

# **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

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 collection settings" section in the *SupportAssist Enterprise Version 1.1 User's Guide* at [Dell.com/ServiceabilityTools](https://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 collection settings" section in the *SupportAssist Enterprise Version 1.1 User's Guide* at [Dell.com/ServiceabilityTools](https://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


## Topics:

- [Data categories](#)
- [Accessing the Summary items](#)
- [Summary items](#)
- [Accessing the System items](#)
- [System items](#)
- [Accessing the Storage items](#)
- [Storage items](#)
- [Accessing the Software items](#)
- [Software items](#)
- [Accessing the Logs](#)

## 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

**Table 1. Summary attributes (continued)**

Category	Attribute name
Error Summary	Source
	Name
	Location
	Status
Main Chassis	Server Model
	Server Service Tag
	Express Service Code
	Chassis Lock
	Server Asset Tag
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

**Table 1. Summary attributes (continued)**

Category	Attribute name
	IPv6 Address
	Subnet Mask
	MAC Address
	Default Gateway
Controller	ID
	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
		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



**Table 2. BIOS (continued)**

Category	Sub category	Attribute name
		Processor 64-bit Support
		Processor Core Speed
		Processor Bus Speed
		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 4 GB
	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
	System Security	Intel(R) AES-NI

**Table 2. BIOS (continued)**

Category	Sub category	Attribute name
		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	Asset Tag
		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

**Table 4. Hardware Performance (continued)**

Category	Sub category	Attribute 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
		Server Asset Tag
		Server Model
		Server Module Location
		Server Service Tag
		System Revision

**Table 7. Main Chassis (continued)**

Category	Sub category	Attribute name
	Additional Information	System Revision name
		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
		Core Count
		Current Speed
		Maximum Speed
		External Clock Speed
		Voltage
		State

**Table 10. Processor (continued)**

Category	Sub category	Attribute name
		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
		Cache3 Status
	CPU Detail > Virtualization Technology	Technology
		Capable
		Enabled
	CPU Detail > Hyper Threading	Technology
		Capable
		Enabled
	CPU Detail > Turbo Mode	Technology
		Capable

**Table 10. Processor (continued)**

Category	Sub category	Attribute name
	CPU Detail > Support 64-bit	Enabled
		Technology
		Capable
	CPU Detail > Demand based Switching	Enabled
		Technology
		Capable
	CPU Detail > No Execute	Enabled
		Technology
		Capable
		Enabled

## 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
		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



**Table 16. Network(s) (continued)**

Category	Sub category	Attribute name
		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
		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 (IDSDM)
		DRIVE BACKPLANE
		NIC.Integrated
		RAID.Integrated
		NIC.Slot
		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

**Table 18. Remote Access Device (continued)**

Category	Sub category	Attribute name
	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
		Input New Line Sequence
	Serial Over LAN Configuration	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
		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#) 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

Table 22. Slot Tree (continued)

Category	Sub category	Attribute name
		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

**Table 25. Power Management (continued)**

Category	Sub category	Attribute name
		Measurement Finish Time
		Reading (Amp)
		Peak Time
	Power Inventory	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, System data 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
		Encryption Key Present
		Spin Down Unconfigured Drives
		Spin Down Hot Spares

**Table 28. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		SAS Address
		Enclosure Alarm
		Configuration
	Enclosure > Enclosure Fan	Name
		Status
		Part Number
		State
		Speed
	Enclosure > Enclosure Temperature	Status
		State
		Reading (Amp)
		Minimum Warning Threshold
		Maximum Warning Threshold
		Minimum Failure Threshold
		Maximum Failure Threshold
		ID



**Table 28. Controller(s) (continued)**

Category	Sub category	Attribute name
	Enclosure > Enclosure Power Supply	Name
		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
		Hot Spare
		Progress
		Mirror Set ID
		Model Number
		Vendor
		Part Number
		Maximum Capable Speed
		SAS Address
		Negotiated Speed

**Table 28. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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)

**Table 28. Controller(s) (continued)**

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
		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

**Table 28. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 29. SATA Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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
		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

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
	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
	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	Address And Socket
		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

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
		Driver Path
		DHCP Enabled
		DHCP Server
		DHCP Lease Expires
		IPv4 Address
		IPv6 Address
		IP Subnet
		IP Enabled
		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



**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
	Component > Storage Disk(s)	Index
		Manufacturer
		Provider Name Model
		Bytes Per Sector
		Media Loaded
		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

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
		Installed Drivers
		Color Planes
	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
		Full Name

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
	Environment > Driver	System Variable
		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
		Install Date
		Publisher
		URL Information
	Logs > Application Log	Type

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
		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)
		Server Instrumentation WMI Module
	Internet Explorer	svcVersion
		MkEnabled
		Build
		Version
		Windows Version

**Table 31. Operating System (continued)**

Category	Sub category	Attribute name
		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
	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:</b> Lifecycle Controller Logs are available only on devices that you have added in SupportAssist Enterprise by selecting the <b>Device Type</b> as <b>iDRAC</b> .

