

# **SNMP Reference Guide for iDRAC , Chassis Management Controller and OpenManage Enterprise - Modular Management Software 1.10.00**

## 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

This reference guide provides information about Simple Network Management Protocol (SNMP) Management Information Base (MIB) which are released with the current version of Dell iDRAC and Chassis Management Controller.

Sections in this guide follow MIB groups and provide explanations and definitions for the terms used to define MIB objects. All essential Simple Network Management Protocol (SNMP) terms are defined in this guide. Some of the vocabulary may seem complex and unfamiliar to system administrators who are using SNMP for the first time.

## Topics:

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## What is new in this release

This release of Dell iDRAC , Chassis Management Controller and OpenManage Enterprise-Modular Management Software SNMP introduces the following new trap:

Added the following MIBs to **OM Enterprise - Modular Management Software**:

- Product Information
- Firmware
- Chassis Status
- Chassis Power
- Power Information
- PSU Information
- Chassis Alert 2

Added traps in **SNMP Traps for CMC Group and OpenManage Enterprise - Modular**.

**PowerEdge VRTX CMC Traps , PowerEdge FX2 CMC and OM Enterprise - Modular Traps**

### System Trap Group

- `alert2PowerUsageInformation`
- `alert2PowerUsageWarning`
- `alert2PowerUsageFailure`
- `alert2SecurityWarning`
- `alert2SoftwareConfigurationFailure`

# Supported SNMP Versions

Table 1. Supported SNMP Versions

iDRAC version	SNMP Alerts / Traps	SNMP Gets
iDRAC7	SNMP v1, v2, v3	v1,v2,v3
iDRAC8	SNMP v1,v2,v3	v1,v2,v3
iDRAC9	SNMP v1,v2,v3	v1,v2,v3

**NOTE:** SNMP alerts and traps v3 is supported on iDRAC7 for firmware version 2.10.10.10 and later systems.

## Managed Object Used in This Document

The MIB is divided into several major groups. The following table provides information about the MIB names, name of the agent that uses each MIB and the purpose:

Table 2. Managed Object Used in This Document

MIB Name	Agent / Hardware Supported	Purpose of the MIB
10892.mib	Server Administrator	Provides the information about the systems monitored by Server Administrator instrumentation software. This is the primary MIB for PowerEdge systems.
dcs3fru.mib	Server Administrator	Provides the information about the system Field Replaceable Unit (FRU) to SNMP management applications.
dcstorag.mib	Server Administrator Storage Management	Provides the information about the storage hardware components and RAID configurations monitored by Server Administrator.
iDRAC-SMlv1.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMLv1 version of the iDRAC MIB.
iDRAC-SMlv2.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMLv2 version of the iDRAC MIB.
dcs3rmt.mib	Dell Remote Access controller 5 (DRAC 5)	Provides information about remote access components monitored by the Server Administrator Remote Access Service.
rac_host.mib	Remote access out-of-band agent	Provides information about the components monitored by the remote access out-of-band software agent.
DELL-RAC-MIB.txt	Chassis Management Controller (CMC)	Provides information about components monitored by the Chassis Management Controller for modular chassis. This MIB is the legacy iDRAC MIB. Changes made in this MIB are not for iDRAC. iDRAC does not support all the objects and traps defined in this MIB. The new and more extensive iDRAC MIB is available for iDRAC7 and later versions.
DcAsfSrv.mib	Baseboard Management Controller (BMC)	Provides information about server Platform Event Traps generated by the Baseboard Management Controller.
MX7000.mib	OpenManage Enterprise-Modular management software (MME)	Provides the information about Dell Remote Access Controller Out-of-Band MIB for Enterprise-Modular Management Software.

For further details see Release Notes for *Management Information Base* `readme_mibs.txt`.

**NOTE:** You can download the Mibs that are listed from [downloads and drivers page at Dell.com/OpenManageManuals](https://www.dell.com/OpenManageManuals).

# Server Administrator Remote Access MIB

**NOTE:** This section contains information that is applicable only if the Server Administrator is installed in the system.

The Server Administrator Remote Access MIB ( filename `dcs3rmt.mib` ) provides in-band information about remote access hardware that may be present in your system.

The Server Administrator Remote Access MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table below describes each Server Administrator Remote Access MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Remote Access MIB groups are identified by the SNMP OID `1.3.6.1.4.1.674.10892.1.<MIB group number>` where `<MIB group number>` is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

**Table 3. Server Administrator Remote Access MIB Sections in This Guide**

Topic	MIB Group Numbers
Remote Access Group — provides information about remote access hardware that may be present in your system and defines variables for administrative users, SNMP trap destinations, modem configuration for dial-up networking, dial-in configuration, and dial-out destinations	1700

# Dell Remote Access Controller Out-of-Band MIB

The Dell Remote Access Controller Out-of-Band MIB (filename `DELL-RAC-MIB.txt`) provides management data that allows you to monitor the Chassis Management Controller and `MX7000.mib` provides management data for Enterprise - Modular Management Software. This MIB also contains information on RAC legacy alerting. The following table describes each Dell RAC Out-of-Band group and lists the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

**Table 4. Dell RAC Out-of-Band MIB**

Topics	MIB Group Number
The Dell RAC Out-of-Band MIB consists of information for the following groups: <ul style="list-style-type: none"><li>Product Information</li><li>Chassis Status</li><li>Chassis Power</li><li>CMC Power Information</li><li>CMC PSU Information</li><li>Chassis Alerts</li><li>Legacy Alerting</li></ul>	2

# Basic Terminology

It is important to have a good understanding of the key technical terms used in this guide. This guide provides definitions for all essential terms used in describing the Server Administrator MIBs. For definitions on all essential terms and acronyms, see the *Glossary* available on the Dell Support website at [dell.com/support/manuals](http://dell.com/support/manuals).

# Frequently Used Terms in Variable Names

The following terms are frequently used in the name of a MIB variable:

**Capability** refers to the actions an object can perform, or to actions that can be taken by the object. Hot-pluggable is an example of a capability. If a card is hot-pluggable, it can be replaced while a system is running. Capability settings refer to the capabilities of the object that the user can select from and activate if desired. Capability settings allow users of the server administrator to predetermine how an object behaves under specific conditions.

**Settings** are the conditions of a manageable object that determine what happens when a certain value is detected in a component. For example, a user can set the upper critical threshold of a temperature probe to 75 degrees Celsius. If the probe reaches that temperature, the setting causes an alert to be sent to the management console. Some settings, when reached, can trigger a system shutdown or other response to prevent damage to the system.

**State** refers to the condition of an object that has more than one condition. For example, an object may be in a *not ready* or in an *enabled* state.

**Status** refers to the health of an object or how the object is functioning. For example, the status of a temperature probe that is measuring acceptable temperatures would be reported as normal. When the probe begins reading temperatures that exceed limits set by the user, it reports a critical status.

## Tables

This reference guide contains two types of tables: tables that are used to organize and define variable values and tables that define MIB objects. Readers must understand the difference between these two types of tables.

## SNMP Tables

Most of the MIB objects defined in this reference guide are organized into SNMP tables. SNMP tables organize data into two-dimensional structural arrays. In SNMP, objects that have a relationship to other objects are called columnar objects. Columnar objects are objects used to form lists and tables. When a MIB group is divided into one or more discrete tables, the word *table* has a technical meaning. An example is the section of this reference guide entitled Universal Unique Identifier (UUID). The UUID object has a type and a value that uniquely identifies an object such as a chassis. The table defines all of the variables that comprise the managed object UUID.

The following table is an example of an SNMP table. The table contains variables that must occur in a definite sequence. In the example table the defined variables are UUID Chassis Index, UUID Index, UUID Type, and UUID Value.

These objects comprise the Server Administrator definitions for the UUID.

