




Dell SupportAssist Version 1.3 for Servers Reportable Items for Linux



Notes, cautions, and warnings

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

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Introduction


Dell SupportAssist for Servers is an application that enables automated support from Dell by proactively identifying hardware issues in Dell devices. By default, SupportAssist collects system information periodically from each monitored 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 is configured to collect system information from Dell PowerEdge servers once a month.
- On case creation — When a support case is created for an issue that has been identified by SupportAssist.

 **NOTE:** When an issue is detected on devices with a Basic Support entitlement, SupportAssist does not create a support case. However, system information is collected and sent to Dell.

- On demand — If requested by the Dell Technical Support agent to manually initiate the collection of system information from a device.

 **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 “Configuring data collection settings” in the *Dell SupportAssist Version 1.3 for Servers User’s Guide*.

 **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 monitored devices. For more information, see “Configuring data collection settings” in the *Dell SupportAssist Version 1.3 for Servers User’s Guide*.


The collected system information is saved in a secured database on the system on which SupportAssist is installed. You can view the collected system information through the configuration viewer available in SupportAssist.


This document provides the list of attributes that may be available in the data collected by SupportAssist from devices that are running a Linux operating system.

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 by using the operating system IP address or the host name does not have Dell OpenManage Server Administrator (OMSA) installed, System and Storage items will not be available in periodic collections from that device.

 **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.

Accessing the Summary items

To access the Summary items:

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

Summary items

Summary

Table 1. Summary attributes

Category	Attribute name
Collection Settings	Options
	Identification Shared With Dell
	Mode
	Source
Error Summary	Name
	Location
	Status
Main Chassis	Server Model
	Server Service Tag
	Express Service Code
	Chassis Lock
	Server Asset Tag
System	Host Name
	System Location
Processor	Manufacturer
	Family
	Version
	Current Speed
	Maximum Speed
	External Clock Speed
	Voltage
Memory	Total Installed Capacity
	Total Maximum Capacity

Category	Attribute name
	Total Installed Capacity Available To The OS
	Memory Array Count
Memory Array	Location
	Use
	Installed Capacity (MB)
	Maximum Capacity (MB)
	Slots Available
	Slots Used
	ECC Type
Operating System	OS Name
	Version
	Install Date
BIOS	Manufacturer
	Version
	Release Date
Network	Network Interface
	IPv4 Address
	IPv6 Address
	Subnet Mask
	MAC Address
	Default Gateway
Controller	ID
	Name
	State
	Firmware Version
	Driver Version
	Number of Connectors
	Rebuild Rate
	BGI Rate
	Check Consistency Rate
	Reconstruct Rate


Category	Attribute name
	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 by using the operating system IP address or the host name does not have Dell OpenManage Server Administrator (OMSA) installed, System data will not be available in periodic collections from that device.

Main Chassis

Table 2. Main Chassis

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

Category	Sub category	Attribute name
		Server Asset Tag
		Server Model
		Server Module Location
		Server Service Tag
		System Revision
		System Revision Name
	Additional Information	DRAC or iDRAC Version
		Lifecycle Controller Version
	Modular Enclosure Information	Product
		Description
		Version
		IP Address
		Chassis Service Tag
		Model
		IP Address Type
		IP Address Source
		Express Service Code

Hardware Log

Table 3. Hardware Log

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

BIOS

Table 4. BIOS

Category	Sub category	Attribute name
BIOS		Manufacturer
		Version
		Release Date

Category	Sub category	Attribute name
	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

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

Category	Sub category	Attribute name
	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>
		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

Category	Sub category	Attribute name
		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
	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 5. Battery

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

Processor(s)

Table 6. 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
		Cache2 Maximum Size
		Cache3 Maximum Size
		Cache1 Size
		Cache1 Write Policy
		Cache1 Associativity
		Cache1 Error Correction Type
		Cache1 Location
		Cache1 Type

Category	Sub category	Attribute name
		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
		Enabled