# Items reported from servers running Linux

## Topics:

- [Data categories](#)
- [Accessing the Summary items](#)
- [Summary items](#)
- [Accessing the System items](#)
- [System items](#)
- [Accessing the Storage items](#)
- [Storage items](#)
- [Accessing the Software items](#)
- [Software items](#)
- [Accessing the Logs](#)
- [Logs](#)

## 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

**Table 33. Summary attributes (continued)**

Category	Attribute name
Error Summary	Name
	Location
	Status
Main Chassis	Server Model
	Server Service Tag
	Express Service Code
	Chassis Lock
	Server Asset Tag
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



**Table 33. Summary attributes (continued)**

Category	Attribute name
	Subnet Mask
	MAC Address
	Default Gateway
Controller	ID
	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

**Table 34. Main Chassis (continued)**

Category	Sub category	Attribute name
		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
		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
	Processor Setting	Logical Processor
		QPI Speed
		Alternate RTID (Requestor Transaction ID) Setting
		Virtualization Technology

**Table 36. BIOS (continued)**

Category	Sub category	Attribute name
		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
		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>

**Table 36. BIOS (continued)**

Category	Sub category	Attribute name
		Turbo Boost
		C States
		C1E
		Collaboration CPU Performance Control
		Monitor/Mwait
	Miscellaneous Setting	Asset Tag
		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
		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

**Table 36. BIOS (continued)**

Category	Sub category	Attribute name
	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	Cache1 Maximum Size

**Table 38. Processor(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 38. Processor(s) (continued)**

Category	Sub category	Attribute name
	Processor(s) > CPU Detail > No Execute	Enabled
		Technology
		Capable
	Processor(s) > CPU Detail > Turbo Mode	Enabled
		Technology
		Capable
		Enabled
		Technology
		Capable

## Fan

**Table 39. Fan**

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



**Table 42. Component Detail (continued)**

Category	Sub category	Attribute name
		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
	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
		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

**Table 47. Network(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 47. Network(s) (continued)**

Category	Sub category	Attribute name
		Type
		Connection Status
		DHCP Server
		Default IPv6 Gateway
		DHCPv6 Server
		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
		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

**Table 47. Network(s) (continued)**

Category	Sub category	Attribute name
		Received FCS Errors
		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
		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

**Table 47. Network(s) (continued)**

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
	Remote Access Device > Serial Over LAN Configuration	Channel Number
		Baud Rate
		Minimum privileges required
		Serial Over LAN Configuration
		Retry Count

**Table 51. Remote Access Device (continued)**

Category	Sub category	Attribute name
		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



**Table 53. Slot (continued)**

Category	Sub category	Attribute name
		Voltage Supply
		Shared Slot
		Card Bus
		Modem Ring Resume
		Zoom Video
		PC Card-16
		Power Management Enable (PME#) 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
		System Peak Head Room
	Power Tracking Statistics	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
		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

**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		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
	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

**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		PICO
		TLSC
		LMTP
		IMLLMMH
		POHFREE
		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



**Table 59. Controller(s) (continued)**

Category	Sub category	Attribute name
		PCIe Negotiated Link Width
		Device 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
	Component > Software Storage > iSCSI Detail(s) > iSCSI Session(s)	Session ID
		Initiator Node Name
		Target Node Name

**Table 62. Operating System (continued)**

Category	Sub category	Attribute 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
	Component > Software Storage > iSCSI Detail(s) > Portal Data	Initiator Version
		Portal Address
		Portal Port Number
	Resource > IRQ	IRQ Number
		Device
		Interrupts Per CPU
		Type

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
	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
		RX Errors
		RX Dropped
		RX Overruns
		RX Frame
		TX Packets
		TX Errors
		TX Dropped
		TX Overruns
		TX Carrier
		Collisions

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
		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
		Date Of Modification
		Rights
		Number
		Owner
		User
		FileDate
		Process
		default=0
		Value
	Component > Startup > Boot List	Inode
		Rights
		Number
		Owner
		User
		Size
		File Date

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
	Component > Startup > Device Map List	Process
		Name
	Component > Display(s) > Server Layout	Value
		Name
		Value
		Identifier
	Component > Display(s) > Files	Screen
		Name
		Module Path
		Value
	Component > Display(s) > Module	Font Path
		Name
	Component > Display(s) > Input Device	Value
		Identifier
		Name
	Component > Display(s) > Monitor	Value
		Identifier
		Name
		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

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
	Component > USB Controller(s) > USB Root Hub(s) > USB Detailed info	Version
		Bus
		Device
		bLength
		bDescriptorType
		bcdUSB
		bDeviceClass
		bDeviceSubClass
		bDeviceProtocol
		bMaxPacketSize0
		idVendor
		idProduct
		bcdDevice
		iManufacturer
		iProduct
		iSerial
		bNumConfigurations
		Configuration
		bLength
		bDescriptorType
		wTotalLength
		bNumInterfaces
		bConfigurationValue
		iConfiguration
		bmAttributes
		Self
		Remote
		MaxPower
		Interface
		bLength
		bDescriptorType
		bInterfaceNumber
		bAlternateSetting
		bNumEndpoints
		bInterfaceClass
		bInterfaceSubClass
		bInterfaceProtocol