**Table 5. UUID Table**

<b>Name</b>	uUUIDTable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20
<b>Description</b>	Defines the UUID table.
<b>Syntax</b>	SEQUENCE OF UUIDTableEntry
<b>Access</b>	Not accessible

**Table 6. UUID Table Entry**

<b>Name</b>	uUUIDTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20.1
<b>Description</b>	Defines the UUID table entry.
<b>Syntax</b>	UUIDTableEntry
<b>Access</b>	Not accessible
<b>Index</b>	uUUIDIndex

uUIDchassisIndex

**Table 7. UUID Chassis Index**

<b>Name</b>	uUIDchassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20.1.1
<b>Description</b>	Defines the index (one-based) of this chassis.
<b>Syntax</b>	DellObjectRange
<b>Access</b>	Read-only

**Table 8. UUID Index**

<b>Name</b>	uUIDIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20.1.2
<b>Description</b>	Defines the index of the UUID in a specified chassis.
<b>Syntax</b>	DellObjectRange
<b>Access</b>	Read-only

**Table 9. UUID Type**

<b>Name</b>	uUIDType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20.1.3
<b>Description</b>	Defines the type of the UUID for this chassis.
<b>Syntax</b>	DellUUIDType
<b>Access</b>	Read-only

**Table 10. UUID Value**

<b>Name</b>	uUIDValue
<b>Object ID</b>	1.3.6.1.4.1.674.10892.1.300.20.1.4
<b>Description</b>	Defines the value of the UUID for this chassis.
<b>Syntax</b>	Octet String (SIZE[16])
<b>Access Read-only</b>	Read-only

## Other Documents You May Need

In addition to this guide, you can access the following guides available on the Dell Support website at [dell.com/support/manuals](https://dell.com/support/manuals). On the **Manuals** page, click **Software Systems Management**. Click the appropriate product link on the right-side to access the documents.

- The *Server Administrator Messages Reference Guide* lists the messages that you can receive on your systems management console or on your operating system's event viewer. This guide explains the text, severity, and cause of each message that the server administrator issues.
- The *Server Administrator CIM Reference Guide* documents the Common Information Model (CIM) provider, an extension of the standard management object format (MOF) file. The Server-Administrator CIM provider documents supported classes of management objects.
- The *Glossary* provides information on the terms used in this document.

## System Battery Table

The System Battery Table objects provide information about the system battery in which the iDRAC resides.

**Table 11. System Battery Table Entry**

<b>Name</b>	systemBatteryTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.1
<b>Description</b>	This object defines the System Battery Table Entry.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 12. System Battery Index**

<b>Name</b>	systemBatteryIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.2
<b>Description</b>	This attribute defines the index (one based) of the battery.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 13. System Battery State Capabilities**

<b>Name</b>	systemBatteryStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.3
<b>Description</b>	This attribute defines the state capabilities of the battery.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 14. System Battery State Settings**

<b>Name</b>	systemBatteryStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.4
<b>Description.</b>	This attribute defines the state settings of the battery.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 15. System Battery Status**

<b>Name</b>	systemBatteryStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.5
<b>Description</b>	This attribute defines the status of the battery.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 16. System Battery Reading**

<b>Name</b>	systemBatteryReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.6
<b>Description</b>	This attribute defines the reading of the battery.
<b>Syntax</b>	SystemBatteryReadingFlags
<b>Access</b>	Read-only

**Table 17. System Battery Location Name**

<b>Name</b>	systemBatteryLocationName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.7

<b>Description</b>	This attribute defines the location of the battery.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

## Amperage Probe Table

The amperage probe objects provide information about the system amperage probe in which the iDRAC resides.

**Table 18. Amperage Probe Chassis Index**

<b>Name</b>	amperageProbechassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.1
<b>Description</b>	This attribute defines the index (one based) of the system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 19. Amperage Probe Index**

<b>Name</b>	amperageProbeIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.2
<b>Description</b>	This attribute defines the index (one based) of the amperage probe.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 20. Amperage Probe State Capabilities**

<b>Name</b>	amperageProbeStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.3
<b>Description</b>	This attribute defines the state capabilities of the amperage probe.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 21. Amperage Probe State Settings**

<b>Name</b>	amperageProbeStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.4
<b>Description.</b>	This attribute defines the state settings of the amperage probe.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 22. Amperage Probe Status**

<b>Name</b>	amperageProbeStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.5
<b>Description</b>	This attribute defines the probe status of the amperage probe.
<b>Syntax</b>	StatusProbeEnum
<b>Access</b>	Read-only

**Table 23. Amperage Probe Reading**

<b>Name</b>	amperageProbeReading
-------------	----------------------

<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.6
<b>Description</b>	This attribute defines the reading for an amperage probe of type other than <code>amperageProbeTypeIsDiscrete</code> . When the value for <code>amperageProbeType</code> is <code>amperageProbeTypeIsPowerSupplyAmps</code> or <code>amperageProbeTypeIsSystemAmps</code> , the value returned for this attribute is the power usage that the probe is reading in tenths of Amps. When the value for <code>amperageProbeType</code> is <code>amperageProbeTypeIsDiscrete</code> , a value is not returned for this attribute.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 24. Amperage Probe Type**

<b>Name</b>	<code>amperageProbeType</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.7
<b>Description</b>	This attribute defines the type of the amperage probe.
<b>Syntax</b>	<code>AmperageProbeTypeEnum</code>
<b>Access</b>	Read-only

**Table 25. Amperage Probe Location Name**

<b>Name</b>	<code>amperageProbeLocationName</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.8
<b>Description</b>	This attribute defines the location of the amperage probe.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 26. Amperage Probe Upper Non Recoverable Threshold**

<b>Name</b>	<code>amperageProbeUpperNonRecoverableThreshold</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.9
<b>Description</b>	This attribute defines the upper non recoverable threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 27. Amperage Probe Upper Critical Threshold**

<b>Name</b>	<code>amperageProbeUpperCriticalThreshold</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.10
<b>Description</b>	This attribute defines the upper critical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 28. Amperage Probe Upper NonCritical Threshold**

<b>Name</b>	<code>amperageProbeUpperNonCriticalThreshold</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.11
<b>Description</b>	This attribute defines the upper noncritical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 29. Amperage Probe Lower NonCritical Threshold**

<b>Name</b>	amperageProbeLowerNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.12
<b>Description</b>	This attribute defines the lower noncritical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 30. Amperage Probe Lower Critical Threshold**

<b>Name</b>	amperageProbeLowerCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.13
<b>Description</b>	This attribute defines the lower critical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 31. Amperage Probe Lower NonRecoverable Threshold**

<b>Name</b>	amperageProbeLowerNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.14
<b>Description</b>	This attribute defines the lower non recoverable threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 32. Amperage Probe Probe Capabilities**

<b>Name</b>	amperageProbeProbeCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.15
<b>Description</b>	This attribute defines the probe capabilities of the amperage probe.
<b>Syntax</b>	ProbeCapabilitiesFlags
<b>Access</b>	Read-only

**Table 33. Amperage Probe Discrete Reading**

<b>Name</b>	amperageProbeDiscreteReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
<b>Description</b>	This attribute defines the reading for an amperage probe of type amperageProbeTypeIsDiscrete. When the value for amperageProbeType is other than amperageProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for amperageProbeType is amperageProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe.
<b>Syntax</b>	AmperageDiscreteReadingEnum
<b>Access</b>	Read-only

## Power Unit Group

The Power Group objects provide information about the system power unit in which the iDRAC resides.

