Potential Power    |
|          | Power Budget              | Enable Power Capping              |
|          |                           | Power Capping                     |

## Accessing the Storage items

To access the Storage items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Storage**.

## Storage items

 **NOTE:** If a device that you have added in SupportAssist Enterprise by selecting the Device Type as Server / Hypervisor does not have Dell OpenManage Server Administrator (OMSA) installed, Storage items will not be available in periodic collections from that device.

## Controller(s)

Table 59. Controller(s)

| Category      | Sub category | Attribute name          |
|---------------|--------------|-------------------------|
| Controller(s) |              | ID                      |
|               |              | Name                    |
|               |              | Firmware Version        |
|               |              | Driver Version          |
|               |              | Storport Driver Version |
|               |              | Number Of Connectors    |
|               |              | Rebuild Rate            |
|               |              | BGI Rate                |
|               |              | Reconstruct Rate        |
|               |              | Check Consistency Rate  |



| Category | Sub category        | Attribute name                                |                 |
|----------|---------------------|---|-----------------|
|          |                     | Cache Memory Size (MB)                        |                 |
|          |                     | Patrol Read Rate                              |                 |
|          |                     | Patrol Read Iterations                        |                 |
|          |                     | State   |                 |
|          |                     | Slot ID                                       |                 |
|          |                     | Abort Check Consistency On Error              |                 |
|          |                     | Allow Revertible Hot Spare And Replace Member |                 |
|          |                     | Load Balance                                  |                 |
|          |                     | Auto Replace Member On Predictive Failure     |                 |
|          |                     | Persistent Hot Spare                          |                 |
|          |                     | CacheCade Capable                             |                 |
|          |                     | Encryption Capable                            |                 |
|          |                     | Encryption Key Present                        |                 |
|          |                     | Spin Down Unconfigured Drives                 |                 |
|          |                     | Spin Down Hot Spares                          |                 |
|          |                     | Spin Down Configured Drives                   |                 |
|          |                     | Automatic Disk Power Saving (IdleC)           |                 |
|          |                     | Patrol Read Mode                              |                 |
|          |                     | Time Interval For Spin Down (Minutes)         |                 |
|          |                     | Alarm State                                   |                 |
|          |                     | T10 Protection Information Capable            |                 |
|          |                     | Patrol Read State                             |                 |
|          |                     | Encryption Mode                               |                 |
|          |                     | Status  |                 |
|          |                     | Controller Battery                            | Slot Number     |
|          |                     |   | Status          |
|          |                     |   | State           |
|          |                     |   | Next Learn Time |
|          |                     | Recharge Count                                |                 |
|          |                     | Maximum Recharge Count                        |                 |
|          | Maximum Learn Delay |   |                 |
|          | Name                |   |                 |

| Category                         | Sub category                              | Attribute name            |
|----------------------------------|---|---------------------------|
|                                  |   | Learn State               |
|                                  |   | Learn Mode                |
|                                  |   | Predicted Capacity Status |
|                                  | Connector(s)                              | Name                      |
|                                  |   | State                     |
|                                  |   | Connector Type            |
|                                  |   | Status                    |
|                                  | Connector(s) > Enclosure(s)               | ID                        |
|                                  |   | Name                      |
|                                  |   | State                     |
|                                  |   | Connector                 |
|                                  |   | Firmware Version          |
|                                  |   | Service Tag               |
|                                  |   | Asset Tag                 |
|                                  |   | Asset Name                |
|                                  |   | Target ID                 |
|                                  |   | Split Bus Part Number     |
|                                  |   | Express Service Code      |
|                                  |   | SAS Address               |
|                                  |   | Enclosure Alarm           |
|                                  |   | Configuration             |
|                                  | Status                                    |                           |
|                                  | Connector(s) > Enclosure(s) > Array Disks | Status                    |
|                                  |   | Connector                 |
|                                  |   | Serial Number             |
|                                  |   | Name                      |
|                                  |   | State                     |
|                                  |   | Power Status              |
|                                  |   | Bus Protocol              |
|                                  |   | Failure Predicted         |
| Media Type                       |   |                           |
| Revision                         |   |                           |
| T10 PI (Protection Info) Capable |   |                           |
| Certified                        |   |                           |

| Category                                    | Sub category   | Attribute name               |
|---|--|------------------------------|
|   |  | Encrypted                    |
|   |  | Encryption Capable           |
|   |  | Capacity                     |
|   |  | Used RAID Disk Space (Bytes) |
|   |  | Available RAID Disk Space    |
|   |  | Hot Spare                    |
|   |  | Mirror Set ID                |
|   |  | Progress                     |
|   |  | Model Number                 |
|   |  | Vendor                       |
|   |  | Part Number                  |
|   |  | Maximum Capable Speed        |
|   |  | SAS Address                  |
|   |  | Negotiated Speed             |
|   |  | Product ID                   |
|   |  | Manufactured Year            |
|   |  | Manufactured Week            |
|   |  | Manufactured Day             |
|   |  | Sector Size                  |
|   |  | Device Name                  |
|   | Connector(s) > Enclosure(s) > Enclosure EMM          | Status                       |
|   |  | Firmware Version             |
|   |  | Part Number                  |
|   |  | Name                         |
|   |  | State                        |
|   | Connector(s) > Enclosure(s) > Enclosure Power Supply | Status                       |
|   |  | Firmware Version             |
|   |  | Part Number                  |
| Name  |  |                              |
| State                                       |  |                              |
| Connector(s) > Enclosure(s) > Enclosure Fan | Status   |                              |
|   | Name   |                              |
|   | State  |                              |
|   | Speed  |                              |

| Category                     | Sub category                                  | Attribute name |
|------------------------------|---|----------------|
|                              |   | Part Number    |
|                              | Controller(s) > Virtual Disk(s)               | Name           |
|                              | Encrypted                                     |                |
|                              | Progress                                      |                |
|                              | T10 Protection Information Capable            |                |
|                              | Size  |                |
|                              | Layout  |                |
|                              | State   |                |
|                              | Status  |                |
|                              | Device Name                                   |                |
|                              | Bus Protocol                                  |                |
|                              | Media Type                                    |                |
|                              | Cache Policy                                  |                |
|                              | Disk Cache Policy                             |                |
|                              | Read Policy                                   |                |
|                              | Stripe Element Size                           |                |
|                              | Write Policy                                  |                |
|                              | Hot Spare Policy violated                     |                |
|                              | Controller(s) > Virtual Disk(s) > Array Disks | Connector      |
|                              | Status  |                |
|                              | Serial Number                                 |                |
|                              | Name  |                |
|                              | State   |                |
|                              | Power Status                                  |                |
|                              | Bus Protocol                                  |                |
|                              | Failure Predicted                             |                |
|                              | Media Type                                    |                |
|                              | Revision                                      |                |
|                              | T10 PI (Protection Info) Capable              |                |
|                              | Certified                                     |                |
| Encrypted                    |   |                |
| Encryption Capable           |   |                |
| Capacity                     |   |                |
| Used RAID Disk Space (Bytes) |   |                |

| Category | Sub category  | Attribute name            |
|----------|---|---------------------------|
|          |   | Available RAID Disk Space |
|          |   | Hot Spare                 |
|          |   | Progress                  |
|          |   | Mirror Set ID             |
|          |   | Model Number              |
|          |   | Vendor                    |
|          |   | Part Number               |
|          |   | Maximum Capable Speed     |
|          |   | SAS Address               |
|          |   | Negotiated Speed          |
|          |   | Product ID                |
|          |   | Manufactured Year         |
|          |   | Manufactured Week         |
|          |   | Manufactured Day          |
|          |   | Sector Size               |
|          |   | Device Name               |
|          | Connector(s) > Tape device > Tape Drive Characteristics | Name                      |
|          |   | Status                    |
|          |   | Firmware                  |
|          |   | Device Descriptor         |
|          |   | Device Location           |
|          |   | Parent Location           |
|          |   | Manufacturer              |
|          |   | Serial Number             |
|          |   | Model Number              |
|          |   | Asset Tag                 |
|          |   | POWER_ON                  |
|          |   | NUMBER_OF_DRIVE_CLEAN     |
|          |   | DRIVE_LOADS               |
|          |   | PICO                      |
| TLSC     |   |                           |
| LMTP     |   |                           |
| IMLLMMH  |   |                           |
| POHFREE  |   |                           |

| Category                   | Sub category                                   | Attribute name                  |
|----------------------------|--|---------------------------------|
|                            |  | TTLSC                           |
|                            |  | OTCO                            |
|                            |  | MMH                             |
|                            |  | TSLSC                           |
|                            | PCIe-SSD                                       | ID                              |
|                            |  | Name                            |
|                            |  | State                           |
|                            |  | Number of Extenders             |
|                            | PCIe-SSD Extender(s)                           | Status                          |
|                            |  | Name                            |
|                            |  | State                           |
|                            | PCIe-SSD Extender(s) > Enclosure               | Name                            |
|                            |  | Firmware Version                |
|                            |  | Asset Name                      |
|                            |  | State                           |
|                            |  | PCIe SSD Extender               |
|                            |  | ID                              |
|                            | PCIe-SSD Extender(s) > Enclosure > Array Disks | Status                          |
|                            |  | Serial Number                   |
|                            |  | Name                            |
|                            |  | State                           |
|                            |  | Bus Protocol                    |
|                            |  | Media Type                      |
|                            |  | Revision                        |
|                            |  | Capacity                        |
|                            |  | Model Number                    |
|                            |  | Remaining Rated Write Endurance |
| Vendor                     |  |                                 |
| Maximum Capable Speed      |  |                                 |
| Negotiated Speed           |  |                                 |
| Product ID                 |  |                                 |
| PCIe Maximum Link Width    |  |                                 |
| PCIe Negotiated Link Width |  |                                 |
| Device Name                |  |                                 |

| Category | Sub category | Attribute name  |
|----------|--------------|-----------------|
|          |              | Device Protocol |
|          |              | Driver Version  |

## SATA Controller(s)

Table 60. SATA Controller(s)

| Category           | Sub category   | Attribute name    |
|--------------------|----------------|-------------------|
| SATA Controller(s) |                | Name              |
|                    |                | Firmware Version  |
|                    |                | Description       |
|                    |                | Device Location   |
|                    |                | Parent Location   |
|                    |                | Manufacturer      |
|                    |                | Serial Number     |
|                    |                | Model Number      |
|                    |                | Device Descriptor |
|                    |                | Asset Tag         |
|                    |                | Status            |
|                    | Channel(s)     | Name              |
|                    |                | Device Location   |
|                    |                | Manufacturer      |
|                    |                | Connector Type    |
|                    |                | Status            |
|                    | Optical Device | Name              |
|                    |                | Status            |
|                    |                | Firmware Version  |
|                    |                | Device Descriptor |
|                    |                | Description       |
|                    |                | Device Location   |
|                    |                | Parent Location   |
|                    |                | Manufacturer      |
|                    |                | Serial Number     |
|                    |                | Model Number      |
|                    |                | Asset Tag         |

## Fibre Channel Controller(s)

Table 61. Fibre Channel Controller(s)

| Category                    | Sub category           | Attribute name       |
|-----------------------------|------------------------|----------------------|
| Fibre Channel Controller(s) |                        | Name                 |
|                             |                        | Host WWN             |
|                             |                        | Vendor Name          |
|                             |                        | Model                |
|                             |                        | Firmware Version     |
|                             |                        | Driver version       |
|                             |                        | Serial Number        |
|                             |                        | Vendor Code          |
|                             |                        | Type                 |
|                             | Fibre Channel HBA port | Port Number          |
|                             |                        | Port WWN             |
|                             |                        | Port OS Name         |
|                             |                        | Port Type            |
|                             |                        | Port Speed           |
|                             |                        | Port Supported Speed |
|                             |                        | Port State           |
| Port FCID                   |                        |                      |

## Accessing the Software items

To access the Software items:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Software**.