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

Fan

Table 7. 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 8. Fan Redundancy

Category	Sub category	Attribute name
Fan Redundancy		Redundancy Status

Firmware

Table 9. Firmware

Category	Sub category	Attribute name
Firmware		Name
		Version

Component Detail

Table 10. Component Detail

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

Front Panel

Table 11. 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 12. FRU

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

Intrusion

Table 13. Intrusion

Category	Sub category	Attribute name
Intrusion		Probe Name
		State
		Status

Memory Array

Table 14. 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
	Size	
	Speed	
	Rank	
	Failures	
	Status	
	Type	
	Type Detail	

Network(s)

Table 15. 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		

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

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

Category	Sub category	Attribute name
		Received Frames Too Long
		Received Bytes
		Received Total Packets
		Received Unicast Packets
		Received Multicast Packets
		Received Broadcast Packets
		Received Discarded Packets
		Received Error Packets
		Transmitted Bytes
		Transmitted Total Packets
		Transmitted Unicast Packets
		Transmitted Multicast Packets
		Transmitted Broadcast Packets
		Transmitted Discarded Packets
		Transmitted Error Packets
		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

Category	Sub category	Attribute name
		Prefix Length
		IPv6 Address Name
		Administrative Status
		Operational Status
		Type
		Connection Status
		Team Type
		DHCP Server
		Default IPv6 Gateway
		DHCPv6 Server
		Interface Description
		Transmitted Good Frames
		Transmitted Bad Frames
		Received Unknown Protocols
		Transmitted Queue Length
		Redundancy Status

Port

Table 16. Port

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

Power Supply

Table 17. Power Supply

Category	Sub category	Attribute name
Power Supply		Location
		Power Monitoring Capable

Category	Sub category	Attribute name
		Rated Input Wattage
		Maximum Output Wattage
		Firmware Version
		Online Status
		Status
		Type

Power Supply Redundancy

Table 18. Power Supply Redundancy

Category	Sub category	Attribute name
Power Supply Redundancy		Redundancy Status

Remote Access Device

Table 19. 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		

Category	Sub category	Attribute name
	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
		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	

Category	Sub category	Attribute name
		User Name
		LAN User Privilege
		Serial Over LAN Payload
		Serial Port User Privilege
		DRAC User Privilege

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 Adapter
		Speed Data Bus Width
		Category
		Hot Plug Capable
		Voltage Supply
		Shared Slot
		Card Bus
		Modem Ring Resume
		Zoom Video
		PC Card-16

Category	Sub category	Attribute name
		Power Management Enable (PME#) Signal
		Adapter Data Bus Width
		Adapter Manufacturer
		Adapter Description

Temperature

Table 22. 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 23. 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 24. Auto Recovery

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

Hardware Performance

Table 25. Hardware Performance

Category	Sub category	Attribute name
Hardware Performance		Probe Name
		Status
		Cause

Power Management

Table 26. 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


Category	Sub category	Attribute name
		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 by using the operating system IP address or the host name does not have Dell OpenManage Server Administrator (OMSA) installed, Storage items will not be available in periodic collections from that device.

Controller(s)

Table 27. 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

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

Category	Sub category	Attribute name
		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
		Configuration
		Status
	Connector(s) > Enclosure(s) > Array Disks	Status
		Connector
		Serial Number
		Name
State		
Power Status		
Bus Protocol		

Category	Sub category	Attribute name
		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
	Name	
	State	

Category	Sub category	Attribute name
	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	

Category	Sub category	Attribute name
		Name
		State
		Power Status
		Bus Protocol
		Failure Predicted
		Media Type
		Revision
		T10 PI (Protection Info) Capable
		Certified
		Encrypted
		Encryption Capable
		Capacity
		Used RAID Disk Space (Bytes)
		Available RAID Disk Space
		Hot Spare
		Progress
		Mirror Set ID
		Model Number
		Vendor
		Part Number
		Maximum Capable Speed
		SAS Address
		Negotiated Speed
		Product ID
		Manufactured Year
		Manufactured Week
		Manufactured Day
		Sector Size
		Device Name
		Connector(s) > Tape device > Tape Drive Characteristics
	Status	