**Table 34. Power Unit Chassis Index**

<b>Name</b>	powerUnitChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1
<b>Description</b>	This attribute defines the index (one based) of the system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 35. Power Unit Index**

<b>Name</b>	powerUnitIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.2
<b>Description</b>	This attribute defines the index (one based) of the power unit.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 36. Power Unit State Capabilities**

<b>Name</b>	powerUnitStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.3
<b>Description</b>	This attribute defines the state capabilities of the power unit.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 37. Power Unit State Settings**

<b>Name</b>	powerUnitStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.4
<b>Description.</b>	This attribute defines the state settings of the power unit.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 38. Power Unit Redundancy Status**

<b>Name</b>	powerUnitRedundancyStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.5
<b>Description</b>	This attribute defines the redundancy status of the power unit.
<b>Syntax</b>	StatusRedundancyEnum
<b>Access</b>	Read-only

**Table 39. Power Supply Count For Redundancy**

<b>Name</b>	powerSupplyCountForRedundancy
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.6
<b>Description</b>	This attribute defines the total number of power supplies required for this power unit to have full redundancy.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 40. Power Unit Name**

<b>Name</b>	powerUnitName
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.7
<b>Description</b>	This attribute defines the name of the power unit.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 41. Power Unit Status**

<b>Name</b>	powerUnitStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.8
<b>Description</b>	This attribute defines the status of the power unit.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

## Power Supply Table

The Power Supply objects provide information about the system power supply in which the iDRAC resides.

**Table 42. Power Supply Chassis Index**

<b>Name</b>	powerSupplychassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.1
<b>Description</b>	This attribute defines the index (one based) of the system chassis.
<b>Syntax</b>	PowerSupplyTableEntry
<b>Access</b>	Read-only

**Table 43. Power Supply Index**

<b>Name</b>	powerSupplyIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.2
<b>Description</b>	This attribute defines the index (one based) of the power supply.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 44. Power Supply State Capabilities Unique**

<b>Name</b>	powerSupplyStateCapabilitiesUnique
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.3
<b>Description</b>	This attribute defines the state capabilities of the power unit.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 45. Power Supply State Settings Unique**

<b>Name</b>	powerSupplyStateSettingsUnique
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.4
<b>Description.</b>	This attribute defines the state settings of the power supply.
<b>Syntax</b>	PowerSupplyStateSettingsUniqueFlags
<b>Access</b>	Read-only

**Table 46. Power Supply Status**

<b>Name</b>	powerSupplyStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.5
<b>Description</b>	This attribute defines the status of the power supply.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 47. Power Supply Output Watts**

<b>Name</b>	powerSupplyOutputWatts
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.6
<b>Description</b>	This attribute defines the maximum sustained output wattage of the power supply (in tenths of Watts).
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 48. Power Supply Type**

<b>Name</b>	powerSupplyType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.7
<b>Description</b>	This attribute defines the type of the power supply.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 49. Power Supply Location Name**

<b>Name</b>	powerSupplyLocationName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.8
<b>Description</b>	This attribute defines the location of the power supply.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 50. Power Supply Maximum Input Voltage**

<b>Name</b>	powerSupplyMaximumInputVoltage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.9
<b>Description</b>	This attribute defines the maximum input voltage of the power supply (in Volts).
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 51. Power Supply power Unit Index Reference**

<b>Name</b>	powerSupplypowerUnitIndexReference
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12.1.10
<b>Description</b>	This attribute defines the index to the associated power unit if the power supply is part of a power unit.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 52. Power Supply Sensor State**

<b>Name</b>	powerSupplySensorState
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.11
<b>Description</b>	This attribute defines the state reported by the power supply sensor. This attribute supplements the attribute powerSupplyStateSettingsUnique.
<b>Syntax</b>	PowerSupplySensorStateFlags
<b>Access</b>	Read-only

**Table 53. Power Supply Configuration Error Type**

<b>Name</b>	powerSupplyConfigurationErrorType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.12
<b>Description</b>	This attribute defines the type of configuration error reported by the power supply sensor. When the configurationError bit is on in the value for the attribute powerSupplySensorState, a value is returned for this attribute; otherwise, a value is not returned for this attribute.
<b>Syntax</b>	PowerSupplyConfigurationErrorTypeEnum
<b>Access</b>	Read-only

**Table 54. Power Supply Power Monitor Capable**

<b>Name</b>	powerSupplyPowerMonitorCapable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.13
<b>Description</b>	This attribute defines a boolean value that reports whether the power supply is capable of monitoring power consumption.
<b>Syntax</b>	BooleanType
<b>Access</b>	Read-only

**Table 55. Power Supply Rated Input Wattage**

<b>Name</b>	powerSupplyRatedInputWattage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.14
<b>Description</b>	This attribute defines the rated input wattage of the power supply (in tenths of Watts).
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 56. Power Supply FQDD**

<b>Name</b>	powerSupplyFQDD
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.15
<b>Description</b>	Fully qualified device descriptor (FQDD) of the power supply.
<b>Syntax</b>	FQDDString
<b>Access</b>	Read-only

**Table 57. Power Supply Current Input Voltage**

<b>Name</b>	powerSupplyCurrentInputVoltage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.16
<b>Description</b>	This attribute defines the current input voltage to the power supply (in Volts).
<b>Syntax</b>	PowerSupplyConfigurationErrorTypeEnum
<b>Access</b>	Read-only

# Power Usage Table

The Power usage objects provide information about the power usage in which the iDRAC resides.

**Table 58. Power Usage Chassis Index**

<b>Name</b>	powerUsageChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.1
<b>Description</b>	This attribute defines the index (one based) of the associated system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 59. Power Usage Index**

<b>Name</b>	powerUsageIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.2
<b>Description</b>	This attribute defines the index (one based) of the power usage information.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 60. Power Usage State Capabilities**

<b>Name</b>	powerUsageStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.3
<b>Description</b>	This attribute defines the state capabilities of the power usage information.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 61. Power Usage State Settings**

<b>Name</b>	powerUsageStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.4
<b>Description.</b>	This attribute defines the state settings of the power usage information.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 62. Power Usage Status**

<b>Name</b>	powerUsageStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.5
<b>Description</b>	This attribute defines the status of the power usage information.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 63. Power Usage Entity Name**

<b>Name</b>	powerUsageEntityName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.6
<b>Description</b>	This attribute defines the name of the entity associated with this power usage information.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

#### Table 64. Power Usage Cumulative Wattage

<b>Name</b>	powerUsageCumulativeWattage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.7
<b>Description</b>	This attribute defines the total wattage used (in Watt-hours) by this entity since the date and time specified by the powerUsageCumulativeWattageStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

#### Table 65. Power Usage Cumulative Wattage Start Date Name

<b>Name</b>	powerUsageCumulativeWattageStartDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.8
<b>Description</b>	This attribute defines the date and time at which the data collection started for the value reported by the powerUsageCumulativeWattage attribute.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

#### Table 66. Power Usage Peak Watts

<b>Name</b>	powerUsagePeakWatts
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.9
<b>Description</b>	This attribute defines the peak wattage reading (in Watts) for this entity since the date and time specified by the powerUsagePeakWattsStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

#### Table 67. Power Usage Peak Watts Start Date Name

<b>Name</b>	powerUsagePeakWattsStartDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.10
<b>Description</b>	This attribute defines the date and time at which the data collection started for the value reported by the powerUsagePeakWatts attribute.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

#### Table 68. Power Usage Peak Watts Reading Date Name

<b>Name</b>	powerUsagePeakWattsReadingDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.11
<b>Description</b>	This attribute defines the date and time at which the value reported by the powerUsagePeakWatts attribute was measured.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

#### Table 69. Power Usage Peak Amps

<b>Name</b>	powerUsagePeakAmps
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.12
<b>Description</b>	This attribute defines the peak amperage reading (in tenths of Amps) for this entity since the date and time specified by the powerUsagePeakAmpsStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange

**Access** Read-only

#### Table 70. Power Usage Peak Amps Start Date Name

**Name** powerUsagePeakAmpsStartDateName  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.13  
**Description** This attribute defines the date and time at which the data collection started for the value reported by the powerUsagePeakAmps attribute.  
**Syntax** DateName  
**Access** Read-only

#### Table 71. Power Usage Peak Amps Reading Date Name

**Name** powerUsagePeakAmpsReadingDateName  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.14  
**Description** This attribute defines the date and time at which the value reported by the powerUsagePeakAmps attribute was measured.  
**Syntax** DateName  
**Access** Read-only

#### Table 72. Power Usage Idle Power

**Name** powerUsageIdlePower  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.15  
**Description** This attribute defines the system idle power (in Watts). This is the minimum power the system can consume based on the current hardware configuration.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

#### Table 73. Power Usage Max Potential Power

**Name** powerUsageMaxPotentialPower  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.16  
**Description** This attribute defines the system maximum potential power (in Watts). This is the maximum power the system can consume based on the current hardware configuration.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

#### Table 74. Power Usage Power Cap Capabilities

**Name** powerUsagePowerCapCapabilities  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.17  
**Description** This attribute defines the system power cap capabilities.  
**Syntax** PowerCapCapabilitiesFlags  
**Access** Read-only

#### Table 75. Power Usage Power Cap Setting

**Name** powerUsagePowerCapSetting  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.18  
**Description** This attribute defines the system power cap setting.  
**Syntax** PowerCapSettingEnum

**Access** Read-only

**Table 76. Power Usage Power Cap Value**

**Name** powerUsagePowerCapValue  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.119  
**Description** This attribute defines the system power cap value (in Watts).  
**Syntax** Unsigned32BitRange  
**Access** Read-only

**Table 77. Power Usage Instantaneous Headroom**

**Name** powerUsageInstantaneousHeadroom  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.120  
**Description** This attribute defines the system instantaneous headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus instantaneous power draw.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

**Table 78. Power Usage Peak Headroom**

**Name** powerUsagePeakHeadroom  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.121  
**Description** This attribute defines the system peak headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus peak power draw.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

## Voltage Probe Table

The voltage probe objects provide information about the system voltage probe in which the iDRAC resides.

**Table 79. Voltage Probe Chassis Index**

**Name** voltageProbeChassisIndex  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.20.11  
**Description** This attribute defines the index (one based) of the system chassis.  
**Syntax** ObjectRange  
**Access** Read-only

**Table 80. Voltage Probe Index**

**Name** voltageProbeIndex  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.20.12  
**Description** This attribute defines the index (one based) of the voltage probe.  
**Syntax** ObjectRange  
**Access** Read-only

**Table 81. Voltage Probe State Capabilities**

**Name** voltageProbeStateCapabilities  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.20.13

<b>Description</b>	This attribute defines the state capabilities of the voltage probe.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 82. Voltage Probe State Settings**

<b>Name</b>	voltageProbeStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.4
<b>Description.</b>	This attribute defines the state settings of the voltage probe.
<b>Syntax</b>	StatusProbeEnum
<b>Access</b>	Read-only

**Table 83. Voltage Probe Status**

<b>Name</b>	voltageProbeStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.5
<b>Description</b>	This attribute defines the probe status of the voltage probe.
<b>Syntax</b>	StatusProbeEnum
<b>Access</b>	Read-only

**Table 84. Voltage Probe Reading**

<b>Name</b>	voltageProbeReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.6
<b>Description</b>	This attribute defines the reading for a voltage probe of type other than voltageProbeTypelsDiscrete. When the value for voltageProbeType is other than voltageProbeTypelsDiscrete, the value returned for this attribute is the voltage that the probe is reading in millivolts. When the value for voltageProbeType is voltageProbeTypelsDiscrete, a value is not returned for this attribute.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 85. Voltage Probe Type**

<b>Name</b>	voltageProbeType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.7
<b>Description</b>	This attribute defines the type of the voltage probe.
<b>Syntax</b>	VoltageTypeEnum
<b>Access</b>	Read-only

**Table 86. Voltage Probe Location Name**

<b>Name</b>	voltageProbeLocationName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.8
<b>Description</b>	This attribute defines the location name of the voltage probe.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 87. Voltage Probe Upper Non Recoverable Threshold**

<b>Name</b>	voltageProbeUpperNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.9

<b>Description</b>	This attribute defines the upper non-recoverable threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 88. Voltage Probe Upper Critical Threshold

<b>Name</b>	voltageProbeUpperCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.110
<b>Description</b>	This attribute defines the upper critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 89. Voltage Probe Upper NonCritical Threshold

<b>Name</b>	voltageProbeUpperNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.111
<b>Description</b>	This attribute defines the upper noncritical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 90. Voltage Probe Lower NonCritical Threshold

<b>Name</b>	voltageProbeLowerNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.112
<b>Description</b>	This attribute defines the lower noncritical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 91. Voltage Probe Lower Critical Threshold

<b>Name</b>	voltageProbeLowerCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.113
<b>Description</b>	This attribute defines the lower critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 92. Voltage Probe Lower NonRecoverable Threshold

<b>Name</b>	voltageProbeLowerNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.114
<b>Description</b>	This attribute defines the lower non-recoverable threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 93. Voltage Probe Probe Capabilities

<b>Name</b>	voltageProbeProbeCapabilities
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.15
<b>Description</b>	This attribute defines the probe capabilities of the voltage probe.
<b>Syntax</b>	ProbeCapabilitiesFlags
<b>Access</b>	Read-only

**Table 94. Voltage Probe Discrete Reading**

<b>Name</b>	voltageProbeDiscreteReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
<b>Description</b>	This attribute defines the reading for a voltage probe of type voltageProbeTypesDiscrete. When the value for voltageProbeType is other than voltageProbeTypesDiscrete, a value is not returned for this attribute. When the value for voltageProbeType is voltageProbeTypesDiscrete, the value returned for this attribute is the discrete reading for the probe.
<b>Syntax</b>	VoltageDiscreteReadingEnum
<b>Access</b>	Read-only

## System Information Group

The System Information Group objects provide information about the system in which the iDRAC resides.

**Table 95. System Fully Qualified Domain Name**

<b>Name</b>	systemFQDN
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.1.0
<b>Description</b>	This attribute defines the fully qualified domain name of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 96. System Service Tag**

<b>Name</b>	systemServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.2.0
<b>Description</b>	This attribute defines the service tag of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 97. System Express Service Code**

<b>Name</b>	systemExpressServiceCode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.3.0
<b>Description</b>	This attribute defines the express service code of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 98. System Asset Tag**

<b>Name</b>	systemAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.4.0
<b>Description.</b>	This attribute defines the asset tag of the system.
<b>Syntax</b>	StringType

**Access** Read-only

**Table 99. System Blade Slot Number**

**Name** systemBladeSlotNumber  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.5.0  
**Description** This attribute defines the slot number of the blade in the chassis.  
**Syntax** StringType  
**Access** Read-only

**Table 100. System Operating System Name**

**Name** systemOSName  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.6.0  
**Description** This attribute defines the name of the operating system that the host is running.  
**Syntax** StringType  
**Access** Read-only

**Table 101. System Form Factor**

**Name** systemFormFactor  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.7.0  
**Description** This attribute defines the form factor of the system.  
**Syntax** SystemFormFactorEnum  
**Access** Read-only

**Table 102. System Data Center Name**

**Name** systemDataCenterName  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.8.0  
**Description** This attribute defines the Data Center locator of the system.  
**Syntax** StringType  
**Access** Read-only

**Table 103. System Aisle Name**

**Name** systemAisleName  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.9.0  
**Description** This attribute defines the Aisle locator of the system.  
**Syntax** StringType  
**Access** Read-only