## Software items

### Operating System

Table 62. Operating System

| Category         | Sub category | Attribute name |
|------------------|--------------|----------------|
| Operating System |              | OS Name        |
|                  |              | Version        |
|                  |              | System Name    |
|                  |              | Install Date   |



| Category     | Sub category  | Attribute name        |
|--------------|---|-----------------------|
|              | Component > Software Storage > iSCSI Detail(s) > iSCSI Session(s)                           | Session ID            |
|              |   | Initiator Node Name   |
|              |   | Target Node Name      |
|              |   | Target Name           |
|              |   | ISID                  |
|              |   | TSID                  |
|              |   | Number of Connection  |
|              | Component > Software Storage > iSCSI Detail(s) > iSCSI Session(s) > Session Connection Data | Connection ID         |
|              |   | Initiator Portal      |
|              |   | Target Portal         |
|              |   | CID                   |
|              | Component > Software Storage > iSCSI Detail(s) > iSCSI Session(s) > Session Device Data     | Device Type           |
|              |   | Device Number         |
|              |   | Storage Device Type   |
|              |   | Partition Number      |
|              |   | Friendly Name         |
|              |   | Device Description    |
|              |   | Reported Mappings     |
|              |   | Location              |
|              |   | Initiator Name        |
|              |   | Target Name           |
|              |   | Device Interface Name |
|              |   | Device Instance       |
|              |   | Legacy Device Name    |
|              | Component > Software Storage > iSCSI Detail(s)  | Initiator Version     |
|              |   | Address and Socket    |
|              |   | Symbolic Name         |
|              |   | Initiator Name        |
|              |   | Port Number           |
|              |   | Operating System Name |
| Version      |   |                       |
| Install Date |   |                       |
| System Name  |   |                       |

| Category               | Sub category   | Attribute name     |
|------------------------|--|--------------------|
|                        | Component > Software Storage > iSCSI Detail(s) > Portal Data | Initiator Version  |
|                        |  | Portal Address     |
|                        |  | Portal Port Number |
|                        | Resource > IRQ   | IRQ Number         |
|                        |  | Device             |
|                        |  | Interrupts Per CPU |
|                        |  | Type               |
|                        | Resource > IO Range  | Address Range      |
|                        |  | Device             |
|                        |  | Status             |
|                        | Component > Display(s)                                       | Files              |
|                        |  | ServerFlags        |
|                        |  | Module             |
|                        |  | InputDevice        |
|                        |  | Monitor            |
|                        |  | Modes              |
|                        |  | Screen             |
|                        |  | Device             |
|                        |  | ServerLayout       |
|                        |  | DRI                |
|                        | Component > Network(s) > Network Adapter                     | Adapter Name       |
|                        |  | MAC Address        |
|                        |  | IPv4 Address       |
|                        |  | Broadcast          |
|                        |  | Subnet Mask        |
|                        |  | Default Gateway    |
|                        |  | IPv6 Address       |
| Scope                  |  |                    |
| Status Characteristics |  |                    |
| MTU                    |  |                    |
| Metric                 |  |                    |
| Memory                 |  |                    |
| Interrupt              |  |                    |
| RX Packets             |  |                    |

| Category | Sub category                                | Attribute name   |
|----------|---|------------------|
|          |   | RX Errors        |
|          |   | RX Dropped       |
|          |   | RX Overruns      |
|          |   | RX Frame         |
|          |   | TX Packets       |
|          |   | TX Errors        |
|          |   | TX Dropped       |
|          |   | TX Overruns      |
|          |   | TX Carrier       |
|          |   | Collisions       |
|          |   | Tx Queue Length  |
|          |   | RX bytes         |
|          |   | TX bytes         |
|          |   | int6 IP Address  |
|          |   | int IP Address   |
|          | Component > Network(s) > Network Host       | IP Address       |
|          |   | Host Name        |
|          |   | Value            |
|          | Component > Network(s) > Network DNS Config | Name Server      |
|          |   | Search           |
|          |   | Value            |
|          | Component > Software Storage > Memory Usage | Memory Total     |
|          |   | Memory Free      |
|          |   | Memory Available |
|          |   | Buffers          |
|          |   | Cached           |
|          |   | Memory Shared    |
|          |   | Swap Total       |
|          |   | Swap Cached      |
|          |   | Swap Free        |
|          | Component > Software Storage > Disk Usage   | File System      |
|          |   | Size             |
|          |   | Used             |
|          |   | Available        |

| Category    | Sub category                            | Attribute name     |
|-------------|---|--------------------|
|             |   | Use                |
|             |   | Mounted On         |
|             | Component > Software Storage > Procscsi | Channel            |
|             |   | Host               |
|             |   | ID                 |
|             |   | LUN                |
|             |   | Vendor             |
|             |   | Model              |
|             |   | Rev                |
|             |   | Type               |
|             |   | ANSI SCSI Revision |
|             | Component > Startup > Boot Menu List    | title              |
|             |   | root               |
|             |   | kernel             |
|             |   | module             |
|             |   | hiddenmenu         |
|             |   | default            |
|             |   | timeout            |
|             |   | splashimage        |
|             |   | rootnoverify       |
|             |   | chainloader        |
|             | Component > Startup Boot List           | Rights             |
|             |   | Number             |
|             |   | Owner              |
|             |   | User               |
|             |   | FileDate           |
|             |   | Process            |
|             | Component > Startup > Boot GRUB List    | Inode              |
|             |   | Permissions        |
|             |   | Number of Links    |
| Owner Name  |   |                    |
| Owner Group |   |                    |
| Size        |   |                    |
| Process     |   |                    |

| Category                         | Sub category                           | Attribute name       |
|----------------------------------|--|----------------------|
|                                  |  | Date Of Modification |
|                                  |  | Rights               |
|                                  |  | Number               |
|                                  |  | Owner                |
|                                  |  | User                 |
|                                  |  | FileDate             |
|                                  |  | Process              |
|                                  |  | default=0            |
|                                  |  | Value                |
|                                  | Component > Startup > Boot List        | Inode                |
|                                  |  | Rights               |
|                                  |  | Number               |
|                                  |  | Owner                |
|                                  |  | User                 |
|                                  |  | Size                 |
|                                  |  | File Date            |
|                                  |  | Process              |
|                                  | Component > Startup > Device Map List  | Name                 |
|                                  |  | Value                |
|                                  | Component > Display(s) > Server Layout | Name                 |
|                                  |  | Value                |
|                                  |  | Identifier           |
|                                  |  | Screen               |
|                                  | Component > Display(s) > Files         | Name                 |
|                                  |  | Module Path          |
|                                  |  | Value                |
|                                  |  | Font Path            |
|                                  | Component > Display(s) > Module        | Name                 |
|                                  |  | Value                |
|                                  | Component > Display(s) > Input Device  | Name                 |
|                                  |  | Value                |
|                                  |  | Identifier           |
| Component > Display(s) > Monitor | Name                                   |                      |
|                                  | Identifier                             |                      |

| Category        | Sub category  | Attribute name         |
|-----------------|---|------------------------|
|                 |   | Value                  |
|                 |   | Vendor Name            |
|                 |   | Chassis Model          |
|                 | Component > Display(s) > Device                                     | Name                   |
|                 |   | Identifier             |
|                 |   | Value                  |
|                 |   | Driver                 |
|                 |   | BusID                  |
|                 | Component > USB Controller(s)                                       | Controller Information |
|                 |   | Serial Number          |
|                 | Component > USB Controller(s) > USB Root Hub(s) > USB               | Bus                    |
|                 |   | Device                 |
|                 |   | ID                     |
|                 |   | Device Class           |
|                 |   | Device Sub Class       |
|                 |   | Device Protocol        |
|                 |   | Manufacturer           |
|                 |   | Product                |
|                 |   | Serial                 |
|                 |   | Version                |
|                 | Component > USB Controller(s) > USB Root Hub(s) > USB Detailed info | Bus                    |
|                 |   | Device                 |
|                 |   | bLength                |
|                 |   | bDescriptorType        |
|                 |   | bcdUSB                 |
|                 |   | bDeviceClass           |
|                 |   | bDeviceSubClass        |
| bDeviceProtocol |   |                        |
| bMaxPacketSize0 |   |                        |
| idVendor        |   |                        |
| idProduct       |   |                        |
| bcdDevice       |   |                        |
| iManufacturer   |   |                        |
| iProduct        |   |                        |

| Category | Sub category | Attribute name      |
|----------|--------------|---------------------|
|          |              | iSerial             |
|          |              | bNumConfigurations  |
|          |              | Configuration       |
|          |              | bLength             |
|          |              | bDescriptorType     |
|          |              | wTotalLength        |
|          |              | bNumInterfaces      |
|          |              | bConfigurationValue |
|          |              | iConfiguration      |
|          |              | bmAttributes        |
|          |              | Self                |
|          |              | Remote              |
|          |              | MaxPower            |
|          |              | Interface           |
|          |              | bLength             |
|          |              | bDescriptorType     |
|          |              | bInterfaceNumber    |
|          |              | bAlternateSetting   |
|          |              | bNumEndpoints       |
|          |              | bInterfaceClass     |
|          |              | bInterfaceSubClass  |
|          |              | bInterfaceProtocol  |
|          |              | ilInterface         |
|          |              | Endpoint            |
|          |              | bLength             |
|          |              | bDescriptorType     |
|          |              | bEndpointAddress    |
|          |              | bmAttributes        |
|          |              | Transfer            |
|          |              | Synch               |
|          |              | Usage               |
|          |              | wMaxPacketSize      |
|          |              | bInterval           |
|          |              | Hub                 |

| Category | Sub category                                  | Attribute name     |
|----------|---|--------------------|
|          |   | bLength            |
|          |   | bDescriptorType    |
|          |   | nNbrPorts          |
|          |   | wHubCharacteristic |
|          |   | No                 |
|          |   | Per-port           |
|          |   | bPwrOn2PwrGood     |
|          |   | bHubContrCurrent   |
|          |   | DeviceRemovable    |
|          |   | PortPwrCtrlMask    |
|          |   | Hub                |
|          |   | Port               |
|          |   | Port               |
|          |   | Device             |
|          |   | Self               |
|          |   | Remote             |
|          | Environment                                   | Variable           |
|          |   | Variable Value     |
|          | Environment > Environment Variable            | Variable           |
|          |   | Variable Value     |
|          | Environment > Drivers > Drivers Loaded Module | Internal Name      |
|          |   | Module Size        |
|          |   | Use Count          |
|          |   | Dependant Modules  |
|          |   | Status             |
|          | Environment > Drivers > Drivers               | Name               |
|          |   | Module Path        |
|          | Environment > Process                         | Command            |
|          |   | PID                |
|          |   | CPU                |
|          |   | Memory             |
|          |   | RSS                |
|          |   | VSZ                |
|          |   | Time               |



| Category | Sub category                        | Attribute name  |
|----------|-------------------------------------|-----------------|
|          |                                     | Start           |
|          |                                     | STAT            |
|          |                                     | User            |
|          |                                     | TTY             |
|          | Environment > Installed Application | Name            |
|          |                                     | Publisher       |
|          |                                     | Summary         |
|          |                                     | Size            |
|          |                                     | Install date    |
|          |                                     | URL Information |
|          |                                     | Description     |
|          | Environment > Service               | Service         |
|          |                                     | State           |

## OpenManage

Table 63. OpenManage

| Category   | Sub category | Attribute name   |
|------------|--------------|--|
| OpenManage |              | Version  |
|            |              | Item   |
|            |              | Server Administrator CLI                               |
|            |              | Storage Management package for GUI component           |
|            |              | Server Administrator Core                              |
|            |              | Storage Management CLI component                       |
|            |              | Hardware Abstraction Programming Interface             |
|            |              | Storage Management accessors package                   |
|            |              | Server Administrator Common Services                   |
|            |              | RealSSD package for storage management                 |
|            |              | Storage Management System Utilities Package / Libsysfs |
|            |              | A library for parsing GNU style command line arguments |
|            |              | Oracle Java Runtime Environment                        |
|            |              | Meta rpm for iDRAC components                          |

| Category | Sub category | Attribute name  |
|----------|--------------|---|
|          |              | Disney SNMP   |
|          |              | Server Administrator Common Framework                       |
|          |              | iDRAC7 Command Interface                                    |
|          |              | NVMe Library  |
|          |              | iDRAC SNMP components                                       |
|          |              | Data Engine   |
|          |              | Remote Access Card Data Populator                           |
|          |              | StoreLib package for storage management                     |
|          |              | Storage Management SNMP component                           |
|          |              | OSLogging control   |
|          |              | Instrumentation Services                                    |
|          |              | Data Engine SNMP  |
|          |              | Monolithic Server Virtual Media CLI Utils                   |
|          |              | iDRAC6 Command Interface                                    |
|          |              | Server Administrator XML Support SDK                        |
|          |              | RAC Command Interface                                       |
|          |              | Server Administrator XML Support SDK                        |
|          |              | RAC Command Interface                                       |
|          |              | Integrated Tunnel Provider                                  |
|          |              | Server Administrator Install Core                           |
|          |              | System Utilities Package/Libsysfs for LSI storage libraries |
|          |              | Modular Server Virtual Media CLI Utils                      |
|          |              | RAC Integration Layer                                       |
|          |              | OpenManage Inventory Collector                              |
|          |              | Storage Management common files for GUI and CLI             |
|          |              | Apache Tomcat Webserver                                     |

# Accessing the Logs

To access the logs:

On the configuration viewer, click **PowerEdge xxx** → **Server** → **Logs**.