**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
		Interface
		Endpoint
		bLength
		bDescriptorType
		bEndpointAddress
		bmAttributes
		Transfer
		Synch
		Usage
		wMaxPacketSize
		bInterval
		Hub
		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

**Table 62. Operating System (continued)**

Category	Sub category	Attribute name
	Environment > Drivers > Drivers	Name
		Module Path
	Environment > Process	Command
		PID
		CPU
		Memory
		RSS
		VSZ
		Time
		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

**Table 63. OpenManage (continued)**

Category	Sub category	Attribute name
		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
		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

**Table 66. iDRAC (continued)**


Category	Sub category	Attribute name
		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	✓	✗	✓
Additional Information	✓	✗	✓

**Table 67. Items reported in periodic collections (continued)**

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	
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	✓	✗	✓
iDRAC User Privilege	✓	✗	✓
DRAC User Privilege	✓	✗	✗
Serial Port Configuration	✓	✗	✓

**Table 67. Items reported in periodic collections (continued)**

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	
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 is installed on the server.



# Items reported from storage devices

## Topics:

- EqualLogic storage arrays
- Storage Center (SC) / Compellent storage arrays
- PowerVault MD Series storage arrays

## 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	Alert Email List
	CLI Telnet Access
	Capacity GB
	Compression Scan Freq
	Default Sector Size
	Default Snapshot Delete Policy
	Default Snapshot Size

**Table 68. Attributes (continued)**

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
	Source Email Domain
	Source Email User Name
	Storage Container Compressed Space Used

**Table 68. Attributes (continued)**

Category	Attribute Name
	Storage Container Count
	Storage Container Snap Count
	Storage Container Space Reserved
	Storage Container Volume Count
	Storage Container Volume Online
	Support Email Contact
	Sys log Address List
	Sys log 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
	Member Version
	No Of Disks
	Pool Name
	RAID Operation Percent Complete
	Raid
	Raid Status

**Table 68. Attributes (continued)**

Category	Attribute Name
	Serial Number
	Service Tag
	Status
	Virtual Storage
<b>Controller</b>	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
<b>Disk</b>	Member Name
	Serial Number
	Size
	Disk Slot
	Model
	Firmware Revision
	Error
	Disk RPM
	Type
	State
	Sector Size
<b>Volume</b>	ACL
	Chap Users
	IP Address
	Initiator Names
	Is Volume Deleted
	Is Volume Sync Replicated
	Multi Access
	Number Of Connections

**Table 68. Attributes (continued)**

Category	Attribute Name
	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
<b>Access Rule</b>	Access Rule
	Description
	Rule Name
	Rule Type
	Rule Type Description
	Volume Association
<b>Volume Association</b>	Rule Type
	Volume
<b>San HQ</b>	Domain Name
	IP Address
	Last Accessed
	San HQ
	Server Name
	Status
	SupportAssist
	SupportAssist Last Accessed

**Table 68. Attributes (continued)**

Category	Attribute Name
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
	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	IP Address

**Table 68. Attributes (continued)**

Category	Attribute Name
	ID
	Type
<b>Network</b>	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
	Status
<b>Network DCB</b>	Current CN State
	Current DCB State
	Current ETS State
	Current Operating ModeCE
	Current PFC State
	DCB VLAN ID
	ETS Local Traffic Bandwidth
	ETS Remote Traffic Bandwidth
	FCoE TLV Received Value
	Local System ETS Willing
	Local System PFC Willing
	PFC Enabled On Pri4
	Pri4 Traffic Class Group
	Remote System ETS Willing
	iSCSI TLV Received Value
<b>Network SFP</b>	SFP Bit Rate Gbps
	SFP Connector Type

**Table 68. Attributes (continued)**

Category	Attribute Name
	SFP Date Code
	SFP Firmware Version
	SFP Identifier
	SFP Interface Index
	SFP Length1 Meters
	SFP Length2 Meters
	SFP Mode
	SFP Part Number
	SFP Serial Number
	SFP Status
	SFP Vendor Name
<b>Sync-Replicated Volumes</b>	Active Pool Name
	Alternate Pool Name
	Sync Rep Volumes
	Sync Replication Status
<b>Storage Container</b>	Container Name
	Description
	Logical Free
	Logical Limit
	Logical Used
	Lookup Name
	Physical Free
	Physical Used
<b>Deleted Volume</b>	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



**Table 68. Attributes (continued)**

Category	Attribute Name
	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
	Volume Sync Status
Inter Array Ping Test	Source Group Lead Member Name
	Source Interface Name
	Source IP Address
	Source Port Role
	Source Physical Address
	Source Speed
	Source MTU
	Destination Member Name
	Destination Interface Name
	Destination IP Address
	Destination Port Role
	Destination Physical Address
	Destination Speed
	Destination MTU
	Ping Test Result