Category	Sub category	Attribute name
		Firmware
		Device Descriptor
		Device Location
		Parent Location
		Manufacturer
		Serial Number
		Model Number
		Asset Tag
		POWER_ON
		NUMBER_OF_DRIVE_CLEAN
		DRIVE_LOADS
		PICO
		TLSC
		LMTP
		IMLLMMH
		POHFREE
		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		

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

SATA Controller(s)

Table 28. SATA Controller(s)

Category	Sub category	Attribute name
SATA Controller(s)		Name
		Firmware Version
		Description
		Device Location
		Parent Location
		Manufacturer

Category	Sub category	Attribute name
		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 29. Fibre Channel Controller(s)

Category	Sub category	Attribute name
Fibre Channel Controller(s)		Name
		Host WWN
		Vendor Name
		Model
		Firmware Version
		Driver version

Category	Sub category	Attribute name
		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 30. 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
		Target Name
		ISID
		TSID
		Number of Connection

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

Category	Sub category	Attribute name
		Interrupts Per CPU
		Type
	Resource > IO Range	Address Range
		Device
		Status
	Component > Display(s)	Files
		ServerFlags
		Module
		InputDevice
		Monitor
		Modes
		Screen
		Device
		ServerLayout
		DRI
		Component > Network(s) > Network Adapter
	MAC Address	
	IPv4 Address	
	Broadcast	
	Subnet Mask	
	Default Gateway	
	IPv6 Address	
	Scope	
	Status Characteristics	
	MTU	
	Metric	
	Memory	
Interrupt		
RX Packets		
RX Errors		
RX Dropped		

Category	Sub category	Attribute name
		RX Overruns
		RX Frame
		TX Packets
		TX Errors
		TX Dropped
		TX Overruns
		TX Carrier
		Collisions
		Tx Queue Length
		RX bytes
		TX bytes
		int6 IP Address
		int IP Address
		Component > Network(s) > Network Host
	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

Category	Sub category	Attribute name
		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
		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	

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

Category	Sub category	Attribute name
	Component > Display(s) > Module	Name
		Value
	Component > Display(s) > Input Device	Name
		Value
		Identifier
	Component > Display(s) > Monitor	Name
		Identifier
		Value
		Vendor Name
		Chassis Model
	Component > Display(s) > Device	Name
		Identifier
		Value
		Driver
		BusID
	Component > USB Controller(s)	Controller Information
		Serial Number
	Component > USB Controller(s) > USB Root Hub(s) > USB	Bus
		Device
		ID
		Device Class
		Device Sub Class
		Device Protocol
		Manufacturer
Product		
Serial		
Version		
Component > USB Controller(s) > USB Root Hub(s) > USB Detailed info	Bus	
	Device	
	bLength	
	bDescriptorType	

Category	Sub category	Attribute name
		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

Category	Sub category	Attribute name
		bInterfaceProtocol
		iInterface
		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

Category	Sub category	Attribute name
	Environment > Environment Variable	Variable
		Variable Value
	Environment > Drivers > Drivers Loaded Module	Internal Name
		Module Size
		Use Count
		Dependant Modules
		Status
	Environment > Drivers > Drivers	Name
		Module Path
	Environment > Process	Command
		PID
		CPU
		Memory
		RSS
		VSZ
		Time
		Start
		STAT
		User
		TTY
	Environment > Installed Application	Name
		Publisher
		Summary
		Size
		Install date
		URL Information
		Description
Environment > Service	Service	
	State	

OpenManage

Table 31. OpenManage

Category	Sub category	Attribute name
OpenManage		Version
		Item
		Server Administrator CLI
		Storage Management package for GUI component
		Server Administrator Core
		Storage Management CLI component
		Hardware Abstraction Programming Interface
		Storage Management accessors package
		Server Administrator Common Services
		RealSSD package for storage management
		Storage Management System Utilities Package / Libsysfs
		A library for parsing GNU style command line arguments
		Oracle Java Runtime Environment
		Meta rpm for iDRAC components
		Disney SNMP
		Server Administrator Common Framework
		iDRAC7 Command Interface
		NVMe Library
		iDRAC SNMP components
		Data Engine
Remote Access Card Data Populator		

Category	Sub category	Attribute name
		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 32. 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 33. 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 34. iDRAC

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