## Logs

### Logs for Linux

**Table 64. Linux**

| Category | Sub category      | Attribute name           |
|----------|-------------------|--------------------------|
| Logs     | Structured Logs   | Hardware logs            |
|          | Unstructured Logs | Server Update Utility    |
|          |                   | Dell Update Packages     |
|          |                   | netstat                  |
|          |                   | OMSA installation        |
|          |                   | OMSA logs                |
|          |                   | RAID Controller Logs     |
|          |                   | Remote Access Controller |

### Logs for ESXi

**Table 65. ESXi**

| Category | Sub category                         | Attribute name           |
|----------|--------------------------------------|--------------------------|
| Logs     | Structured Logs                      | Hardware logs            |
|          | Unstructured Logs                    | netstat                  |
|          |                                      | RAID Controllers         |
|          |                                      | OMSA logs                |
|          |                                      | Network_info.txt         |
|          |                                      | Storage_info.txt         |
|          | Unstructured Logs (agentless method) | Remote Access Controller |
|          |                                      | Lifecycle Controller     |
|          |                                      | RAID Controller Logs     |

## Logs for iDRAC

Table 66. iDRAC

| Category | Sub category      | Attribute name           |
|----------|-------------------|--------------------------|
| Logs     | Structured Logs   | Hardware logs            |
|          | Unstructured Logs | Remote Access Controller |
|          |                   | Lifecycle Controller     |
|          |                   | RAID Controller Logs     |


## Items reported in periodic collections from servers

The items reported in the data collected from servers vary depending on the following:

- **Device Type** used to add the device in SupportAssist Enterprise
- Type of collection (manual, periodic, or support case)

The following table provides a summary of the items reported in the collected data for a periodic collection from servers.

 **NOTE: Data in a collection that is performed due a support case creation and a manually-initiated collection is more detailed in comparison with the data collected in a periodic collection.**

 **NOTE: Data from periodic collections enables Dell to provide you an insight into your company's as-maintained environment configuration with proactive firmware recommendations and other reports.**

**Table 67. Items reported in periodic collections**

| Items reported        | Device added in SupportAssist Enterprise with Device Type as Server / Hypervisor |                                     | Device added in SupportAssist Enterprise with the Device Type as iDRAC |
|-----------------------|--|-------------------------------------|--|
|                       | OMSA is installed on the device  | OMSA is not installed on the device |  |
| Memory                | ✓  | ✗                                   | ✓  |
| Memory Array          | ✓  | ✗                                   | ✓  |
| Memory Operating Mode | ✓  | ✗                                   | ✗  |
| Memory Redundancy     | ✓  | ✗                                   | ✗  |
| Slot                  | ✓  | ✗                                   | ✓  |
| Controller            | ✓  | ✗                                   | ✓  |
| Connector             | ✓  | ✗                                   | ✗  |
| PCIe-SSD-Extender     | ✓  | ✗                                   | ✓  |
| Enclosure             | ✓  | ✗                                   | ✓  |
| Array Disk            | ✓  | ✗                                   | ✓  |
| Intrusion Switch      | ✓  | ✗                                   | ✓  |
| Hardware Log          | ✓  | ✗                                   | ✓  |
| Main Chassis          | ✓  | ✗                                   | ✓  |

| Items reported                | Device added in SupportAssist Enterprise with Device Type as Server / Hypervisor |                                     | Device added in SupportAssist Enterprise with the Device Type as iDRAC |
|-------------------------------|--|-------------------------------------|--|
|                               | OMSA is installed on the device  | OMSA is not installed on the device |  |
| Additional Information        | ✓  | ✗                                   | ✓  |
| Modular Enclosure Information | ✓  | ✗                                   | ✓  |
| Firmware                      | ✓  | ✗                                   | ✓  |
| Processor                     | ✓  | ✗                                   | ✓  |
| Fan                           | ✓  | ✗                                   | ✓  |
| Fan Redundancy                | ✓  | ✗                                   | ✓  |
| Temperature                   | ✓  | ✗                                   | ✓  |
| Voltage                       | ✓  | ✗                                   | ✓  |
| Power Supply                  | ✓  | ✗                                   | ✓  |
| Power Supply Redundancy       | ✓  | ✗                                   | ✓  |
| Network                       | ✓  | ✗                                   | ✓  |
| IPv4 Address                  | ✓  | ✗                                   | ✗  |
| IPv6 Address                  | ✓  | ✗                                   | ✗  |
| Network Team Interface        | ✓  | ✗                                   | ✗  |
| Interface Member              | ✓  | ✗                                   | ✗  |
| Remote Access Device          | ✓  | ✗                                   | ✓  |
| DRAC Information              | ✓  | ✗                                   | ✗  |
| Serial Over LAN Configuration | ✓  | ✗                                   | ✓  |
| IPv6 Detail                   | ✓  | ✗                                   | ✗  |
| User Setting                  | ✓  | ✗                                   | ✓  |
| User Information              | ✓  | ✗                                   | ✓  |

| Items reported            | Device added in SupportAssist Enterprise with Device Type as Server / Hypervisor |                                     | Device added in SupportAssist Enterprise with the Device Type as iDRAC |
|---------------------------|--|-------------------------------------|--|
|                           | OMSA is installed on the device  | OMSA is not installed on the device |  |
| iDRAC User Privilege      | ✓  | ✗                                   | ✓  |
| DRAC User Privilege       | ✓  | ✗                                   | ✗  |
| Serial Port Configuration | ✓  | ✗                                   | ✓  |
| NIC Configuration         | ✓  | ✗                                   | ✓  |
| Component Detail          | ✓  | ✗                                   | ✓  |
| Controller TTY Log        | ✓  | ✗                                   | ✓  |
| Operating System          | ✓  | ✓                                   | ✗  |

 **NOTE:** In a collection from an iDRAC, Controller TTY Log is available only if iDRAC firmware version 2.00.00.00 or later installed on the server.

# Items reported from storage devices

## Dell EqualLogic storage arrays

Table 68. Attributes

| Category                       | Attribute Name                   |
|--------------------------------|----------------------------------|
| Pool                           | Compressed Space Used            |
|                                | Default Compression Min Snap Age |
|                                | Default Compression Strategy     |
|                                | Default Flag                     |
|                                | Number Of Connections            |
|                                | Number Of Members                |
|                                | Number Of Volumes                |
|                                | Operation Status Compression     |
|                                | Pool                             |
|                                | Pool Capacity GB                 |
|                                | Pool Free Space GB               |
|                                | Pool Name                        |
|                                | Snap Shot Space Borrow           |
|                                | Storage Container Count          |
|                                | Storage Container Snap Count     |
|                                | Storage Container Space Reserved |
|                                | Storage Container Volume Count   |
|                                | Storage Container Volume Online  |
|                                | Virtual Space Size               |
|                                | Group                            |
| CLI Telnet Access              |                                  |
| Capacity GB                    |                                  |
| Compression Scan Freq          |                                  |
| Default Sector Size            |                                  |
| Default Snapshot Delete Policy |                                  |
| Default Snapshot Size          |                                  |



| Category | Attribute Name                       |
|----------|--------------------------------------|
|          | Default Snapshot Space Borrow        |
|          | Default Snapshot Warning Level       |
|          | Default Thin Max Growth              |
|          | Default Thin Warning Level           |
|          | Delegated Space GB                   |
|          | Delegated Space Used                 |
|          | Group                                |
|          | Group Fail Back Reserve              |
|          | Group Free Space GB                  |
|          | Group IP Address                     |
|          | Group Name                           |
|          | Group Snapshots In Use               |
|          | Management Gateway                   |
|          | Management IP Address                |
|          | Management Network Enabled           |
|          | Max Concurrent Replicas              |
|          | NTP Server Address List              |
|          | Number Of Connection                 |
|          | Number Of Members                    |
|          | Number Of Pools                      |
|          | Number Of Volumes                    |
|          | Performance Load Balancing           |
|          | Pool Space Reserved GB               |
|          | Replication Reserve Space GB         |
|          | Replication Window Size              |
|          | Reserved Space In Use                |
|          | Run Compression Scan                 |
|          | SMTP Server Address List             |
|          | Secure CLI Access                    |
|          | Send Email Notifications             |
|          | Single Sign On Domain Name           |
|          | Single Sign On Registered Group Name |
|          | Single Sign On Status                |
|          | Snapshot Reserve Space Free GB       |

| Category | Attribute Name                          |
|----------|---|
|          | Source Email Domain                     |
|          | Source Email User Name                  |
|          | Storage Container Compressed Space Used |
|          | Storage Container Count                 |
|          | Storage Container Snap Count            |
|          | Storage Container Space Reserved        |
|          | Storage Container Volume Count          |
|          | Storage Container Volume Online         |
|          | Support Email Contact                   |
|          | Syslog Address List                     |
|          | Syslog Notify                           |
|          | Time Zone                               |
|          | Unsecured Web Access                    |
|          | Virtual Space Size                      |
|          | Virtual Volume Online                   |
|          | Virtual Volume Use                      |
|          | Virtual Volumes Count                   |
|          | Volume In Use                           |
|          | Volume Recovery Life Time               |
|          | Web Access SSL Enabled                  |
| Member   | Cache Mode                              |
|          | Capacity GB                             |
|          | Chassis Disk Sector Size                |
|          | Compress Stack Storage                  |
|          | Compression Capable                     |
|          | Family Type                             |
|          | Free Space GB                           |
|          | Gateway Address                         |
|          | Health Critical Flags                   |
|          | Health Status                           |
|          | Health Warning Flags                    |
|          | Lost RAID Blocks                        |
|          | Member                                  |
|          | Member Name                             |

| Category   | Attribute Name                  |
|------------|---------------------------------|
|            | Member Version                  |
|            | No Of Disks                     |
|            | Pool Name                       |
|            | RAID Operation Percent Complete |
|            | Raid                            |
|            | Raid Status                     |
|            | Serial Number                   |
|            | Service Tag                     |
|            | Status                          |
|            | Virtual Storage                 |
| Controller | Controller Slot Name            |
|            | Controller Boot ROM             |
|            | Controller Model                |
|            | Controller Software Revision    |
|            | Controller Serial Number        |
|            | Controller Up Time              |
|            | Type                            |
|            | Controller Boot Time            |
|            | NV RAM Battery                  |
|            | Physical RAM                    |
|            | Controller Battery Status       |
|            | Controller Role                 |
|            | Member Name                     |
|            | Controller CM Revision          |
| Disk       | Member Name                     |
|            | Serial Number                   |
|            | Size                            |
|            | Disk Slot                       |
|            | Model                           |
|            | Firmware Revision               |
|            | Error                           |
|            | Disk RPM                        |
|            | Type                            |
|            | State                           |

| Category    | Attribute Name            |
|-------------|---------------------------|
|             | Sector Size               |
| Volume      | ACL                       |
|             | Chap Users                |
|             | IP Address                |
|             | Initiator Names           |
|             | Is Volume Deleted         |
|             | Is Volume Sync Replicated |
|             | Multi Access              |
|             | Number Of Connections     |
|             | Number Of Replicas        |
|             | Number Of Snapshots       |
|             | Pool                      |
|             | Q err Management          |
|             | Raid Policy               |
|             | Sector Size               |
|             | Size GB                   |
|             | Snapshot Reserve          |
|             | Snapshot Space Borrow     |
|             | Sync Replication Status   |
|             | Thin Growth Max           |
|             | Thin Growth Warn          |
|             | Thin Min Reserve          |
|             | Thin Provisioning         |
|             | Volume                    |
|             | Volume Deleted Date       |
|             | Volume Due To Be Purged   |
|             | Volume Name               |
|             | Volume Permission         |
|             | Volume Status             |
|             | Volume Sync Status        |
| Access Rule | Access Rule               |
|             | Description               |
|             | Rule Name                 |
|             | Rule Type                 |

| Category                | Attribute Name              |
|-------------------------|-----------------------------|
|                         | Rule Type Description       |
|                         | Volume Association          |
| Volume Association      | Rule Type                   |
|                         | Volume                      |
| San HQ                  | Domain Name                 |
|                         | IP Address                  |
|                         | Last Accessed               |
|                         | San HQ                      |
|                         | Server Name                 |
|                         | Status                      |
|                         | SupportAssist               |
|                         | SupportAssist Last Accessed |
| Network Dependency      | index                       |
|                         | IP Address                  |
|                         | member index                |
| Appliance               | Admin Status                |
|                         | Appliance                   |
|                         | Management IP Address       |
|                         | Name                        |
|                         | Number Of Nodes             |
|                         | State                       |
|                         | Type                        |
|                         | Version                     |
| Appliance Configuration | CIFS Shared Access          |
|                         | Configuration               |
|                         | File Security Style         |
|                         | NFS Export Trusted Users    |
|                         | Read-Write Permission       |
| Appliance Network       | Admin State                 |
|                         | Block IP Address            |
|                         | Block Netmask Address       |
|                         | Bonding Mode                |
|                         | IP Address                  |
|                         | Id                          |