## Storage Center (SC) / Compellent storage arrays

**Table 69. Storage Center (SC) / Compellent storage Array Attributes**

Category	Attribute Name
Volume Folder	Name
Volume	Disk Folder
	Index

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	Name
	Replay Profile
	Serial Number
	Size
	Status
	Storage Profile
	Storage Type
<b>Replay Profile</b>	Index
	Name
<b>Schedule</b>	Expiration
<b>Storage Profile</b>	Index
	Name
<b>Mapped Servers</b>	Name
<b>Mapping Details</b>	Controller Port
	LUN
	Read Only
	Server Port
	Status
	Type
<b>Volumes</b>	Disk Folder
	Logical Size
	Name
	Storage Type
	Volume Type
<b>Server Info</b>	Active Controller
	Cluster
	Connectivity
	Index
	Name
	Operating System
	Type
<b>Server HBAs</b>	Connected Controller Ports
	Connectivity
	Server Port
	Status
	Type
<b>Mapped Volumes</b>	Volume Name

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
<b>Server</b>	Server
<b>Server Folder</b>	Name
<b>Qos Definition</b>	Destination Maximum Number of IOs
	Destination Maximum Number of Sectors
	Global Maximum Number of IOs
	Global Maximum Number of Sectors
	Global Maximum Sectors Per IO
	IOs Per Second
	KBs Per Second
	Link Speed
	Maximum IO Per Queue
	Maximum Sectors Per Queue
	Minimum Percent Limit
	Name
<b>Remote Volumes</b>	Disk Index
	Name
	Size
<b>Storage Center</b>	Allow Asynchronous Replication
	Connection Status
	Name
	Serial No
	Type
<b>Alert</b>	Active Controller
	Category
	Controller Index
	Create Time
	Message
	Modify Time
	Name
	Root Cause Object
	Status
	Type
<b>License</b>	Enabled
	Expire Date
	Feature
<b>Controller</b>	Domain Name
	Eth0 Gateway

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	Eth0 NetMask
	IP Address
	Last Boot Time
	Leader
	Local Port Condition
	Memory
	Model
	Name
	Primary DNS Server
	Secondary DNS Server
	Serial Number
	Service Tag
	Status
	Version
<b>Fan</b>	Name
	Status
<b>Power Supply</b>	AC Lost
	Failure
	Name
	Present
	AC Failure
	DC Failure
	DC Ovr Volt
	DC Undr Volt
	High Temp Fail
	High Temp Warns
	Name
	Position
	Status
	Swap Detected
<b>Cache Card</b>	Cache size
	Firmware Version
	Model
	Service date
	Status
<b>iSCSI IO Card</b>	Description
	Fault Domain

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	IP Address
	Mac Address
	Name
	Port Number
	Purpose
	Slot
	Slot Port
	Slot Type
	Speed
	Status
	World Wide Name
	iSCSI Name
	iSCSI Target Alias
<b>SAS IO Card</b>	Description
	Fault Domain
	Name
	Purpose
	Slot
	Slot Port
	Slot Type
	Status
	World Wide Name
<b>FC IO Card</b>	Description
	Device Type
	Fault Domain
	Mac Address
	Name
	Slot
	Slot Port
	Slot Type
	Speed
	Status
	World Wide Name
<b>iSCSI Virtual Port</b>	Current Physical Port
	Fault Domain
	Name
	Slot Type

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	Status
	World Wide Name
	iSCSI Name
<b>FC Virtual Port</b>	Current Physical Port
	Fault Domain
	Status
	Transport Type
	World Wide Name
<b>BMC Setting</b>	BIOS Major
	BIOS Minor
	BIOS Vendor
	BMC Gateway
	BMC IP Address
	BMC Netmask
	Bmc Firmware Major
	Bmc Firmware Minor
	IDRAC Firmware Version Number Current
	IDRAC Firmware Version Number Previous
<b>NTP Server</b>	Current Time
	Current Time Stamp
	DST Offset
	DST Offset Sign
	Day
	Daylight
	Generate Zone Indication
	Hour
	Minute
	Month
	SDT Offset
	SDT Offset Sign
	Second
	Status
	Status Change Time
	Year
	Zone
<b>DCBx</b>	Current DCB State
	Current ETS State

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	Current PFC State
	DCB App Default Vlan
	DCB App iSCSI Vlan
	DCB Default Priority
	DCB iSCSI Priority
	ETS Bandwidth Received
	LLDP Internal State
	PFC Enabled On Priority3
	PFC Enabled On Priority4
	Port
	Slot
	Traffic Class Group
	Transmission Selection Algorithm O ETS
Domain	Fault Domain Type
	Gateway IPv4 Address
	Index
	MTU
	Name
	SubNet Mask
	Target IPv4 Address
	Transport Type
	VLAN ID
	iSCSI Name
	iSCSI Transport Mode
Physical Port	Controller
	Description
	Fault Domain
	Gateway Ipv4 Address
	Ipv4 Address
	Name
	Purpose
	Slot
	Slot Port
	Speed
	Status
	Subnet Mask
	World Wide Name

**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
Virtual Port	iSCSI Name
	Controller
	Current Physical Port
	Name
Storage	Preferred Physical Port
	Storage
System	Management IP
	Name
	Read Cache Setting
	Read Cache Status
	Storage Center Id
	Write Cache Setting
	Write Cache Status
Enclosure	Aside Firmware
	Bside Firmware
	Critical Condition
	Logical Id
	Model
	Name
	Non Critical Condition
	Revision
	Shelf Id
	Unrecoverable Condition
IO Module	Name
	Phy Lane Status
	Position
	Status
	Swap Detected
Disk	ByPassA Side
	ByPassB Side
	Enclosure
	Fault Sensed
	Indicator
	Position
	Product
	Status
	Swap Detected