**Table 104. System Rack Name**

**Name** systemRackName  
**Object ID** 1.3.6.1.4.1.674.10892.5.1.3.10.0  
**Description** This attribute defines the Rack locator of the system.  
**Syntax** StringType  
**Access** Read-only

**Table 105. System Rack Slot**

<b>Name</b>	systemRackSlot
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.11.0
<b>Description</b>	This attribute defines the Rack Slot locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 106. System Model Name**

<b>Name</b>	systemModelName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.12.0
<b>Description</b>	This attribute defines the model name of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 107. System System ID**

<b>Name</b>	systemSystemID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.13.0
<b>Description</b>	This attribute defines the system ID of the system.
<b>Syntax</b>	Unsigned16BitRange
<b>Access</b>	Read-only

**Table 108. System OS Version**

<b>Name</b>	systemOSVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.14.0
<b>Description</b>	This attribute defines the version of the operating system that the host is running.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 109. System Room Name**

<b>Name</b>	systemRoomName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.15.0
<b>Description</b>	This attribute defines the Room locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 110. System Chassis System Height**

<b>Name</b>	systemChassisSystemHeight
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.16.0
<b>Description</b>	This attribute defines the height of the system, in 'U's. A U is a standard unit of measure for the height of a rack or rack-mountable component.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

**Table 111. System Blade Geometry**

<b>Name</b>	systemBladeGeometry
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.17.0
<b>Description</b>	This attribute defines the blade geometry for a blade system. (If not applicable, a 'no such name' error is returned.)
<b>Syntax</b>	BladeGeometryEnum
<b>Access</b>	Read-only

#### Table 112. System Node ID

<b>Name</b>	systemNodeID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.18.0
<b>Description</b>	This attribute defines the node ID of the system. The node ID provides a unique identifier for the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 113. System OEM OS Version

<b>Name</b>	systemOEMOSVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.19.0
<b>Description</b>	This attribute defines the OEM version of the operating system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 114. System Lockdown Mode

<b>Name</b>	systemLockdownMode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.20.0
<b>Description</b>	This attribute defines the system Lockdown mode is enabled or disabled.
<b>Syntax</b>	SystemLockdownModeEnum
<b>Access</b>	Read-only

# Chassis Management Controller Group

**Table 115. Chassis Management Controller Group**

## Dell Remote Access Controller Out-of-Band Group

The Dell Remote Access Controller Out-of-Band MIB contains information for both Chassis Management Controller (CMC) and RAC Legacy Alerting. This MIB consists of information for the following groups:

### Topics:

- [Product Information](#)
- [Chassis Status](#)
- [Chassis Power](#)
- [CMC Power Information](#)
- [CMC PSU Information](#)
- [Chassis Servers](#)
- [Chassis Alert](#)
- [Legacy Alerting](#)

## Product Information

The following MIB attributes provide product information for the chassis management controller:

**Table 116. DRsProductName**

<b>Name</b>	<code>drsProductName</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.1
<b>Description</b>	Defines the product name of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 117. DRsProductShortName**

<b>Name</b>	<code>drsProductShortName</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.2
<b>Description</b>	Defines the short product name of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 118. DRsProductDescription**

<b>Name</b>	<code>drsProductDescription</code>
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.3
<b>Description</b>	Defines the product description of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 119. DRsProductManufacturer**

<b>Name</b>	<code>drsProductManufacturer</code>
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.4
<b>Description</b>	Defines the product manufacturer of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 120. DRsProductVersion**

<b>Name</b>	drsProductVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.5
<b>Description</b>	Defines the product version of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 121. DRsChassisServiceTag**

<b>Name</b>	drsChassisServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.6
<b>Description</b>	Defines the Service Tag of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 122. DRsProductURL**

<b>Name</b>	drsProductURL
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.7
<b>Description</b>	Defines the out-of-band UI URL of a chassis management controller.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 123. DRsProductChassisAssetTag**

<b>Name</b>	drsProductChassisAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.8
<b>Description</b>	Defines the Asset Tag of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 124. DRsProductChassisLocation**

<b>Name</b>	drsProductChassisLocation
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.9
<b>Description</b>	Defines the location of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 125. DRsProductChassisName**

<b>Name</b>	drsProductChassisName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.10
<b>Description</b>	Defines the name of the chassis.

<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 126. DRsSystemServiceTag**

<b>Name</b>	drsSystemServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.11
<b>Description</b>	Defines the service tag of a system.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 127. DRsProductSystemAssetTag**

<b>Name</b>	drsProductSystemAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.12
<b>Description</b>	Defines the asset tag of a system.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 128. DRsProductSystemSlot**

<b>Name</b>	drsProductSystemSlot
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.13
<b>Description</b>	Defines the slot number of a CMC.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 129. DRsProductType**

<b>Name</b>	drsProductType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.14
<b>Description</b>	Defines type of a remote access card.
<b>Syntax</b>	DellRacType
<b>Access</b>	Read-only

**Table 130. DRsProductChassisDataCenter**

<b>Name</b>	drsProductChassisDataCenter
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.15
<b>Description</b>	Defines the data center locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 131. DRsProductChassisAisle**

<b>Name</b>	drsProductChassisAisle
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.16
<b>Description</b>	Defines the aisle locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 132. DRsProductChassisRack**

<b>Name</b>	drsProductChassisRack
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.17
<b>Description</b>	Defines the rack locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 133. DRsProductChassisRackSlot**

<b>Name</b>	drsProductChassisRackSlot
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.18
<b>Description</b>	Defines the rack slot locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 134. DRsProductChassisModel**

<b>Name</b>	drsProductChassisModel
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.19
<b>Description</b>	Defines the model of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 135. DRsProductChassisExpressServiceCode**

<b>Name</b>	drsProductChassisExpressServiceCode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.20
<b>Description</b>	Defines the express service code of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 136. DRsProductChassisSystemID**

<b>Name</b>	drsProductChassisSystemID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.21
<b>Description</b>	Defines the system ID of the chassis.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

**Table 137. DRsProductChassisSize**

<b>Name</b>	drsProductChassisSize
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.1.22
<b>Description</b>	Defines the size of the chassis in rack units (U). A U is a standard unit of measure for the height of a rack or rack-mountable component.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

**Table 138. DRsFirmwareVersion**

<b>Name</b>	drsFirmwareVersion
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.2.1
<b>Description</b>	Defines the firmware version of a chassis management controller 1.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 139. DRsiKVMFirmwareVersion**

<b>Name</b>	drsiKVMFirmwareVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.2.2
<b>Description</b>	Defines the firmware version of the iKVM.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 140. DRsFirmwareVersion2**

<b>Name</b>	drsFirmwareVersion2
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.1.2.3
<b>Description</b>	Defines the firmware version of chassis management controller 2.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

## Chassis Status

The following MIB attributes provide status information on the chassis being monitored by the chassis management controller.