| Category       | Attribute Name                 |
|----------------|--------------------------------|
|                | MTU Size                       |
|                | Status                         |
|                | Type                           |
|                | VLAN Tag                       |
| Appliance Node | Admin Status                   |
|                | Index                          |
|                | Model                          |
|                | Name                           |
|                | Peer Node Index                |
|                | Product Type                   |
|                | Service Tag                    |
|                | Status                         |
|                | Vendor                         |
|                | Version                        |
|                | Appliance Nodes Network        |
| Id             |                                |
| Type           |                                |
| Network        | Default Gateway                |
|                | IP Address                     |
|                | Interface                      |
|                | Lldp Remote Chassis            |
|                | Lldp Remote Port Description   |
|                | Lldp Remote System Description |
|                | Lldp Remote System Name        |
|                | Lldp State                     |
|                | MAC Address                    |
|                | MTU Size                       |
|                | Net Mask                       |
|                | Network                        |
|                | Port ID                        |
|                | Port Role                      |
|                | Remote Mac Address             |
|                | Remote Management Address      |
|                | Speed Gbps                     |

| Category                 | Attribute Name               |
|--------------------------|------------------------------|
|                          | Status                       |
| Network DCB              | Current CN State             |
|                          | Current DCB State            |
|                          | Current ETS State            |
|                          | Current Operating ModeCE     |
|                          | Current PFC State            |
|                          | DCBV lan ID                  |
|                          | ETS Local Traffic Bandwidth  |
|                          | ETS Remote Traffic Bandwidth |
|                          | FCoE TLV Received alue       |
|                          | Local System ETS Willing     |
|                          | Local System PFC Willing     |
|                          | PFCEnabledOnPri4             |
|                          | Pri4TrafficClassGroup        |
|                          | Remote System ETS Willing    |
| iSCSI TLV Received Value |                              |
| Network SFP              | SFP Bit Rate Gbps            |
|                          | SFP Connector Type           |
|                          | SFP Date Code                |
|                          | SFP Firmware Version         |
|                          | SFP Identifier               |
|                          | SFP Interface Index          |
|                          | SFP Length1 Meters           |
|                          | SFPLength2 Meters            |
|                          | SFP Mode                     |
|                          | SFP Part Number              |
|                          | SFP Serial Number            |
|                          | SFP Status                   |
|                          | SFP Vendor Name              |
| Sync-Replicated Volumes  | Active Pool Name             |
|                          | Alternate Pool Name          |
|                          | SyncRep Volumes              |
|                          | Sync Replication Status      |
| Storage Container        | Container Name               |

| Category       | Attribute Name            |
|----------------|---------------------------|
|                | Description               |
|                | Logical Free              |
|                | Logical Limit             |
|                | Logical Used              |
|                | Lookup Name               |
|                | Physical Free             |
|                | Physical Used             |
| Deleted Volume | ACL                       |
|                | Chap Users                |
|                | IP Address                |
|                | Initiator Names           |
|                | Is Volume Deleted         |
|                | Is Volume Sync Replicated |
|                | Multi Access              |
|                | Number Of Connections     |
|                | Number Of Replicas        |
|                | Number Of Snapshots       |
|                | Pool                      |
|                | Qerr Management           |
|                | Raid Policy               |
|                | Sector Size               |
|                | Size GB                   |
|                | Snapshot Reserve          |
|                | Snapshot Space Borrow     |
|                | Sync Replication Status   |
|                | Thin Growth Max           |
|                | Thin Growth Warn          |
|                | Thin Min Reserve          |
|                | Thin Provisioning         |
|                | Volume Deleted Date       |
|                | Volume Due To Be Purged   |
|                | Volume Name               |
|                | Volume Permission         |
| Volume Status  |                           |



| Category              | Attribute Name                |
|-----------------------|-------------------------------|
|                       | Volume Sync Status            |
| Inter Array Ping Test | Source Group Lead Member Name |
|                       | Source Interface Name         |
|                       | Source IP Address             |
|                       | Source Port Role              |
|                       | Source Phy Address            |
|                       | Source Speed                  |
|                       | Source Mtu                    |
|                       | Destination Member Name       |
|                       | Destination Interface Name    |
|                       | Destination IP Address        |
|                       | Destination Port Role         |
|                       | Destination Phy Address       |
|                       | Destination Speed             |
|                       | Destination Mtu               |
|                       | Ping Test Result              |

## Dell Compellent storage arrays

**Table 69. Attributes**

| Category            | Attribute Name            |
|---------------------|---------------------------|
| Cache BackUp Device | Capacity                  |
|                     | Date Of Manufacture       |
|                     | Location                  |
|                     | Manufacturer              |
|                     | Part Number               |
|                     | Product ID                |
|                     | Revision Level            |
|                     | Serial Number             |
|                     | Status                    |
|                     | Type                      |
| Disk Group          | Capacity                  |
|                     | Current Owner             |
|                     | Enclosure Loss Protection |
|                     | Physical Disk Type        |

| Category                | Attribute Name            |
|-------------------------|---------------------------|
|                         | RAID Level                |
|                         | Status                    |
| Associated Disk         | Drawer                    |
|                         | Enclosure                 |
|                         | Mirrored Disk Enclosure   |
|                         | Mirrored Disk Slot        |
|                         | Slot                      |
| Associated Virtual Disk | Capacity                  |
|                         | Name                      |
| Expansion Port          | Channel ID                |
|                         | Current Data Rate         |
|                         | Max Data Rate             |
|                         | Port ID                   |
|                         | Status                    |
| Host Interface Board    | Board Id                  |
|                         | Date Of Manufacture       |
|                         | Location                  |
|                         | Number Of Ports           |
|                         | Part Number               |
|                         | Replacement Part Number   |
|                         | Serial Number             |
|                         | Status                    |
|                         | Type                      |
|                         | Vendor                    |
| Emm                     | Card Communication        |
|                         | Current Data Rate In Gbps |
|                         | Firmware Version          |
|                         | Location                  |
|                         | Status                    |
| Temperature Sensor      | Location                  |
|                         | Status                    |
|                         | Location                  |
|                         | Status                    |
| Default Host Group      | Host Group Name           |

| Category                   | Attribute Name                     |
|----------------------------|------------------------------------|
| Host On Default Host Group | Alias                              |
|                            | CHAP Secret                        |
|                            | Host Name                          |
|                            | Host Type                          |
|                            | Initiator                          |
|                            | Interface Type                     |
|                            | Label                              |
| Host Virtual Disk          | Capacity                           |
|                            | Current Owner                      |
|                            | Dynamic Cache Read Prefetch        |
|                            | Enable Background Media Scan       |
|                            | Enclosure Loss Protection          |
|                            | Flush Write Cache After            |
|                            | LUN                                |
|                            | Media Scan With Consistency Check  |
|                            | Modification Priority              |
|                            | Name                               |
|                            | Physical Disk Type                 |
|                            | Preferred Owner                    |
|                            | RAID Level                         |
|                            | Read Cache                         |
|                            | SSID                               |
|                            | Segment Size                       |
|                            | Virtual Disk Status                |
|                            | Virtual Disk World Wide Identifier |
|                            | Write Cache                        |
|                            | Write Cache With Mirroring         |
|                            | Write Cache With Out Batteries     |
|                            | Associated Disk Group              |
|                            | Capacity                           |
|                            | Current Owner                      |
|                            | Dynamic Cache Read Prefetch        |
|                            | Enable Background Media Scan       |
|                            | Enclosure Loss Protection          |

| Category               | Attribute Name                     |
|------------------------|------------------------------------|
|                        | Flush Write Cache After            |
|                        | LUN                                |
|                        | Media Scan With Consistency Check  |
|                        | Modification Priority              |
|                        | Name                               |
|                        | Physical Disk Type                 |
|                        | Preferred Owner                    |
|                        | RAID Level                         |
|                        | Read Cache                         |
|                        | SSID                               |
|                        | Segment Size                       |
|                        | Virtual Disk Status                |
|                        | Virtual Disk World Wide Identifier |
|                        | Write Cache                        |
|                        | Write Cache With Mirroring         |
|                        | Write Cache With Out Batteries     |
| Host Thin Virtual Disk | Capacity                           |
|                        | Current Owner                      |
|                        | Dynamic Cache Read Prefetch        |
|                        | Enable Background Media Scan       |
|                        | Enclosure Loss Protection          |
|                        | Flush Write Cache After            |
|                        | LUN                                |
|                        | Media Scan With Consistency Check  |
|                        | Modification Priority              |
|                        | Name                               |
|                        | Preferred Owner                    |
|                        | RAID Level                         |
|                        | Read Cache                         |
|                        | SSID                               |
|                        | Segment Size                       |
|                        | Virtual Disk Status                |
|                        | Virtual Disk World Wide Identifier |
|                        | Write Cache                        |

| Category | Attribute Name                     |
|----------|------------------------------------|
|          | Write Cache With Mirroring         |
|          | Write Cache WithOut Batteries      |
|          | Associated Disk Group              |
|          | Capacity                           |
|          | Current Owner                      |
|          | Dynamic Cache Read Prefetch        |
|          | Enable Background Media Scan       |
|          | Enclosure Loss Protection          |
|          | Flush Write Cache After            |
|          | LUN                                |
|          | Media Scan With Consistency Check  |
|          | Modification Priority              |
|          | Name                               |
|          | Preferred Owner                    |
|          | RAID Level                         |
|          | Read Cache                         |
|          | SSID                               |
|          | Segment Size                       |
|          | Virtual Disk Status                |
|          | Virtual Disk World Wide Identifier |
|          | Write Cache                        |
|          | Write Cache With Mirroring         |
|          | Write Cache Without Batteries      |
|          | Associated Disk Group              |
|          | Capacity                           |
|          | Current Owner                      |
|          | Dynamic Cache Read Prefetch        |
|          | Enable Background Media Scan       |
|          | Enclosure Loss Protection          |
|          | Flush Write Cache After            |
|          | LUN                                |
|          | Media Scan With Consistency Check  |
|          | Modification Priority              |
|          | Name                               |

| Category   | Attribute Name                     |
|------------|------------------------------------|
|            | Preferred Owner                    |
|            | RAID Level                         |
|            | Read Cache                         |
|            | SSID                               |
|            | Segment Size                       |
|            | Virtual Disk Status                |
|            | Virtual Disk World Wide Identifier |
|            | Write Cache                        |
|            | Write Cache With Mirroring         |
|            | Write Cache With Out Batteries     |
| Host Group | Host Group                         |
|            | Host Group Name                    |
|            | Host Group                         |
|            | Host Group Name                    |
| Battery    | Age                                |
|            | Date Of Manufacture                |
|            | Days Until Replacement             |
|            | Location                           |
|            | Part Number                        |
|            | Serial Number                      |
|            | Status                             |
|            | Vendor                             |
| Host       | Alias                              |
|            | CHAP Secret                        |
|            | Initiator                          |
|            | Interface Type                     |
|            | Label                              |
|            | Alias                              |
|            | CHAP Secret                        |
|            | Initiator                          |
|            | Interface Type                     |
|            | Label                              |
| Fan        | Location                           |
|            | Status                             |

| Category                     | Attribute Name               |
|------------------------------|------------------------------|
| SFP                          | Attached To                  |
|                              | Connector                    |
|                              | Data Rate                    |
|                              | IEEE ID                      |
|                              | Link Length                  |
|                              | Location                     |
|                              | Manufacture Date             |
|                              | Part Number                  |
|                              | Revision                     |
|                              | Serial Number                |
|                              | Status                       |
|                              | Transmission                 |
|                              | Transmitter                  |
|                              | Vendor                       |
| FC Host Port                 | Channel                      |
|                              | Current Data Rate            |
|                              | Current ID                   |
|                              | Data Rate Control            |
|                              | Link Status                  |
|                              | Maximum Data Rate            |
|                              | NL Port ID                   |
|                              | Part Type                    |
|                              | Preferred D                  |
|                              | Topology                     |
|                              | World Wide Node Identifier   |
|                              | World Wide Port Identifier   |
|                              | Host Group Thin Virtual Disk |
| Capacity                     |                              |
| Current Owner                |                              |
| Dynamic Cache Read Prefetch  |                              |
| Enable Background Media Scan |                              |
| Enclosure Loss Protection    |                              |
| Flush Write Cache After      |                              |
| LUN                          |                              |

| Category      | Attribute Name                     |
|---------------|------------------------------------|
|               | Media Scan With Consistency Check  |
|               | Modification Priority              |
|               | Name                               |
|               | Preferred Owner                    |
|               | RAID Level                         |
|               | Read Cache                         |
|               | SSID                               |
|               | Segment Size                       |
|               | Virtual Disk Status                |
|               | Virtual Disk World Wide Identifier |
|               | Write Cache                        |
|               | Write Cache With Mirroring         |
|               | Write Cache WithOut Batteries      |
|               | Power Supply                       |
| Location      |                                    |
| Serial Number |                                    |
| Status        |                                    |
| Vendor        |                                    |
| part Number   |                                    |
| Physical Disk | Associated Disk Group              |
|               | Current Data Rate                  |
|               | Date Of Manufacture                |
|               | Enclosure                          |
|               | Firmware Version                   |
|               | Interface Type                     |
|               | Media Type                         |
|               | Mode                               |
|               | Product ID                         |
|               | Raw Capacity                       |
|               | Serial Number                      |
|               | Slot                               |
|               | Speed                              |
|               | Status                             |
|               | Usable Capacity                    |