**Table 69. Storage Center (SC) / Compellent storage Array Attributes (continued)**

Category	Attribute Name
	Vendor
	Disk
<b>Disks Folder</b>	Name
<b>Drive</b>	Actual Capacity
	Bad Block Count
	Classification
	Control Type
	Enclosure
	Folder
	Free Space
	Health
	Index
	Path Alert
	Position
	Product
	Revision
	Serial Number
	Status
	System Allocated Blocks
	Total Block Count
	Type
	Unallocated Block Count
	User Allocated Blocks
	Vendor
	Vendor Specification

## PowerVault MD Series storage arrays

**Table 70. PowerVault MD Series storage array logs**

Category	Attribute Name
<b>Cache Back Up Device</b>	Capacity
	Date Of Manufacture
	Location
	Manufacturer
	Part Number
	Product ID
	Revision Level

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Serial Number
	Status
	Type
Disk Group	Capacity
	Current Owner
	Enclosure Loss Protection
	Physical Disk Type
	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

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Status
<b>Default Host Group</b>	Host Group Name
<b>Host On Default Host Group</b>	Alias
	CHAP Secret
	Host Name
	Host Type
	Initiator
	Interface Type
	Label
<b>Host Virtual Disk</b>	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
<b>Host Thin Virtual Disk</b>	Capacity
	Current Owner
	Dynamic Cache Read Prefetch
	Enable Background Media Scan
	Enclosure Loss Protection
	Flush Write Cache After

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	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
	Associated Disk Group
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
Fan	Location
	Status
SFP	Attached To
	Connector
	Data Rate
	IEEE ID
	Link Length
	Location

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	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 ID
	Topology
	World Wide Node Identifier
	World Wide Port Identifier
Host Group Thin Virtual Disk	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

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Virtual Disk World Wide Identifier
	Write Cache
	Write Cache With Mirroring
	Write Cache With Out Batteries
<b>Power Supply</b>	Date Of Manufacture
	Location
	Serial Number
	Status
	Vendor
	Part Number
<b>Physical Disk</b>	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
	Vendor
	World Wide Identifier
<b>Port Channel Connection</b>	Channel ID
	Port ID
<b>Accessible Host</b>	Host Name
	LUN
<b>iSCSI Host Port</b>	Current Port Speed
	Duplex Mode
	Duplicate Address Detection Transmit Count
	Hop Limit
	ICMP Ping Responses
	IPV4

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	IPV4 Gateway
	IPV4 IP Address
	IPV4 Network Configurations
	IPV4 Priority
	IPV4 Subnet Mask
	IPV4 VLAN 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
	VLAN
	VLAN ID
<b>V2 Hot Spare General Info</b>	List Virtual Disk Groups Not Protected
	Total Hot Spare Physical Disks
	Total In Use Hot Spare Disks
	Total Stand By Hot Spare Disks
<b>Storage</b>	Storage
<b>V2 Enclosure</b>	Current Physical Disk Type
	Enclosure ID
	Service Tag
	Chassis Name
<b>Controller</b>	Auto Id
	Enclosure
	Firmware Version
	NVSRAM Version
	Product ID

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Slot
	Status
<b>Ethernet Information</b>	Gateway
	IP Address
	MAC Address
	Network Configuration
	Port Number
	Status
	Subnet Mask
<b>Data Cache</b>	Total Present
	Total Used
<b>General Section</b>	Cache Block Size
	Current Physical Disk Type
	Firmware Version
	NVSRAM 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 Snap Shots Allowed Per Source Virtual Disk
	Number Of Snap Shots Used
	Number Of Standard Virtual Disks
	Number Of Thin Virtual Disks Allowed



**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	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
	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
<b>Processor Cache</b>	Total Present
<b>V2 ISCSI</b>	Chap Secret Defined
	Disallow UNNamed Discovery Sessions
	IPV4 Address
	IPV4 Configuration
	IPV6 Address
	ISNS Server Registration
	TCP Listening Port
	Target Alias
	Target Authentication
	Target Name
<b>Host Port</b>	Channel ID
	Current Data Rate
	Max Data Rate
	Port ID
	Port Type
	Status
	WWN
<b>Local Virtual Disk Info</b>	Capacity

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Name
	Role
	Virtual Disk World Wide Identifier
Remote Virtual Disk Info	Capacity
	Name
	Remote Storage Array
	Role
	Virtual Disk World Wide Identifier
Replicated Pairs	Name
	State
	Write Mode
	Synchronization Priority
	Resynchronization
Replicated Pairs > Local Virtual Disk Information	Name
	Role
	Capacity
	Virtual Disk World Wide Identifier
Replicated Pairs > Remote Virtual Disk Information	Name
	Role
	Capacity
	Virtual Disk World Wide Identifier
Virtual Disk	Name
	Virtual Disk World Wide Identifier
	Capacity
	Read Cache
	Dynamic Cache Read Prefetch
	Enclosure Loss Protection
	Modification Priority
	Segment Size
	Virtual Disk Status
	RAID Level
	Write Cache
	Write Cache With Mirroring
	Write Cache Without Batteries
	Enable Background Media Scan
	Media Scan With Consistency Check
	Current Owner