**Table 141. DRsGlobalSystemStatus**

<b>Name</b>	drsGlobalSystemStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.2.1
<b>Description</b>	Defines the overall chassis status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 142. DRsGlobalCurrStatus**

<b>Name</b>	drsGlobalCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.1
<b>Description</b>	Defines the overall chassis status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 143. DRsIOMCurrStatus**

<b>Name</b>	drsIOMCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.2
<b>Description</b>	Defines the IOM subsystem status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 144. DRsKVMCurrStatus**

<b>Name</b>	drsKVMCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.3
<b>Description</b>	Defines the iKVM subsystem health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 145. DRsRedCurrStatus**

<b>Name</b>	drsRedCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.4
<b>Description</b>	Defines the redundancy status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 146. DRsPowerCurrStatus**

<b>Name</b>	drsPowerCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.5
<b>Description</b>	Defines the power subsystem health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 147. DRsFanCurrStatus**

<b>Name</b>	drsFanCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.6
<b>Description</b>	Defines the fan subsystem health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 148. DRsBladeCurrStatus**

<b>Name</b>	drsBladeCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.7
<b>Description</b>	Defines the blade subsystem health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 149. DRsTempCurrStatus**

<b>Name</b>	drsTempCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.8
<b>Description</b>	Defines the temperature sensor subsystem health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 150. DRsCMCCurrStatus**

<b>Name</b>	drsCMCCurrStatus
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.9
<b>Description</b>	Defines the CMC health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 151. DRsChassisFrontPanelAmbientTemperature

<b>Name</b>	drsChassisFrontPanelAmbientTemperature
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.10
<b>Description</b>	Defines the ambient temperature reading (in degrees Celsius) for the chassis front panel controller.
<b>Syntax</b>	DellTemperatureReading
<b>Access</b>	Read-only

#### Table 152. DRsCMCAmbientTemperature

<b>Name</b>	drsCMCAmbientTemperature
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.11
<b>Description</b>	Defines the ambient temperature reading (in degrees Celsius) for the chassis management card.
<b>Syntax</b>	DellTemperatureReading
<b>Access</b>	Read-only

#### Table 153. DRsCMCProcessorTemperature

<b>Name</b>	drsCMCProcessorTemperature
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.1.12
<b>Description</b>	Defines the temperature reading (in degrees Celsius) for the chassis management card processor.
<b>Syntax</b>	DellTemperatureReading
<b>Access</b>	Read-only

#### Table 154. DRsGlobalPrevStatus

<b>Name</b>	drsGlobalPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.1
<b>Description</b>	Defines the previous chassis status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 155. DRsIOMPprevStatus

<b>Name</b>	drsIOMPprevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.2
<b>Description</b>	Defines the previous IOM subsystem status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 156. DRsKVMPrevStatus

<b>Name</b>	drsKVMPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.3

<b>Description</b>	Defines the previous iKVM subsystem health status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 157. DRsRedPrevStatus**

<b>Name</b>	drsRedPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.4
<b>Description</b>	Defines the previous redundancy status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 158. DRsPowerPrevStatus**

<b>Name</b>	drsPowerPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.5
<b>Description</b>	Defines the previous power subsystem health status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 159. DRsFanPrevStatus**

<b>Name</b>	drsFanPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.6
<b>Description</b>	Defines the previous fan health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 160. DRsBladePrevStatus**

<b>Name</b>	drsBladePrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.7
<b>Description</b>	Defines the previous blade subsystem health status recorded by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 161. DRsTempPrevStatus**

<b>Name</b>	drsTempPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.8
<b>Description</b>	Defines the temperature sensor health status being monitored by the chassis management card.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 162. DRsCMCPrevStatus**

<b>Name</b>	drsCMCPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.2.9
<b>Description</b>	Defines the CMC health status being monitored by the chassis management card.

<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 163. DRsGlobalChangeTime

<b>Name</b>	drsGlobalChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.1
<b>Description</b>	Defines the timestamp of the most recent global status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

#### Table 164. DRsIOMChangeTime

<b>Name</b>	drsIOMChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.2
<b>Description</b>	Defines the timestamp of the most recent IOM status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

#### Table 165. DRsKVMChangeTime

<b>Name</b>	drsKVMChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.3
<b>Description</b>	Defines the timestamp of the most recent iKVM status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

#### Table 166. DRsRedChangeTime

<b>Name</b>	drsRedChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.4
<b>Description</b>	Defines the timestamp of the most recent Redundancy status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

#### Table 167. DRsPowerChangeTime

<b>Name</b>	drsPowerChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.5
<b>Description</b>	Defines the timestamp of the most recent power health status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

#### Table 168. DRsFanChangeTime

<b>Name</b>	drsFanChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.6
<b>Description</b>	Defines the timestamp of the most recent fan health status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

**Table 169. DRsBladeChangeTime**

<b>Name</b>	drsBladeChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.7
<b>Description</b>	Defines the timestamp of the most recent blade health status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

**Table 170. DRsTempChangeTime**

<b>Name</b>	drsTempChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.8
<b>Description</b>	Defines the timestamp of the most recent temperature sensor health status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

**Table 171. DRsCMCChangeTime**

<b>Name</b>	drsCMCChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.3.3.9
<b>Description</b>	Defines the timestamp of the most recent CMC health status change.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

## Chassis Power

The following MIB tables provide power information for the chassis being monitored by the chassis management controller.

**Table 172. DRsCMC Power Table**

<b>Name</b>	drsCMCPowerTable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1
<b>Description</b>	Defines the CMC power table.
<b>Syntax</b>	SEQUENCE OF DrsCMCPowerTableEntry
<b>Access</b>	Not-accessible

**Table 173. DRsCMC Power Table Entry**

<b>Name</b>	drsCMCPowerTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1
<b>Description</b>	Defines the CMC power table entry.
<b>Syntax</b>	DrsCMCPowerTableEntry
<b>Access</b>	Not-accessible

**Table 174. DRsCMC PSU Table**

<b>Name</b>	drsCMCPSUTable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.2
<b>Description</b>	Defines the CMC PSU table.
<b>Syntax</b>	SEQUENCE OF DrsCMCPSUTableEntry
<b>Access</b>	Not-accessible

**Table 175. DRsCMC PSUTableEntry**

<b>Name</b>	drsCMCPSUTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.2.1
<b>Description</b>	Defines the CMC PSU table entry.
<b>Syntax</b>	DrsCMCPSUTableEntry
<b>Access</b>	Not-accessible

## CMC Power Information

The following MIB tables provide information on the chassis power.

**Table 176. DRsChassisIndex**

<b>Name</b>	drsChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.1
<b>Description</b>	Defines the index (one-based) of the associated chassis.
<b>Syntax</b>	DellCMCPowerIndexRange
<b>Access</b>	Read-only

**Table 177. DRsPotentialPower**

<b>Name</b>	drsPotentialPower
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.2
<b>Description</b>	Defines the power (in watts) required by the chassis infrastructure, along with the maximum power requirements for all systems currently turned on.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 178. DRsIdlePower**

<b>Name</b>	drsIdlePower
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.3
<b>Description</b>	Defines the power (in watts) required by the chassis infrastructure, along with the minimum power requirements for all systems currently turned on.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 179. DRsMaxPowerSpecification**

<b>Name</b>	drsMaxPowerSpecification
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.4
<b>Description</b>	Defines the power limit (in watts) at which server throttling takes place.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 180. DRsPowerSurplus**

<b>Name</b>	drsPowerSurplus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.5
<b>Description</b>	Defines the power surplus (in watts) remaining above the drsPotentialPower reading.

<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 181. DRsKWhCumulative**

<b>Name</b>	drsKWhCumulative
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.6
<b>Description</b>	Defines the cumulative chassis power usage (in KWh) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 182. DRsKWhCumulativeTime**

<b>Name</b>	drsKWhCumulativeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.7
<b>Description</b>	Defines the timestamp of the most recent chassis power accumulator reset.
<b>Syntax</b>	DellTimestamp
<b>Access</b>	Read-only

**Table 183. DRsWattsPeakUsage**

<b>Name</b>	drsWattsPeakUsage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.8
<b>Description</b>	Defines the chassis peak power usage (in watts) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 184. DRsWattsPeakTime**

<b>Name</b>	drsWattsPeakTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.9
<b>Description</b>	Defines the timestamp of the most recent chassis peak power usage.
<b>Syntax</b>	DellTimestamp
<b>Access</b>	Read-only

**Table 185. DRsWattsMinUsage**

<b>Name</b>	drsWattsMinUsage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.10
<b>Description</b>	Defines the chassis minimum power usage (in watts) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 186. DRsWattsMinTime**

<b>Name</b>	drsWattsMinTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.11
<b>Description</b>	Defines the time stamp of the most recent chassis minimum power usage.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 187. DRsWattsResetTime**

<b>Name</b>	drsWattsResetTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.12
<b>Description</b>	Defines the time stamp of the most recent reset of the chassis minimum/maximum watts readings.
<b>Syntax</b>	DellTimestamp
<b>Access</b>	Read-only

**Table 188. DRsWattsReading**

<b>Name</b>	drsWattsReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.13
<b>Description</b>	Defines the instantaneous chassis power usage (in watts).
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 189. DRsAmpsReading**

<b>Name</b>	drsAmpsReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.1.1.14
<b>Description</b>	Defines the instantaneous chassis current usage (in watts).
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

## CMC PSU Information

The following MIB tables provide information on the chassis power supply units.