| Category                | Attribute Name                             |
|-------------------------|--|
|                         | Vendor                                     |
|                         | World Wide Identifier                      |
| Port Channel Connection | Channel ID                                 |
|                         | Port ID                                    |
| Accessible Host         | Host Name                                  |
|                         | LUN  |
| ISCSI Host Port         | Current Port Speed                         |
|                         | Duplex Mode                                |
|                         | Duplicate Address Detection Transmit Count |
|                         | Hop Limit                                  |
|                         | ICMP Ping Responses                        |
|                         | IPV4                                       |
|                         | IPV4 Gateway                               |
|                         | IPV4 IP Address                            |
|                         | IPV4 Network Configurations                |
|                         | IPV4 Priority                              |
|                         | IPV4 Subnet Mask                           |
|                         | IPV4V LAN ID                               |
|                         | IPV6                                       |
|                         | IPV6 Auto Configuration                    |
|                         | IPV6 Configuration Status                  |
|                         | IPV6 Priority                              |
|                         | IPV6Router IP Address                      |
|                         | Link Status                                |
|                         | Local IP Address                           |
|                         | MAC Address                                |
|                         | Max Port Speed                             |
|                         | Max Transmission Unit                      |
|                         | Port                                       |
|                         | Reachable Time                             |
|                         | Retransmit Time                            |
|                         | Stale Timeout                              |
|                         | TCP Listening Port                         |
| V LAN                   |  |

| Category                  | Attribute Name                         |
|---------------------------|--|
|                           | V LAN ID                               |
| V2 Hot Spare General Info | List Virtual Disk Groups Not Protected |
|                           | Total Hot Spare Physical Disks         |
|                           | Total In Use Hot Spare Disks           |
|                           | Total Standby Hot Spare Disks          |

**Table 70. Storage**

| Category             | Attribute Name             |
|----------------------|----------------------------|
| V2 Enclosure         | Current Physical Disk Type |
|                      | Enclosure ID               |
|                      | Service Tag                |
|                      | Chassis Name               |
|                      | Current Physical Disk Type |
|                      | Enclosure ID               |
|                      | Service Tag                |
| Controller           | Auto Id                    |
|                      | Enclosure                  |
|                      | Firmware Version           |
|                      | NVS RAM Version            |
|                      | Product ID                 |
|                      | Slot                       |
|                      | Status                     |
| Ethernet Information | Gateway                    |
|                      | IP Address                 |
|                      | MAC Address                |
|                      | Network Configuration      |
|                      | Port Number                |
|                      | Status                     |
|                      | Subnet Mask                |
| Data Cache           | Total Present              |
|                      | Total Used                 |
| General Section      | Cache Block Size           |
|                      | Current Physical Disk Type |
|                      | Firmware Version           |

| Category | Attribute Name                                      |
|----------|---|
|          | NVS RAM Version                                     |
|          | Number Of Copies Allowed                            |
|          | Number Of Copies Used                               |
|          | Number Of Expansion Enclosures                      |
|          | Number Of Expansion Enclosures Allowed              |
|          | Number Of Partitions Allowed                        |
|          | Number Of Partitions Used                           |
|          | Number Of Physical Disks                            |
|          | Number Of Physical Disks Allowed                    |
|          | Number Of Physical Disks Used                       |
|          | Number Of Raid Controller Modules                   |
|          | Number Of Replicated Pairs Allowed                  |
|          | Number Of Replicated Pairs Used                     |
|          | Number Of Replication Allowed                       |
|          | Number Of Replication Group Allowed                 |
|          | Number Of Replication Group Used                    |
|          | Number Of Replication Used                          |
|          | Number Of SFPs Detected                             |
|          | Number Of Snap Shots Allowed                        |
|          | Number Of Snapshots Allowed Per Source Virtual Disk |
|          | Number Of Snapshots Used                            |
|          | Number Of Standard Virtual Disks                    |
|          | Number Of Thin Virtual Disks Allowed                |
|          | Number Of Thin Virtual Disks Used                   |
|          | Number Of Virtual Disk Groups                       |
|          | Number Of Virtual Disks Allowed                     |
|          | Number of Access Virtual Disks                      |
|          | Percentage Start Cache Flushing                     |
|          | Percentage Stop Cache Flushing                      |
|          | Remote Replication Enabled                          |
|          | Remote Replication Group Enabled                    |
|          | Safe Store Physical Disk Security                   |
|          | Security Key Identifier                             |
|          | Snapshot Virtual Disks Enabled                      |

| Category                | Attribute Name                          |
|-------------------------|---|
|                         | Solid State Disk Support                |
|                         | Total Hot Spare Physical Disks          |
|                         | Total In Use Hot Spare Physical Disks   |
|                         | Total Stand By Hot Spare Physical Disks |
|                         | Total Virtual Disks Used                |
|                         | Virtual Disk Copy Enabled               |
|                         | World Wide Identifier                   |
| Processor Cache         | Total Present                           |
| V2 ISCSI                | Chap Secret Defined                     |
|                         | Disallow UNNamed Discovery Sessions     |
|                         | IPV4Address                             |
|                         | IPV4Configuration                       |
|                         | IPV6Address                             |
|                         | ISNS Server Registration                |
|                         | TCP Listening Port                      |
|                         | Target Alias                            |
|                         | Target Authentication                   |
| Target Name             |   |
| Host Port               | Channel ID                              |
|                         | Current Data Rate                       |
|                         | Max Data Rate                           |
|                         | Port ID                                 |
|                         | Port Type                               |
|                         | Status                                  |
| Local Virtual Disk Info | WWN                                     |
|                         | Capacity                                |
|                         | Name                                    |
|                         | Role                                    |
| Remote Virtual DiskInfo | Virtual Disk World Wide Identifier      |
|                         | Capacity                                |
|                         | Name                                    |
|                         | Remote Storage Array                    |
|                         | Role                                    |
|                         | Virtual Disk World Wide Identifier      |

| Category                | Attribute Name                    |
|-------------------------|-----------------------------------|
| Cumulative Error Detail | Baseline Time Set                 |
|                         | Sample Period                     |
|                         | Controller Module Detected Errors |
|                         | Physical Disk Detected Errors     |
|                         | Timeout Errors                    |
|                         | Total IO Count                    |

## Dell PowerVault MD Series storage arrays

**Table 71. PowerVault MD Series storage array logs**

| Category           | Attribute Name         |
|--------------------|------------------------|
| Accessible Host    | Host Name              |
|                    | LUN                    |
| Application Log    | Date Time              |
|                    | Event ID               |
|                    | Message                |
|                    | Source                 |
|                    | Status                 |
|                    | Type                   |
|                    | health Status          |
| Temperature Sensor | Location               |
|                    | Status                 |
| Associated Disk    | Drawer                 |
|                    | Enclosure              |
|                    | Slot                   |
| BIOS Boot Settings | Description            |
|                    | Value                  |
| Battery            | Age                    |
|                    | Date Of Manufacture    |
|                    | Days Until Replacement |
|                    | Location               |
|                    | Part Number            |
|                    | Serial Number          |
|                    | Status                 |
|                    | Vendor                 |

| Category             | Attribute Name       |
|----------------------|----------------------|
| Cache BackUp Device  | Capacity             |
|                      | Date Of Manufacture  |
|                      | Location             |
|                      | Manufacturer         |
|                      | Part Number          |
|                      | Product ID           |
|                      | Revision Level       |
|                      | Serial Number        |
|                      | Status               |
|                      | Type                 |
| Chassis Slot         | Bios Version         |
|                      | Blade Type           |
|                      | Chassis Slot         |
|                      | Host Name            |
|                      | MezzB Model          |
|                      | MezzB Type           |
|                      | MezzC Model          |
|                      | MezzC Type           |
|                      | Presence             |
|                      | Service Tag          |
|                      | Slot Name            |
|                      | Check iDRAC Response |
| Check iDRAC Response | Model                |
| Component            | Component            |
| Controller           | Auto Id              |
|                      | Firmware Version     |
|                      | NVS RAM Version      |
|                      | Product ID           |
|                      | Slot                 |
|                      | Status               |
| Data Cache           | Total Present        |
|                      | Total Used           |
| Default Host Group   | Host Group Name      |
| Disk                 | Disk                 |

| Category             | Attribute Name            |
|----------------------|---------------------------|
| Disk Group           | Capacity                  |
|                      | Current Owner             |
|                      | Disk Group Name           |
|                      | Enclosure Loss Protection |
|                      | Physical Disk Type        |
|                      | RAID Level                |
|                      | Status                    |
| Disks Folder         | Name                      |
| Emm                  | Card Communication        |
|                      | Current Data Rate In GBPS |
|                      | Firmware Version          |
|                      | Location                  |
|                      | Status                    |
| Ethernet Information | Gateway                   |
|                      | IP Address                |
|                      | MAC Address               |
|                      | Network Configuration     |
|                      | Port Number               |
|                      | Status                    |
|                      | Subnet Mask               |
| Expansion Port       | Channel ID                |
|                      | Current Data Rate         |
|                      | Expansion Port            |
|                      | Max Data Rate             |
|                      | Status                    |
| FC Host Port         | Channel                   |
|                      | Current Data Rate         |
|                      | Current ID                |
|                      | Data Rate Control         |
|                      | Link Status               |
|                      | Maximum Data Rate         |
|                      | NL Port ID                |
|                      | Part Type                 |
|                      | Preferred ID              |

| Category        | Attribute Name                                     |
|-----------------|--|
|                 | Topology   |
|                 | World Wide Node Identifier                         |
|                 | World Wide Port Identifier                         |
| Fan             | Location   |
|                 | Status   |
| General         | Attribute  |
|                 | Settings   |
| General Section | Cache Block Size                                   |
|                 | Current Physical Disk Type                         |
|                 | Firmware Version                                   |
|                 | NVS RAM Version                                    |
|                 | Number Of Copies Allowed                           |
|                 | Number Of Copies Used                              |
|                 | Number Of Expansion Enclosures                     |
|                 | Number Of Expansion Enclosures Allowed             |
|                 | Number Of Partitions Allowed                       |
|                 | Number Of Partitions Used                          |
|                 | Number Of Physical Disks                           |
|                 | Number Of Physical Disks Allowed                   |
|                 | Number Of Physical Disks Used                      |
|                 | Number Of Raid Controller Modules                  |
|                 | Number Of Replicated Pairs Allowed                 |
|                 | Number Of Replicated Pairs Used                    |
|                 | Number Of Replication Allowed                      |
|                 | Number Of Replication Group Allowed                |
|                 | Number Of Replication Group Used                   |
|                 | Number Of Replication Used                         |
|                 | Number Of SFPs Detected                            |
|                 | Number Of Snapshots Allowed                        |
|                 | Number Of Snapshots Allowed PerSource Virtual Disk |
|                 | Number Of Snapshots Used                           |
|                 | Number Of Standard Virtual Disks                   |
|                 | Number Of Thin Virtual Disks Allowed               |
|                 | Number Of Thin Virtual Disks Used                  |



| Category                     | Attribute Name                          |
|------------------------------|---|
|                              | Number Of Virtual Disk Groups           |
|                              | Number Of Virtual Disks Allowed         |
|                              | Number of Access Virtual Disks          |
|                              | Percentage Start Cache Flushing         |
|                              | Percentage Stop Cache Flushing          |
|                              | Remote Replication Enabled              |
|                              | Remote Replication Group Enabled        |
|                              | Safe Store Physical Disk Security       |
|                              | Security Key Identifier                 |
|                              | Snapshot Virtual Disks Enabled          |
|                              | Solid State Disk Support                |
|                              | Total Hot Spare Physical Disks          |
|                              | Total In Use Hot Spare Physical Disks   |
|                              | Total Stand By Hot Spare Physical Disks |
|                              | Total Virtual Disks Used                |
|                              | Virtual Disk Copy Enabled               |
|                              | World Wide Identifier                   |
|                              | Host                                    |
| CHAP Secret                  |   |
| Host Name                    |   |
| Host Type                    |   |
| Initiator                    |   |
| Interface Type               |   |
| Label                        |   |
| Host Group                   | Host Group Name                         |
| Host Group Thin Virtual Disk | Capacity                                |
|                              | Current Owner                           |
|                              | Dynamic Cache Read Prefetch             |
|                              | Enable Background Media Scan            |
|                              | Enclosure Loss Protection               |
|                              | Flush Write Cache After                 |
|                              | LUN                                     |
|                              | Media Scan With Consistency Check       |
|                              | Modification Priority                   |