**Table 70. PowerVault MD Series storage array logs (continued)**

Category	Attribute Name
	Preferred Owner
	SSID
	LUN
	Flush Write Cache After (Seconds)
	Physical Disk Type
	Associated Disk Group
<b>Default Group Virtual Disk</b>	Name
	Virtual Disk World Wide Identifier
	Capacity
	Read Cache
	Dynamic Cache Read Prefetch
	Enclosure Loss Protection
	Modification Priority
	Segment Size
	Virtual Disk Status
	RAID Level
	Write Cache
	Write Cache With Mirroring
	Write Cache Without Batteries
	Enable Background Media Scan
	Media Scan With Consistency Check
	Current Owner
	Preferred Owner
	SSID
	LUN
	Flush Write Cache After (Seconds)
	Physical Disk Type
<b>Host Group Virtual Disk</b>	Name
	Virtual Disk World Wide Identifier
	Capacity
	Read Cache
	Dynamic Cache Read Prefetch
	Enclosure Loss Protection
	Modification Priority
	Segment Size
	Virtual Disk Status
	RAID Level

Table 70. PowerVault MD Series storage array logs (continued)

Category	Attribute Name
	Write Cache
	Write Cache With Mirroring
	Write Cache Without Batteries
	Enable Background Media Scan
	Media Scan With Consistency Check
	Current Owner
	Preferred Owner
	SSID
	LUN
	Flush Write Cache After (Seconds)
	Physical Disk Type
	Associated Disk Group

# Items reported from networking devices

## Topics:

- [Force10 or Networking](#)
- [PowerConnect or Networking](#)

## Force10 or Networking

**Table 71. 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
	System MAC

**Table 71. Attributes (continued)**

Category	Attribute Name
	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
	Service Tag
	Switch Status
	Unit Number
	Up Time

**Table 71. Attributes (continued)**

Category	Attribute Name
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
PVST	When
	Bridge ID Address
	Bridge ID Priority
	Root ID Address
	Root ID Priority
	VLAN ID

**Table 72. Data center Bridging**

Category	Attribute Name
Spanning Tree Interface	Cost
	Name
	Port ID
	Priority
	Status
	Role
LACP Port Channel	LACP Indicator
	LAG
	Related Class
Line Card Information	Burned In MAC
	Card Number

**Table 72. Data center Bridging (continued)**

Category	Attribute Name
	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
	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



**Table 72. Data center Bridging (continued)**

Category	Attribute Name
	Express Service Code
	PPID Revision
	Part Number
	Piece Part ID
	Product Revision
	Serial Number
	Service Tag
	Vendor ID
<b>Debug Information</b>	Protocol
	Status
<b>Line Card Temperature</b>	Card Number
	Temperature
	Voltage Status
<b>TC Group</b>	Bandwidth
	Priority
	TC Group
	TSA
<b>Minor Alarm</b>	Alarm Type
	Duration
<b>Port Channel</b>	Channel Group
	Description
	MAC Address
	Ports
<b>Inventory Media Information Non Qualified</b>	Force10 Qualified
	Media
	Media Type
	Port Number
	Serial Number
	Slot Number
<b>LACP Port Counters Information</b>	Actor Admin State
	Actor System Admin Key
	Actor System Priority
	Illegal PktsRx
	LACPPDURx
	LACPPDUTx
	LACP State
	Marker PDURx

**Table 72. Data center Bridging (continued)**

Category	Attribute Name
	Marker PDUTx
	Port Mode
	Port Number
	Port Operational State
	Port Operational Key
	Port Operational Priority
	Port State
	Unknown PktsRx
<b>NTP Status</b>	Clock Synchronization
	Time
<b>Port Extender</b>	Current number of Port Extender units in the system
	Maximum number of Port Extender Units allowed
<b>ETS Summary</b>	Conf TLVTx Status
	ETSDCBX Operation Status
	Interface Name
	Reco TLVTx Status
<b>CSP Info</b>	Local Req Sem Status
	PEID
	Remote Req Sem Status
	RxPDU Sem Status
	TxPDU Sem Status
<b>Stack Unit Details</b>	Port Extender ID
	Stack ID
<b>Networking</b>	Hardware Rev
	IP Address
	Make
	Members
	Spanning Tree
	Stack Status
	Update Switch Version
	Virtual IP Address
<b>Security Information</b>	Enable Secret
	Logging FTP Server
	SNMP Notification
<b>Configuration Management Information</b>	Default Gateway
	IP Address
<b>VLAN</b>	IP Address

**Table 72. Data center Bridging (continued)**

Category	Attribute Name
	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
	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

**Table 72. Data center Bridging (continued)**

Category	Attribute Name
	Reason
	Stack ID
	Status
	Type
	Unit Mac
<b>Statistics Info</b>	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
<b>Alarm Threshold Information</b>	Alarm Threshold Information
	Major
	Major Off
	Minor
	Minor Off
	Particulars
	Shutdown