**Table 190. DRsPSUChassisIndex**

<b>Name</b>	drsPSUChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.2.1.1
<b>Description</b>	Defines the index (one-based) of the associated chassis.
<b>Syntax</b>	DellCMCPowerIndexRange
<b>Access</b>	Read-only

**Table 191. DRsPSUIndex**

<b>Name</b>	drsPSUIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.2.1.2
<b>Description</b>	Defines the index (one-based) of the associated CMC PSU.
<b>Syntax</b>	DellCMCPSUIndexRange
<b>Access</b>	Read-only

**Table 192. DRsPSULocation**

<b>Name</b>	drsPSULocation
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.4.2.1.3
<b>Description</b>	Defines the location of the CMC PSU.
<b>Syntax</b>	DellString

**Access** Read-only

**Table 193. DRsPSUMonitoringCapable**

**Name** drsPSUMonitoringCapable  
**Object ID** 1.3.6.1.4.1.674.10892.2.4.2.1.4  
**Description** Defines the monitoring capabilities or the absence of a PSU in this location.  
**Syntax** DellCMCPSUCapable  
**Access** Read-only

**Table 194. DRsPSUVoltsReading**

**Name** drsPSUVoltsReading  
**Object ID** 1.3.6.1.4.1.674.10892.2.4.2.1.5  
**Description** Defines the instantaneous PSU voltage reading.  
**Syntax** DellPowerReading  
**Access** Read-only

**Table 195. DRsPSUAmpsReading**

**Name** drsPSUAmpsReading  
**Object ID** 1.3.6.1.4.1.674.10892.2.4.2.1.6  
**Description** Defines the instantaneous PSU current reading.  
**Syntax** DellPowerReading  
**Access** Read-only

**Table 196. DRsPSUWattsReading**

**Name** drsPSUWattsReading  
**Object ID** 1.3.6.1.4.1.674.10892.2.4.2.1.7  
**Description** Defines the instantaneous PSU wattage reading.  
**Syntax** DellPowerReading  
**Access** Read-only

## Chassis Servers

The following MIB tables provide server information for the chassis being monitored by the chassis management controller.

**Table 197. DRsCMCServerTable**

**Name** drsCMCServerTable  
**Object ID** 1.3.6.1.4.1.674.10892.2.5.1  
**Description** Defines the CMC server table.  
**Syntax** SEQUENCE OF DrsCMCServerTableEntry  
**Access** Not-Accessible

**Table 198. DRsCMCServerTableEntry**

**Name** drsCMCServerTableEntry  
**Object ID** 1.3.6.1.4.1.674.10892.2.5.1.1  
**Description** Defines the CMC server table entry.

<b>Syntax</b>	DrsCMCServerTableEntry
<b>Access</b>	Not-Accessible

## CMC Server Information

The following MIB tables provide CMC server information being monitored by the chassis management controller.

**Table 199. DRsServerIndex**

<b>Name</b>	drsServerIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.1
<b>Description</b>	Defines the index (one-based) of the associated CMC server.
<b>Syntax</b>	DellCMCServerIndexRange
<b>Access</b>	Read-only

**Table 200. DRsServerMonitoringCapable**

<b>Name</b>	drsServerMonitoringCapable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.2
<b>Description</b>	Defines the monitoring capabilities, or the absence of a server in this location.
<b>Syntax</b>	DellCMCServerCapable
<b>Access</b>	Read-only

**Table 201. DRsServerServiceTag**

<b>Name</b>	drsServerServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.3
<b>Description</b>	Defines the Service Tag of the CMC server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 202. DRsServerSlotName**

<b>Name</b>	drsServerSlotName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.4
<b>Description</b>	Defines the slot name of the CMC server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 203. DRsServerSlotNumber**

<b>Name</b>	drsServerSlotNumber
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.5
<b>Description</b>	Defines the chassis slot number of the CMC server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 204. DRsServerNodeID**

<b>Name</b>	drsServerNodeID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.11.6

<b>Description</b>	Defines the Node ID of the CMC server. The Node ID provides a unique identifier for the server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 205. DRsServerModel**

<b>Name</b>	drsServerModel
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.7
<b>Description</b>	This attribute defines the Model of the CMC server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 206. DRsServerAssetTag**

<b>Name</b>	drsServerAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.8
<b>Description</b>	This attribute defines the Asset Tag of the CMC server.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 207. DRsServerNumStorageControllers**

<b>Name</b>	drsServerNumStorageControllers
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.9
<b>Description</b>	This attribute defines the number of storage controllers on the storage sled. The value will be zero if this is not a storage sled.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

**Table 208. DRsServerStorageMode**

<b>Name</b>	drsServerStorageMode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.10
<b>Description</b>	This attribute defines the Storage Mode of the storage sled.
<b>Syntax</b>	DellCMCServerStorageMode
<b>Access</b>	Read-only

**Table 209. DRsServerIntrusionState**

<b>Name</b>	drsServerIntrusionState
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.11
<b>Description</b>	This attribute defines the Intrusion State of the CMC server if supported by the server.
<b>Syntax</b>	DellCMCServerIntrusionState
<b>Access</b>	Read-only

**Table 210. DRsServerAssignedServerSlots**

<b>Name</b>	drsServerAssignedServerSlots
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5.1.1.12
<b>Description</b>	This attribute defines the server slots to which a storage sled is assigned. If this is a storage sled that is assigned to one more or more server slots, the value will be a comma-separated list

of one or more server slot names. If the storage sled is not assigned to a server slot, the value will be an empty string. If this is not a storage sled, the value will be N/A.

<b>Syntax</b>	DellString
<b>Access</b>	Read-only

## Chassis Alert

The following MIB tables provide information on the chassis management controller alerts.

**Table 211. DRsCASubSystem**

<b>Name</b>	drsCASubSystem
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.20.10.1
<b>Description</b>	Defines the subsystem name of the CMC Alert.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 212. DrsCASSCurrStatus**

<b>Name</b>	drsCASSCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.20.10.2
<b>Description</b>	Defines the status of the alerting subsystem.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 213. DrsCASSPrevStatus**

<b>Name</b>	drsCASSPrevStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.20.10.3
<b>Description</b>	Defines the previous status of the alerting subsystem.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 214. DrsCASSChangeTime**

<b>Name</b>	drsCASSChangeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.20.10.4
<b>Description</b>	Defines the time stamp of the most recent change of the alerting subsystem.
<b>Syntax</b>	TimeTicks
<b>Access</b>	Read-only

**Table 215. DrsCAMessage**

<b>Name</b>	drsCAMessage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.20.10.5
<b>Description</b>	Defines the CSSD message of the CMC alert.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

## Chassis Alert 2

Table 216. DRsCA2MessageID

<b>Name</b>	drsCA2MessageID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.21.10.1
<b>Description</b>	Defines the message ID of the alert.
<b>Syntax</b>	DisplayString
<b>Access</b>	Read-only

Table 217. DrsCA2Message

<b>Name</b>	drsCA2Message
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.21.10.2
<b>Description</b>	Defines the message describing the alert.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

Table 218. DrsCA2MessageArgs

<b>Name</b>	drsCA2MessageArgs
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.21.10.3
<b>Description</b>	Defines the concatenated set of strings that represent the message arguments that are used to construct the alert message. The message argument strings are enclosed within double quotes and are separated with a comma. Double quotes used within the message argument strings are preprocessed and changed to single quotes.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

Table 219. DrsCA2AlertStatus

<b>Name</b>	drsCA2AlertStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.21.10.4
<b>Description</b>	Defines the status of the alert.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

Table 220. DrsCA2FQDD

<b>Name</b>	drsCA2FQDD
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.21.10.5
<b>Description</b>	Defines the fully qualified device descriptor of device causing the alert.
<b>Syntax</b>	DisplayString
<b>Access</b>	Read-only

## Legacy Alerting

The following MIB tables provide information on the RAC legacy alerting.