| Category                   | Attribute Name                     |
|----------------------------|------------------------------------|
|                            | Name                               |
|                            | Preferred Owner                    |
|                            | RAID Level                         |
|                            | Read Cache                         |
|                            | SSID                               |
|                            | Segment Size                       |
|                            | Virtual Disk Status                |
|                            | Virtual Disk World Wide Identifier |
|                            | Write Cache                        |
|                            | Write Cache With Mirroring         |
|                            | Write Cache With Out Batteries     |
| Host Interface Board       | Board Id                           |
|                            | Date Of Manufacture                |
|                            | Location                           |
|                            | Number Of Ports                    |
|                            | Part Number                        |
|                            | Replacement Part Number            |
|                            | Serial Number                      |
|                            | Status                             |
|                            | Type                               |
|                            | Vendor                             |
| Host On Default Host Group | Alias                              |
|                            | CHAP Secret                        |
|                            | Host Name                          |
|                            | Host On Default Host Group         |
|                            | Host Type                          |
|                            | Initiator                          |
|                            | Interface Type                     |
|                            | Label                              |
| Host Thin Virtual Disk     | Capacity                           |
|                            | Current Owner                      |
|                            | Dynamic Cache Read Prefetch        |
|                            | Enable Background Media Scan       |
|                            | Enclosure Loss Protection          |

| Category                           | Attribute Name                     |
|------------------------------------|------------------------------------|
|                                    | Flush Write Cache After            |
|                                    | LUN                                |
|                                    | Media Scan With Consistency Check  |
|                                    | Modification Priority              |
|                                    | Name                               |
|                                    | Preferred Owner                    |
|                                    | RAID Level                         |
|                                    | Read Cache                         |
|                                    | SSID                               |
|                                    | Segment Size                       |
|                                    | Virtual Disk Status                |
|                                    | Virtual Disk World Wide Identifier |
|                                    | Write Cache                        |
|                                    | Write Cache With Mirroring         |
|                                    | Write Cache With Out Batteries     |
| Host Virtual Disk                  | Capacity                           |
|                                    | Current Owner                      |
|                                    | Dynamic Cache Read Prefetch        |
|                                    | Enable Background Media Scan       |
|                                    | Enclosure Loss Protection          |
|                                    | Flush Write Cache After            |
|                                    | LUN                                |
|                                    | Media Scan With Consistency Check  |
|                                    | Modification Priority              |
|                                    | Name                               |
|                                    | Physical Disk Type                 |
|                                    | Preferred Owner                    |
|                                    | RAID Level                         |
|                                    | Read Cache                         |
|                                    | SSID                               |
| Segment Size                       |                                    |
| Virtual Disk Status                |                                    |
| Virtual Disk World Wide Identifier |                                    |
| Write Cache                        |                                    |

| Category        | Attribute Name                             |
|-----------------|--|
|                 | Write Cache With Mirroring                 |
|                 | Write Cache With Out Batteries             |
| ISCSI Host Port | Current Port Speed                         |
|                 | Duplex Mode                                |
|                 | Duplicate Address Detection Transmit Count |
|                 | Hop Limit                                  |
|                 | ICMP Ping Responses                        |
|                 | IPV4                                       |
|                 | IPV4 Gateway                               |
|                 | IPV4 IP Address                            |
|                 | IPV4 Network Configurations                |
|                 | IPV4 Priority                              |
|                 | IPV4 Subnet Mask                           |
|                 | IPV4V LAN ID                               |
|                 | IPV6                                       |
|                 | IPV6 Auto Configuration                    |
|                 | IPV6 Configuration Status                  |
|                 | IPV6 Priority                              |
|                 | IPV6 Router IP Address                     |
|                 | Link Status                                |
|                 | Local IP Address                           |
|                 | MAC Address                                |
|                 | Max Port Speed                             |
|                 | Max Transmission Unit                      |
|                 | Port                                       |
|                 | Reachable Time                             |
|                 | Retransmit Time                            |
|                 | Stale Timeout                              |
|                 | TCP Listening Port                         |
|                 | V LAN                                      |
| V LAN ID        |  |
| Physical Disk   | Associated Disk Group                      |
|                 | Current Data Rate                          |
|                 | Date Of Manufacture                        |

| Category                  | Attribute Name                 |
|---------------------------|--------------------------------|
|                           | Firmware Version               |
|                           | Interface Type                 |
|                           | Media Type                     |
|                           | Mode                           |
|                           | Physical Disk Path Redundancy  |
|                           | Product ID                     |
|                           | Raw Capacity                   |
|                           | Serial Number                  |
|                           | Slot                           |
|                           | Speed                          |
|                           | Status                         |
|                           | Usable Capacity                |
|                           | Vendor                         |
|                           | World Wide Identifier          |
| Power Supply              | Date Of Manufacture            |
|                           | Location                       |
|                           | Serial Number                  |
|                           | Status                         |
|                           | Vendor                         |
|                           | part Number                    |
| V2 Enclosure              | Chassis Name                   |
|                           | Current Physical Disk Type     |
|                           | Enclosure ID                   |
|                           | Service Tag                    |
| V2 Hot Spare General Info | Total Hot Spare Physical Disks |
|                           | Total n Use Hot Spare Disks    |
|                           | Total Stand By Hot Spare Disks |
| SFP                       | Attached To                    |
|                           | Connector                      |
|                           | Data Rate                      |
|                           | IEEE ID                        |
|                           | Link Length                    |
|                           | Location                       |
|                           | Manufacture Date               |

| Category        | Attribute Name |
|-----------------|----------------|
|                 | Part Number    |
|                 | Revision       |
|                 | Serial Number  |
|                 | Status         |
|                 | Transmission   |
|                 | Transmitter    |
|                 | Vendor         |
| Processor Cache | Total Present  |

# Items reported from networking devices

## Dell Force10 or Dell Networking

Table 72. Attributes

| Category                  | Attribute Name                            |
|---------------------------|---|
| Thermal Sensor            | Sensor Name_S0                            |
|                           | Sensor Name_S1                            |
|                           | Sensor Name_S10                           |
|                           | Sensor Name_S11                           |
|                           | Sensor Name_S12                           |
|                           | Sensor Name_S2                            |
|                           | Sensor Name_S3                            |
|                           | Sensor Name_S4                            |
|                           | Sensor Name_S5                            |
|                           | Sensor Name_S6                            |
|                           | Sensor Name_S7                            |
|                           | Sensor Name_S8                            |
|                           | Sensor Name_S9                            |
|                           | Unit                                      |
| LLDP Neighbor Information | Local Port ID                             |
|                           | Remote Chassis Id                         |
|                           | Remote Host Name                          |
|                           | Remote Port Id                            |
| Port Extender ID assigned | Cascade LAG                               |
|                           | Cascade Local Status                      |
|                           | Cascade Remote Status                     |
|                           | Discovery Status                          |
|                           | Port Extender Configuration Local Status  |
|                           | Port Extender Configuration Remote Status |
|                           | Port Extender ID                          |
| Status                    |   |

| Category             | Attribute Name                |
|----------------------|-------------------------------|
|                      | System MAC                    |
|                      | Up Time                       |
|                      | User Configured Cascade Ports |
| RSTP                 | Bridge Id Address             |
|                      | Bridge Id Priority            |
|                      | Root Id Address               |
|                      | Root Id Priority              |
| Protocol Information | RIP Status                    |
|                      | RIP Version                   |
|                      | SSH                           |
|                      | Telnet                        |
| Stack Info_Unit      | Burned In MAC                 |
|                      | Express Service Code          |
|                      | Hardware Rev                  |
|                      | Jumbo Capable                 |
|                      | Number of MACs                |
|                      | OS Version                    |
|                      | Part Number                   |
|                      | Piece Part ID                 |
|                      | Serial Number                 |
|                      | Service Tag                   |
|                      | Temperature                   |
|                      | Unit Type                     |
|                      | Up Time                       |
|                      | Voltage Status                |
| RPM Card Temperature | Card Number                   |
|                      | Temperature                   |
|                      | Voltage Status                |
| Unit                 | Burned In MAC                 |
|                      | Detected Code Version         |
|                      | Management Status             |
|                      | Model                         |
|                      | Reload Type                   |
|                      | Serial Number                 |



| Category             | Attribute Name     |
|----------------------|--------------------|
|                      | Service Tag        |
|                      | Switch Status      |
|                      | Unit Number        |
|                      | Up Time            |
| RPM Card Information | Card Number        |
|                      | Card Type          |
|                      | Hardware Rev       |
|                      | Jumbo Capable      |
|                      | Last Restart       |
|                      | Next Boot          |
|                      | Number Of Ports    |
|                      | OS Version         |
|                      | Status             |
|                      | Up Time            |
| NTP Association      | Delay              |
|                      | Dispersion         |
|                      | Offset             |
|                      | Polling Interval   |
|                      | Reachability       |
|                      | Reference Clock    |
|                      | Remote IP Address  |
|                      | Stratum            |
| When                 |                    |
| PVST                 | Bridge Id Address  |
|                      | Bridge Id Priority |
|                      | Root Id Address    |
|                      | Root Id Priority   |
|                      | VLAN ID            |

**Table 73. Data center Bridging**

| Category                | Attribute Name |
|-------------------------|----------------|
| Spanning Tree Interface | Cost           |
|                         | Name           |
|                         | Port ID        |

| Category              | Attribute Name           |
|-----------------------|--------------------------|
|                       | Priority                 |
|                       | Status                   |
|                       | Role                     |
| LACP Port Channel     | LACP Indicator           |
|                       | LAG                      |
|                       | related Class            |
| Line Card Information | Burned In MAC            |
|                       | Card Number              |
|                       | Current Type             |
|                       | Hardware Rev             |
|                       | Jumbo Capable            |
|                       | Next Boot                |
|                       | Number Of Ports          |
|                       | Number of MACs           |
|                       | OS Version               |
|                       | Required Type            |
|                       | Status                   |
| Up Time               |                          |
| Validation            | Model                    |
| Inventory Information | Part Number              |
|                       | Type                     |
|                       | Unit                     |
| Stack Port Interface  | Admin Status             |
|                       | Connection               |
|                       | Interface                |
|                       | Link Speed Gb per second |
|                       | Link Status              |
|                       | Trunk Group              |
| LACP Information      | Actor Admin Key          |
|                       | Actor System Address     |
|                       | Actor System Priority    |
|                       | Admin State              |
|                       | Mode                     |
|                       | Operational Key          |

| Category                 | Attribute Name          |
|--------------------------|-------------------------|
|                          | Operational State       |
|                          | Partner Operational Key |
|                          | Partner System Address  |
|                          | Partner System Priority |
|                          | Port Channel Number     |
| Manufacturer Information | Chassis Epoch           |
|                          | Chassis Mac Address     |
|                          | Chassis Mode            |
|                          | Chassis Type            |
|                          | Country Code            |
|                          | Date Code               |
|                          | Express Service Code    |
|                          | PPID Revision           |
|                          | Part Number             |
|                          | Piece Part ID           |
|                          | Product Revision        |
|                          | Serial Number           |
|                          | Service Tag             |
|                          | Vendor Id               |
| Debug Information        | Protocol                |
|                          | Status                  |
| Line Card Temperature    | Card Number             |
|                          | Temperature             |
|                          | Voltage Status          |
| TC Group Minor Alarm     | Bandwidth               |
|                          | Priority                |
|                          | TC Grp                  |
|                          | TSA                     |
|                          | Alarm Type              |
|                          | Duration                |
| Port Channel             | Channel Group           |
|                          | Description             |
|                          | MAC Address             |
|                          | Ports                   |

| <b>Category</b>                           | <b>Attribute Name</b>                               |
|---|---|
| Inventory Media Information Non Qualified | Force10Qualified                                    |
|   | Media   |
|   | Media Type  |
|   | Port Number   |
|   | Serial Number                                       |
|   | Slot Number   |
| LACP Port Counters Information            | Actor Admin State                                   |
|   | Actor System Admin Key                              |
|   | Actor System Priority                               |
|   | Illegal PktsRx                                      |
|   | LACPPDURx   |
|   | LACPPDUTx   |
|   | LACP State  |
|   | Marker PDURx  |
|   | Marker PDUTx  |
|   | Port Mode   |
|   | Port Number   |
|   | Port Operational State                              |
|   | Port Operational Key                                |
|   | Port Operational Priority                           |
|   | Port State  |
| Unknown PktsRx                            |   |
| NTP Status                                | Clock Synchronization                               |
|   | Time  |
| Port Extender                             | Current number of Port Extender units in the system |
|   | Maximum number of Port Extender Units allowed       |
| ETS Summary                               | Conf TLVTx Status                                   |
|   | ETSDCBX Operation Status                            |
|   | Interface Name                                      |
|   | RecoTLVTx Status                                    |
| CSP Info                                  | Local Req Sem Status                                |
|   | PEID  |
|   | Remote Req Sem Status                               |
|   | RxPDU Sem Status                                    |