**Table 73. Stack Port**

Category	Attribute Name
<b>Fan Status</b>	Bay
	Fan0
	Fan0 Speed
	Fan1
	Fan1 Speed
	Tray Status
	Unit
<b>STP</b>	Bridge ID Address
	Bridge ID Priority
	Root ID Address
	Root ID Priority
<b>Temperature Sensor</b>	Temperature
	Voltage Status
<b>Power Supply</b>	Bay
	Power Supply

**Table 73. Stack Port (continued)**

Category	Attribute Name
	Status
<b>Out Of Band Management</b>	IP Address
	Port
<b>Fan</b>	Bay
	Fan0 Speed
	Fan0 Status
	Fan1 Speed
	Fan1 Status
	Fan2 Speed
	Fan2 Status
	Fan3 Speed
	Fan3 Status
<b>Redundancy Info</b>	Auto Data Sync
	Auto fail over limit
	Auto reboot Port Extender
	Fail over Count
	Fail over Type
	Last fail over Reason
	Last fail over timestamp
	Last fail over 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
<b>Stack Ports Info</b>	Admin Status
	Connection
	Interface
	Link Speed In Gbps
	Link Status
<b>Fan Tray</b>	Bay
	Fan0 Speed
	Fan0 Status
	Fan1 Speed

**Table 73. Stack Port (continued)**

Category	Attribute Name
	Fan1 Status
	Fan2 Speed
	Fan2 Status
	Fan3 Speed
	Fan3 Status
	Unit

**Table 74. Stack Port Interfaces**

Category	Attribute Name
<b>Interface</b>	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
	Unit Number
	VLAN
	Wavelength
<b>Power Supply Port Extender</b>	Bay
	Fan Speed
	Fan Status
	Status
	Type
	Unit
<b>PE Error Info</b>	PE Errors Info
	Port Extender ID
	Port Extender MAC

# PowerConnect or Networking

Table 75. 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
	Root ID Path Cost
	Root ID Priority
	Root Port
	Spanning Tree Ports

**Table 75. Attributes (continued)**

Category	Attribute Name
<b>Spanning Tree Root Port</b>	Spanning Tree VLANs
	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
<b>STP</b>	Bridge ID Address
	Bridge ID Priority
	MST
	MST ID
	Root ID Address
	Root ID Path Cost
	Root ID Priority
	Root Port
	Spanning Tree VLANs
<b>RSTP</b>	Bridge ID Address
	Bridge ID Priority
	ID
	MST ID
	Root ID Address
	Root ID Path Cost
	Root ID Priority
	Root Port
	Spanning Tree VLANs
<b>MST</b>	Bridge ID Address
	Bridge ID Priority



**Table 75. Attributes (continued)**

Category	Attribute Name
	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
	MTU
	Negotiation
	Negotiation
	Port Fast Interface
	Port Number
	Speed
	Type
	Ucast Mode
VLAN	Name
	Ports

**Table 75. Attributes (continued)**

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

**Table 76. Data Center Bridging**

Category	Attribute Name
Port Aggregator	Default VLAN
	Group ID

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
	Group VLAN
	Port Aggregator
	Ports
<b>Traffic Class Group Traffic Class Mapping</b>	Traffic Class
	Traffic Class Group
	Traffic Class Group Traffic Class Mapping
<b>Priority Flow Control</b>	Drop Priorities
	No Drop Priorities
	Operational Status
	Port
	Priority Flow Control
<b>Spanning Tree Active Name</b>	Name
	Spanning Tree Active Name
<b>iSCSI</b>	COS
	DSCP
	Enabled
	VPT
	iSCSI
<b>LLDP Remote</b>	Capabilities
	Chassis ID
	LLDP Remote
	Local Interface
	Peer DCBX Version
	Port
	Port ID
	System Name
	TTL
<b>Spanning Tree Active</b>	BPDU Flooding
	Port Fast
	Spanning Tree Active
	Spanning Tree Mode
	Status
<b>Stacking Front Port</b>	Admin Status
	Configured Stack Mode
	Interface
	Link Speed Gb per second
	Link Status

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
	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
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

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
<b>Fan</b>	Fan
	Fan1
	Fan2
	Fan3
	Fan4
	Fan5
	Name
	Status
<b>Traffic Class User Priority Mapping</b>	Traffic Class
	Traffic Class User Priority Mapping
	User Priority
<b>Port Channel</b>	Channel
	Channel Group
	Hash Algorithm Type
	MAC Address
	Name
	Port Channel
	Ports
<b>Slot</b>	Admin State
	Configured Card Model ID
	Pluggable
	Power State
	Slot
	Slot Name
	Slot Number
	Status
	Unit
<b>Spanning Interface Ports</b>	Cost
	Name
	Port Fast
	Priority Number
	Restricted Port
	Role
	Spanning Interface Ports
	State
	Status
<b>Interface</b>	Admin State

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
	Default VLAN
	Duplex
	Flow Control Status
	Priority
	Link State
	MAC Address
	MDIX
	MTU
	Negotiation
	Port Fast
	Port Number
	Speed
	Tagged VLANs
	Type
	Ucast Mode
	Unit Number
	Cost
	Role
	Status
<b>VLAN Mapping Table</b>	Assignment Type
	Pool Status
	VLAN IDs
	VLAN Mapping Table
	VLAN Name
<b>Licensed Feature</b>	Feature
	Licensed Feature
	Status
<b>Authentication Server</b>	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

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
	Time Out Value
	Type
	Up Time In Milliseconds
	Usage Count
<b>Controller License</b>	Controller License
	Expires
	Flags
	Installed
	Service
<b>Access Point</b>	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
<b>Controller Property</b>	Base Mac address
	Controller Property
	Date
	Hardware Version
	IP Address
	Make
	Master IP
	Model
	Name
	Role
	Serial Number
	Software Version
	Temperature

**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
Global Firewall Policy	Action
	Global Firewall Policy
	Policy
	Port
	Rate
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
	Reinit Delay Timer
	State



**Table 76. Data Center Bridging (continued)**

Category	Attribute Name
	Tx Delay Timer
	Related Class
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
	Wavelength In Units nm
	Related Class
FC Information	Domain ID
	FC Information
	Fabric
	Switch Role
	Related Class
FC Port Information	FC Port Information
	Port
	State
	Related Class

# Items reported from chassis

## Chassis

**Table 77. Chassis attributes**

Category	Attribute Name
<b>Active Error</b>	Message
	Module ID
	Severity
<b>Assigned MAC and WWN Address</b>	BMC MAC Address
	NIC1 MAC Address
	NIC2 MAC Address
	Name
	Presence
	Type
<b>Chassis</b>	Chassis
<b>Chassis Information</b>	Standby CMC Firmware Version
	System Model
	Chassis Name
	Health
	IP Address
	Last Firmware Update
	MAC Address
	Midplane Version
	Primary CMC Firmware Version
	Primary CMC Location
	Register CMC on DNS
	Service Tag
<b>Chassis Module State</b>	Health
	Module Name
	Power State
<b>Chassis Slot</b>	BIOS Version
	Blade Type
	Host Name
	Mezz B Model
	Mezz B Type

**Table 77. Chassis attributes (continued)**

Category	Attribute Name
	Mezz C Model
	Mezz C Type
	Presence
	Service Tag
	Slot Name
<b>Controller</b>	Cache Memory Size
	Capable Speeds
	Driver Version
	Encryption Mode
	FQDD
	Firmware Version
	High Availability Mode
	Load Balance Setting
	Name
	Persist Hotspare
	Security Status
	Slot Length
	Slot Type
	Status
<b>Device License</b>	Device License
<b>Enclosure</b>	Bay ID
	FQDD
	Firmware Version
	Name
	Rollup Status
	Sas Address
	Slot Count
	Status
<b>Event Filter</b>	Category
	Name
	Notifications
	Severity
	Sub Category Description
<b>Extended Power Performance Information</b>	EPP Available Power
	EPP Percentage Available
	EPP Status
	EPP Used Power

**Table 77. Chassis attributes (continued)**

Category	Attribute Name
<b>Fan</b>	Health
	Power State
	Presence
	Reading
	Slot
<b>License Detail</b>	Expiration
	License Description
	License Type
	Status
<b>License Information</b>	Device
	Device Description
	License Status
<b>PCIe Adapter Slot</b>	PCIe Slot
	Server Slot
	Server Slot Name
	Virtual Adapter
<b>PCIe Slot</b>	Name
	Power State
	Server Slot
	Server Slot Name
<b>Physical Disk</b>	Available RAID Disk Space
	Bus Protocol
	FQDD
	Failure Predicted
	Form Factor
	Hotspare
	Manufacturer
	Media Type
	Name
	Negotiated Speed
	Part Number
	Position
	Power Status
	Product ID
	Revision
	Serial Number
	Size

**Table 77. Chassis attributes (continued)**

Category	Attribute Name
	State
	Status
	Used RAID Disk Space
<b>Power Summary</b>	Health
	Idle Power
	Input Power
	Minimum Power
	Peak Power
	Potential Power
	Redundancy
<b>Power Supply</b>	Health
	Model
	Output Power
	Power Supply
	Presence
	Slot
<b>SNMP Information</b>	SNMP Agent Enabled
<b>SNMP Trap</b>	Destination IP Address
	Enabled
	Index
<b>Server Name</b>	Server
<b>Server Slot</b>	IP Address
	Server
	USC Version
	Updatable
	iDRAC Generation
	iDRAC Version
	iDRAC Gateway
	iDRAC Net Mask
<b>Switch Slot</b>	Health
	Power State
	Presence
	Role
	Service Tag
	Slot Name
	Switch Model
	Type

**Table 77. Chassis attributes (continued)**

Category	Attribute Name
Temperature Sensor	Lower Critical
	Lower Warning
	Reading
	Sensor Name
	Status
	Units
	Upper Critical
	Upper Warning
Virtual Disk	Available Protocols
	Bad Blocks Found
	Enhanced Cache
	FQDD
	Layout
	Media Type
	Name
	Read Policy
	Secured
	Size
	State
	Status
	Virtual Adapter1 Access Policy
	Virtual Adapter2 Access Policy
	Virtual Adapter3 Access Policy
	Virtual Adapter4 Access Policy
	Write Policy