| Category                             | Attribute Name             |
|--------------------------------------|----------------------------|
|                                      | TxPDU Sem Status           |
| Stack Unit Details                   | Port Extender ID           |
|                                      | Stack ID                   |
| Networking                           | Hardware Rev               |
|                                      | IP Address                 |
|                                      | Make                       |
|                                      | Members                    |
|                                      | Spanning Tree              |
|                                      | Stack Status               |
|                                      | Update Switch Version      |
|                                      | Virtual IP Address         |
| Security Information                 | Enable Secret              |
|                                      | Logging FTP Server         |
|                                      | SNMP Notification          |
| Configuration Management Information | Default Gateway            |
|                                      | IP Address                 |
| VLAN                                 | IP Address                 |
|                                      | Name                       |
|                                      | Ports                      |
|                                      | Status                     |
|                                      | VLAN ID                    |
| Configured Protocols                 | Protocol                   |
| PFC Summary                          | DCBX Operation Status      |
|                                      | ISCSITLVTx Status          |
|                                      | Local ISCSI Priority Map   |
|                                      | Name                       |
|                                      | PFC Admin                  |
|                                      | PFCDCBX Operational Status |
|                                      | PFC Remote Mode            |
|                                      | Remote ISCSI Priority Map  |
|                                      | Remote MAC Address         |
|                                      | TLVTx Status               |
| MST                                  | Bridge Id Address          |
|                                      | Bridge Id Priority         |

| Category                    | Attribute Name               |
|-----------------------------|------------------------------|
|                             | MST ID                       |
|                             | Root Id Address              |
|                             | Root Id Priority             |
|                             | Spanning Tree VLANs          |
| Storm Control Config        | Direction                    |
|                             | Interface                    |
|                             | Packets Per Second           |
|                             | Percentage                   |
|                             | Storm Control Config         |
|                             | Type                         |
|                             | Wred Profile                 |
| PVST                        | Cost                         |
|                             | Name                         |
|                             | Port Id                      |
|                             | Priority                     |
|                             | Role                         |
|                             | Status                       |
| Major Alarm                 | Alarm Type                   |
|                             | Duration                     |
| Stack Info                  | Number of Ports              |
|                             | Reason                       |
|                             | Stack ID                     |
|                             | Status                       |
|                             | Type                         |
|                             | Unit Mac                     |
| Statistics Info             | ECP_Dropped                  |
|                             | ECP_Rx                       |
|                             | ECP_Rx_Ack                   |
|                             | ECP_Tx                       |
|                             | ECP_Tx_Ack                   |
|                             | Port Extender ID             |
|                             | Port Extender_CSP_Rx Message |
|                             | Port Extender_CSP_Tx Message |
| Alarm Threshold Information | Alarm Threshold Information  |

| Category | Attribute Name |
|----------|----------------|
|          | Major          |
|          | Major Off      |
|          | Minor          |
|          | Minor Off      |
|          | Particulars    |
|          | Shutdown       |

**Table 74. Stack Port**

| Category               | Attribute Name     |
|------------------------|--------------------|
| Fan Status             | Bay                |
|                        | Fan0               |
|                        | Fan0 Speed         |
|                        | Fan1               |
|                        | Fan1 Speed         |
|                        | Tray Status        |
|                        | Unit               |
| STP                    | Bridge Id Address  |
|                        | Bridge Id Priority |
|                        | Root Id Address    |
|                        | Root Id Priority   |
| Temperature Sensor     | Temperature        |
|                        | Voltage Status     |
| Power Supply           | Bay                |
|                        | Power Supply       |
|                        | Status             |
| Out Of Band Management | IP Address         |
|                        | Port               |
| Fan                    | Bay                |
|                        | Fan0 Speed         |
|                        | Fan0 Status        |
|                        | Fan1 Speed         |
|                        | Fan1 Status        |
|                        | Fan2 Speed         |
|                        | Fan2 Status        |

| Category              | Attribute Name                |
|-----------------------|-------------------------------|
|                       | Fan3 Speed                    |
|                       | Fan3 Status                   |
| Redundancy Info       | Auto Data Sync                |
|                       | Auto fail over limit          |
|                       | Auto reboot Port Extender     |
|                       | Failover Count                |
|                       | Failover Type                 |
|                       | Last failover Reason          |
|                       | Last failover timestamp       |
|                       | Last failover type            |
|                       | Link to Peer                  |
|                       | Management ID                 |
|                       | Peer Port Extender            |
|                       | Port Extender ID              |
|                       | Port Extender Redundancy Role |
|                       | Port Extender SW Version      |
|                       | Port Extender State           |
| Primary Port Extender |                               |
| Stack Ports Info      | Admin Status                  |
|                       | Connection                    |
|                       | Interface                     |
|                       | Link Speed In Gbps            |
|                       | Link Status                   |
| Fan Tray              | Bay                           |
|                       | Fan0Speed                     |
|                       | Fan0Status                    |
|                       | Fan1Speed                     |
|                       | Fan1Status                    |
|                       | Fan2Speed                     |
|                       | Fan2Status                    |
|                       | Fan3Speed                     |
|                       | Fan3Status                    |
|                       | Unit                          |



**Table 75. Stack Port Interfaces**

| Category      | Attribute Name             |
|---------------|----------------------------|
| Interface     | Description                |
|               | Duplex                     |
|               | Flow control RX            |
|               | Flow control TX            |
|               | IPMTU                      |
|               | Interface Name             |
|               | Interface Status           |
|               | Line Protocol              |
|               | Line Speed                 |
|               | MAC Address                |
|               | MTU                        |
|               | Media Type                 |
|               | Port channel               |
|               | SFP Receive Power          |
|               | STP Edge Port              |
|               | Status                     |
|               | Type                       |
|               | Power Supply Port Extender |
| Fan Speed     |                            |
| Fan Status    |                            |
| Status        |                            |
| Type          |                            |
| Unit          |                            |
| PE Error Info | PE Errors Info             |
|               | Port Extender ID           |
|               | Port Extender MAC          |

# Dell PowerConnect or Dell Networking

**Table 76. Attributes**

| Category            | Attribute Name        |
|---------------------|-----------------------|
| Temperature         | Description           |
|                     | Status                |
|                     | Sensor ID             |
|                     | Temperature Celsius   |
|                     | Centigrade            |
|                     | Fahrenheit            |
| Traffic Class Group | Max Bandwidth         |
|                     | Min Bandwidth         |
|                     | Scheduler Type        |
|                     | Traffic Class Group   |
|                     | Weight                |
| Networking          | Asset Tag             |
|                     | CPU Version           |
|                     | Chassis Tag           |
|                     | Description           |
|                     | Flow Control          |
|                     | HW Version            |
|                     | IP Address            |
|                     | Make                  |
|                     | Members               |
|                     | Mode                  |
|                     | Networking            |
|                     | Service Tag           |
|                     | Spanning Tree         |
|                     | Spanning Tree Enabled |
|                     | Switch Name           |
|                     | Vendor Name           |
| PVST                | Bridge ID Address     |
|                     | Bridge ID Priority    |
|                     | PVST ID               |
|                     | Root ID Address       |

| Category                | Attribute Name       |
|-------------------------|----------------------|
|                         | Root ID Path Cost    |
|                         | Root ID Priority     |
|                         | Root Port            |
|                         | Spanning Tree Ports  |
|                         | Spanning Tree V LANs |
| Spanning Tree Root Port | Bridge ID Address    |
|                         | Bridge ID Priority   |
|                         | Cost                 |
|                         | Name                 |
|                         | Port Fast            |
|                         | Priority Number      |
|                         | Restricted Port      |
|                         | Root ID Address      |
|                         | Root ID Path Cost    |
|                         | Root ID Priority     |
|                         | Root Port            |
|                         | Spanning Tree VLANs  |
|                         | Role                 |
|                         | State                |
|                         | Status               |
| Type                    |                      |
| STP                     | Bridge ID Address    |
|                         | Bridge ID Priority   |
|                         | MST                  |
|                         | MST ID               |
|                         | Root ID Address      |
|                         | Root D Path Cost     |
|                         | Root D Priority      |
|                         | Root Port            |
|                         | Spanning Tree V ans  |
| RSTP                    | Bridge D Address     |
|                         | Bridge ID Priority   |
|                         | ID                   |
|                         | MST ID               |

| Category            | Attribute Name        |
|---------------------|-----------------------|
|                     | Root ID Address       |
|                     | Root ID Path Cost     |
|                     | Root ID Priority      |
|                     | Root Port             |
|                     | Spanning Tree VLANs   |
| MST                 | Bridge ID Address     |
|                     | Bridge ID Priority    |
|                     | ID                    |
|                     | MST ID                |
|                     | Root ID Address       |
|                     | Root ID Path Cost     |
|                     | Root ID Priority      |
|                     | Root Port             |
|                     | Spanning Tree VLANs   |
| RPVST               | Bridge ID Address     |
|                     | Bridge ID Priority    |
|                     | RPVST ID              |
|                     | Root ID Address       |
|                     | Root ID Path Cost     |
|                     | Root ID Priority      |
|                     | Root Port             |
|                     | Spanning Tree VLANs   |
| LLDPTLV Interface   | App Priority          |
|                     | ETS Config            |
|                     | ETS Recommend         |
|                     | Interface             |
|                     | LLDPTLV Interface     |
|                     | Priority Flow control |
| Port Fast Interface | Admin State           |
|                     | Description           |
|                     | Duplex                |
|                     | Flow Control Status   |
|                     | Link State            |
|                     | MDIX                  |

| Category               | Attribute Name         |
|------------------------|------------------------|
|                        | MTU                    |
|                        | Negotiation            |
|                        | Negotiation            |
|                        | Port Fast Interface    |
|                        | Port Number            |
|                        | Speed                  |
|                        | Type                   |
|                        | Ucast Mode             |
| VLAN                   | Name                   |
|                        | Ports                  |
|                        | Tagged Ports           |
|                        | Type                   |
|                        | Untagged Ports         |
|                        | VLAN                   |
|                        | VLAN ID                |
|                        | Admin State            |
|                        | IP Address             |
|                        | Operational State      |
| Unit                   | Description            |
|                        | Detected Code Version  |
|                        | MAC Address            |
|                        | Management Status      |
|                        | Model                  |
|                        | Preconfig Model ID     |
|                        | Serial Number          |
|                        | Service Tag            |
|                        | Stand by Status        |
|                        | Switch Status          |
|                        | Unit Number            |
|                        | Up Time                |
|                        | Factory Serial Number  |
|                        | Number Of FC Ports     |
|                        | Number Of Tengig Ports |
| Supplier Serial Number |                        |

| Category                | Attribute Name          |
|-------------------------|-------------------------|
| Spanning Tree Interface | Port Fast               |
|                         | Cost                    |
|                         | Name                    |
|                         | Priority Number         |
|                         | Restricted Port         |
|                         | Role                    |
|                         | Spanning Tree Interface |
|                         | State                   |
|                         | Status                  |

**Table 77. Data Center Bridging**

| Category                                  | Attribute Name                            |
|---|---|
| Port Aggregator                           | Default VLAN                              |
|   | Group Id                                  |
|   | Group VLAN                                |
|   | Port Aggregator                           |
|   | Ports                                     |
| Traffic Class Group Traffic Class Mapping | Traffic Class                             |
|   | Traffic Class Group                       |
|   | Traffic Class Group Traffic Class Mapping |
| Priority Flow Control                     | Drop Priorities                           |
|   | No Drop Priorities                        |
|   | Operational Status                        |
|   | Port                                      |
|   | Priority Flow Control                     |
| Spanning Tree Active Name                 | Name                                      |
|   | Spanning Tree Active Name                 |
| iSCSI                                     | COS                                       |
|   | DSCP                                      |
|   | Enabled                                   |
|   | VPT                                       |
|   | iSCSI                                     |
| LLDP Remote                               | Capabilities                              |
|   | Chassis ID                                |

| Category                      | Attribute Name                |
|-------------------------------|-------------------------------|
|                               | LLDP Remote                   |
|                               | Local Interface               |
|                               | Peer DCBX Version             |
|                               | Port                          |
|                               | Port ID                       |
|                               | System Name                   |
|                               | TTL                           |
| Spanning Tree Active          | BPDU Flooding                 |
|                               | Port Fast                     |
|                               | Spanning Tree Active          |
|                               | Spanning Tree Mode            |
|                               | Status                        |
| Stacking Front Port           | Admin Status                  |
|                               | Configured Stack Mode         |
|                               | Interface                     |
|                               | Link Speed Gb per second      |
|                               | Link Status                   |
|                               | Port Mode                     |
|                               | Running Stack Mode            |
|                               | Stacking Front Port           |
| LLDPTLV Port                  | LLDPTLV Port                  |
|                               | port                          |
| Spanning Tree Ports Interface | Cost                          |
|                               | Name                          |
|                               | Port Fast                     |
|                               | Priority Number               |
|                               | Restricted Port               |
|                               | Role                          |
|                               | Spanning Tree Ports Interface |
|                               | State                         |
| Status                        |                               |
| Temperature Sensor            | Celsius                       |
|                               | Status                        |
|                               | Temperature Sensor            |

| Category                            | Attribute Name                      |
|-------------------------------------|-------------------------------------|
| Power Supply                        | Main Power Supply Status            |
|                                     | Name                                |
|                                     | Power Supply                        |
|                                     | Redundant Power Supply Status       |
|                                     | Status                              |
| Interfaces                          | Admin State                         |
|                                     | Duplex                              |
|                                     | Flow Control Status                 |
|                                     | Interfaces                          |
|                                     | Link State                          |
|                                     | MDIX                                |
|                                     | MTU                                 |
|                                     | Negotiation                         |
|                                     | Port Number                         |
|                                     | Speed                               |
|                                     | Type                                |
|                                     | Ucast Mode                          |
| Line                                | Execution Timeout                   |
|                                     | Line                                |
|                                     | Type                                |
| Fan                                 | Fan                                 |
|                                     | Fan1                                |
|                                     | Fan2                                |
|                                     | Fan3                                |
|                                     | Fan4                                |
|                                     | Fan5                                |
|                                     | Name                                |
|                                     | Status                              |
| Traffic Class User Priority Mapping | Traffic Class                       |
|                                     | Traffic Class User Priority Mapping |
|                                     | User Priority                       |
| Port Channel                        | Channel                             |
|                                     | Channel Group                       |
|                                     | Hash Algorithm Type                 |



| Category                 | Attribute Name           |
|--------------------------|--------------------------|
|                          | MAC Address              |
|                          | Name                     |
|                          | Port Channel             |
|                          | Ports                    |
| Slot                     | Admin State              |
|                          | Configured Card Model ID |
|                          | Pluggable                |
|                          | Power State              |
|                          | Slot                     |
|                          | Slot Name                |
|                          | Slot Number              |
|                          | Status                   |
| Spanning Interface Ports | Cost                     |
|                          | Name                     |
|                          | Port Fast                |
|                          | Priority Number          |
|                          | Restricted Port          |
|                          | Role                     |
|                          | Spanning Interface Ports |
|                          | State                    |
|                          | Status                   |
| Interface                | Admin State              |
|                          | Default VLAN             |
|                          | Duplex                   |
|                          | Flow Control Status      |
|                          | Priority                 |
|                          | Link State               |
|                          | MAC Address              |
|                          | MDIX                     |
|                          | MTU                      |
|                          | Negotiation              |
|                          | Port Fast                |
|                          | Port Number              |

| Category              | Attribute Name                        |
|-----------------------|---------------------------------------|
|                       | Speed                                 |
|                       | Tagged VLANs                          |
|                       | Type                                  |
|                       | Ucast Mode                            |
|                       | unit Number                           |
|                       | Cost                                  |
|                       | Role                                  |
|                       | Status                                |
| VLAN Mapping Table    | Assignment Type                       |
|                       | Pool Status                           |
|                       | VLAN Ids                              |
|                       | VLAN Mapping Table                    |
|                       | VLAN Name                             |
| Licensed Feature      | Feature                               |
|                       | Licensed Feature                      |
|                       | Status                                |
| Authentication Server | Authentication Server                 |
|                       | Average Response Time In Milliseconds |
|                       | IP Address                            |
|                       | In Service                            |
|                       | Number Of Failed Authentications      |
|                       | Number Of Successful Authentications  |
|                       | Outstanding Requests                  |
|                       | Port                                  |
|                       | Retry Count                           |
|                       | State                                 |
|                       | TimeOut Value                         |
|                       | Type                                  |
|                       | Up Time In MilliSeconds               |
|                       | Usage Count                           |
| Controller License    | Controller License                    |
|                       | Expires                               |
|                       | Flags                                 |
|                       | Installed                             |

| Category               | Attribute Name         |
|------------------------|------------------------|
|                        | Service                |
| Access Point           | Access Point           |
|                        | Active Up Link         |
|                        | Building               |
|                        | Floor                  |
|                        | Group Name             |
|                        | Hardware Version       |
|                        | IP Address             |
|                        | Location               |
|                        | Mesh Role              |
|                        | Model Name             |
|                        | Name                   |
|                        | Number Of Radios       |
|                        | Software Version       |
|                        | Status                 |
|                        | Up Time                |
| Controller Property    | Base Mac address       |
|                        | Controller Property    |
|                        | Date                   |
|                        | Hardware Version       |
|                        | IP Address             |
|                        | Make                   |
|                        | Master IP              |
|                        | Model                  |
|                        | Name                   |
|                        | Role                   |
|                        | Serial Number          |
|                        | Software Version       |
|                        | Temperature            |
| Global Firewall Policy | Action                 |
|                        | Global Firewall Policy |
|                        | Policy                 |
|                        | Port                   |
|                        | Rate                   |

| Category               | Attribute Name                    |
|------------------------|-----------------------------------|
| AAA Profiles           | AAA Profiles                      |
|                        | Name                              |
|                        | Profile Status                    |
|                        | References                        |
| Parent Zone Name       | Parent Zone Name                  |
|                        | related Class                     |
| Interface QoS Property | Cee Map                           |
|                        | Flow Control Mode                 |
|                        | Interface QoS Property            |
|                        | Name                              |
|                        | Provisioning Mode                 |
|                        | related Class                     |
| Cee Map                | Bandwidth In Percentage           |
|                        | Cee Map                           |
|                        | PFC Status                        |
|                        | PGID                              |
|                        | Traffic Class                     |
|                        | Weight                            |
|                        | related Class                     |
| Zone Information       | Name                              |
|                        | Port ID                           |
|                        | WWN                               |
|                        | Zone Information                  |
|                        | related Class                     |
| Global LLDP Property   | Advertise Hold Time               |
|                        | Advertise Transmitted Time        |
|                        | Dcbx FCoE Priority Bits By Value  |
|                        | Dcbx iSCSI Priority Bits By Value |
|                        | Global LLDP Property              |
|                        | Mode                              |
|                        | Relnit Delay Timer                |
|                        | State                             |
|                        | Tx Delay Timer                    |
|                        | related Class                     |

| Category                 | Attribute Name                  |
|--------------------------|---------------------------------|
| Interface Media Property | Baud Rate In Units 100 megabaud |
|                          | Connector                       |
|                          | Identifier                      |
|                          | Interface Media Property        |
|                          | Name                            |
|                          | Rx Power In Watts               |
|                          | Serial Number                   |
|                          | Transceiver                     |
|                          | Tx Power In Watts               |
|                          | Vendor Name                     |
|                          | Vendor PN                       |
|                          | Wave length In Units nm         |
|                          | related Class                   |
|                          | FC Information                  |
| FC Information           |                                 |
| Fabric                   |                                 |
| Switch Role              |                                 |
| related Class            |                                 |
| FC Port Information      | FC Port Information             |
|                          | Port                            |
|                          | State                           |
|                          | related Class                   |

# Items reported from chassis

## Chassis

Table 78. Chassis attributes

| Category            | Attribute Name         |
|---------------------|------------------------|
| Temperature Sensors | Sensor Name            |
|                     | Status                 |
|                     | Reading                |
|                     | Lower Warning          |
|                     | Lower Critical         |
|                     | Upper Warning          |
|                     | Upper Critical         |
|                     | Units                  |
| Enclosures          | Bay Id                 |
|                     | FGDD                   |
|                     | Firmware Version       |
|                     | Name                   |
|                     | Rollup Status          |
|                     | Sas Address            |
|                     | Slot Count             |
|                     | Status                 |
| PCIe Adapter Slot   | PCIe Slot              |
|                     | Server Slot            |
|                     | Server Slot Name       |
|                     | Virtual Adapter        |
| PCIe Slot           | Name                   |
|                     | Power State            |
|                     | Server Slot            |
|                     | Server Slot Name       |
| SNMP Information    | SNMP Agent Enabled     |
| SNMP Trap           | Destination IP Address |

| Category                                      | Attribute Name                         |
|---|--|
|   | Enabled                                |
|   | Index                                  |
| <b>Controllers</b>                            | FGDD                                   |
|   | Firmware Version                       |
|   | Status                                 |
|   | Name                                   |
|   | Driver Version                         |
|   | Load Balance Setting                   |
|   | Cache Memory Size                      |
|   | Security Status                        |
|   | Persist Hot spare                      |
|   | Encryption Mode                        |
|   | Slot Length                            |
|   | Slot Type                              |
|   | Capable Speeds                         |
| <b>Extended Power Performance Information</b> | EPP Available Power                    |
|   | EPP Percentage Available               |
|   | EPP Status                             |
|   | EPP Used Power                         |
|   | Extended Power Performance Information |

**Table 79. Server Slots Name**

| Category              | Attribute Name   |
|-----------------------|------------------|
| <b>Server Slot</b>    | IP Address       |
|                       | Server           |
|                       | Updatable        |
|                       | iDRAC Generation |
|                       | iDRAC Version    |
| <b>Physical Disks</b> | Status           |
|                       | Rollup Status    |
|                       | State            |
|                       | Bus Protocol     |
|                       | Manufacturer     |
|                       | Product Id       |

| Category             | Attribute Name              |
|----------------------|-----------------------------|
|                      | Revision                    |
|                      | Serial Number               |
|                      | Part Number                 |
|                      | Manufactured Day            |
|                      | Manufactured Week           |
|                      | Manufactured Year           |
|                      | Power Status                |
|                      | Failure Predicted           |
|                      | Hot spare                   |
|                      | Operation State             |
|                      | Security Status             |
|                      | Current Active Controller   |
|                      | Failover Controller         |
|                      | Capable Speed               |
|                      | Negotiated Speed            |
|                      | Used Raid Disk Space        |
|                      | Available Raid Disk Space   |
|                      | Size                        |
|                      | Name                        |
|                      | Form Factor                 |
|                      | Form Factor                 |
|                      | FQDD                        |
| <b>Virtual Disks</b> | FQDD                        |
|                      | State                       |
|                      | Available Protocols         |
|                      | Write Policy                |
|                      | Enhanced Cache              |
|                      | VirtualAdapter3AccessPolicy |
|                      | Name                        |
|                      | Layout                      |
|                      | Media Type                  |
|                      | Bad Blocks Found            |
|                      | VirtualAdapter1AccessPolicy |
|                      | VirtualAdapter4AccessPolicy |



| Category            | Attribute Name               |
|---------------------|------------------------------|
|                     | Status                       |
|                     | Read Policy                  |
|                     | VirtualAdapter2AccessPolicy  |
| License             | Enabled                      |
|                     | Expire Date                  |
|                     | Feature                      |
| License Detail      | Expiration                   |
|                     | License Description          |
|                     | License Type                 |
|                     | Status                       |
| License Information | Device                       |
|                     | Device Description           |
|                     | License Status               |
| Chassis Information | Chassis Name                 |
|                     | IP Address                   |
|                     | Last Firmware Update         |
|                     | MAC Address                  |
|                     | Midplane Version             |
|                     | Primary CMC Firmware Version |
|                     | Primary CMC Location         |
|                     | Register CMC on DNS          |
|                     | Service Tag                  |
|                     | Standby CMC Firmware Version |
|                     | System Model                 |
|                     | Chassis Module State         |
| Module Name         |                              |
| Power State         |                              |
| Switch Slot         | Presence                     |
|                     | Role                         |
|                     | Service Tag                  |
|                     | Slot Name                    |
|                     | Switch Model                 |
|                     | Type                         |
| Chassis Slot        | Bios Version                 |

| Category             | Attribute Name           |
|----------------------|--------------------------|
|                      | Blade Type               |
|                      | Chassis Slot             |
|                      | Host Name                |
|                      | MezzB Model              |
|                      | MezzB Type               |
|                      | MezzC Model              |
|                      | MezzC Type               |
|                      | Presence                 |
|                      | Service Tag              |
|                      | Slot Name                |
| <b>Active Errors</b> | Message                  |
|                      | Module Id                |
|                      | Severity                 |
| <b>Event Filters</b> | Category                 |
|                      | Name                     |
|                      | Notifications            |
|                      | Severity                 |
|                      | Sub Category Description |
| <b>MAC</b>           | BMC MAC Address          |
|                      | NIC1 MAC Address         |
|                      | NIC2 MAC Address         |
|                      | Name                     |
|                      | Presence                 |
|                      | Type                     |