Table 221. DRsAlertSystem

<b>Name</b>	drsAlertSystem
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.1
<b>Description</b>	Name of the system generating the alert.
<b>Syntax</b>	Octet String
<b>Access</b>	Read-only

#### Table 222. DRsAlertTableIndexOID

<b>Name</b>	drsAlertTableIndexOID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.2
<b>Description</b>	Alert Index Object Identifier.
<b>Syntax</b>	OBJECT IDENTIFIER
<b>Access</b>	Read-only

#### Table 223. DRsAlertMessage

<b>Name</b>	drsAlertMessage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.3
<b>Description</b>	Message describing the alert.
<b>Syntax</b>	Octet String
<b>Access</b>	Read-only

#### Table 224. DRsAlertCurrentStatus

<b>Name</b>	drsAlertCurrentStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.4
<b>Description</b>	Current status of object causing the alert.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 225. DRsAlertPreviousStatus

<b>Name</b>	drsAlertPreviousStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.5
<b>Description</b>	Previous status of object causing the alert.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 226. DRsAlertData

<b>Name</b>	drsAlertData
<b>Object ID</b>	1.3.6.1.4.1.674.10892.2.5000.10.6
<b>Description</b>	Alert data
<b>Syntax</b>	Octet String
<b>Access</b>	Read-only

# OpenManage Enterprise-Modular Management Software Group

The Dell Remote Access Controller Out-of-Band MIB for Enterprise-Modular Management Software. This MIB consists of information for the following groups:

## Topics:

- [Product Information](#)
- [Firmware](#)
- [Chassis Status](#)
- [Chassis Power](#)
- [Power Information](#)
- [PSU Information](#)
- [Chassis Alerts 2](#)

## Product Information

The following MIB attributes provide product information for the Enterprise - Modular Management

**Table 227. DmmProductName**

<b>Name</b>	dmmProductName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.1
<b>Description</b>	This attribute defines the product name of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 228. DmmProductShortName**

<b>Name</b>	dmmProductShortName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.2
<b>Description</b>	This attribute defines the short product name of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 229. DmmProductDescription**

<b>Name</b>	dmmProductDescription
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.3
<b>Description</b>	This attribute defines the product description of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 230. DmmProductManufacturer**

<b>Name</b>	dmmProductManufacturer
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.4

<b>Description</b>	This attribute defines the product manufacturer of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 231. DmmProductVersion**

<b>Name</b>	dmmProductVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.5
<b>Description</b>	This attribute defines the product version of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 232. DmmChassisServiceTag**

<b>Name</b>	dmmChassisServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.6
<b>Description</b>	This attribute defines the Service Tag of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 233. DmmProductURL**

<b>Name</b>	dmmProductURL
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.7
<b>Description</b>	This attribute defines the out-of-band UI URL of a chassis management module.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 234. DmmProductChassisAssetTag**

<b>Name</b>	dmmProductChassisAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.8
<b>Description</b>	This attribute defines the Asset Tag of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 235. DmmProductChassisName**

<b>Name</b>	dmmProductChassisName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.9
<b>Description</b>	This attribute defines the name of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 236. DmmProductType**

<b>Name</b>	dmmProductType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.10
<b>Description</b>	This attribute defines type of a remote management module.
<b>Syntax</b>	DellString

**Access** Read-only

**Table 237. DmmProductChassisDataCenter**

<b>Name</b>	dmmProductChassisDataCenter
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.11
<b>Description</b>	This attribute defines the Data Center locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 238. DmmProductChassisAisle**

<b>Name</b>	dmmProductChassisAisle
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.12
<b>Description</b>	This attribute defines the Aisle locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 239. DmmProductChassisRack**

<b>Name</b>	dmmProductChassisRack
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.13
<b>Description</b>	This attribute defines the Rack locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 240. DmmProductChassisRackSlot**

<b>Name</b>	dmmProductChassisRackSlot
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.14
<b>Description</b>	This attribute defines the Rack Slot locator of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 241. DmmProductChassisModel**

<b>Name</b>	dmmProductChassisModel
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.15
<b>Description</b>	This attribute defines the Model of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 242. DmmProductChassisExpressServiceCode**

<b>Name</b>	dmmProductChassisExpressServiceCode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.16
<b>Description</b>	This attribute defines the Express Service Code of the chassis.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 243. DmmProductChassisSystemID**

<b>Name</b>	dmmProductChassisSystemID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.1.17
<b>Description</b>	This attribute defines the System ID of the chassis.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

## Firmware

The following MIB tables provide information on the chassis firmware for management module.

**Table 244. DmmFirmwareVersion**

<b>Name</b>	dmmFirmwareVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.2.1
<b>Description</b>	This attribute defines the firmware version of chassis management module 1.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 245. DmmFirmwareVersion2**

<b>Name</b>	dmmFirmwareVersion2
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.2.2
<b>Description</b>	This attribute defines the firmware version of chassis management module 2.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

## Chassis Status

The following MIB tables provide information on the chassis status for management module.

**Table 246. DmmIOMCurrStatus**

<b>Name</b>	dmmIOMCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.1
<b>Description</b>	This attribute defines the IOM subsystem status being monitored by the chassis management module .
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 247. DmmRedCurrStatus**

<b>Name</b>	dmmRedCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.2
<b>Description</b>	This attribute defines the Redundancy status being monitored by the chassis management module .
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 248. DmmPowerCurrStatus**

<b>Name</b>	dmmPowerCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.3
<b>Description</b>	This attribute defines the power subsystem health status being monitored by the chassis management module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 249. DmmFanCurrStatus**

<b>Name</b>	dmmFanCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.4
<b>Description</b>	This attribute defines the Fan subsystem health status being monitored by the chassis management module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 250. DmmBladeCurrStatus**

<b>Name</b>	dmmBladeCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.5
<b>Description</b>	This attribute defines the Blade subsystem health status being monitored by the chassis management module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 251. DmmTempCurrStatus**

<b>Name</b>	dmmTempCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.6
<b>Description</b>	This attribute defines the Temp Sensor subsystem health status being monitored by the chassis management module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 252. DmmMMCurrStatus**

<b>Name</b>	dmmMMCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.7
<b>Description</b>	This attribute defines the health status being monitored by the chassis management module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

**Table 253. DmmChassisFrontPanelAmbientTemperature**

<b>Name</b>	dmmChassisFrontPanelAmbientTemperature
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.3.1.8
<b>Description</b>	This attribute defines the ambient temperature reading (in degrees Celsius) for the chassis front panel module.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

# Chassis Power

The following MIB tables provide information on the chassis power for management module.

**Table 254. DmmPowerTable**

<b>Name</b>	dmmPowerTable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.4
<b>Description</b>	This object defines the power table.
<b>Syntax</b>	SEQUENCE OF DmmPowerTableEntry
<b>Access</b>	Read-only

**Table 255. DmmPowerTableEntry**

<b>Name</b>	dmmPowerTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.4.1
<b>Description</b>	This object defines the power table entry.
<b>Syntax</b>	DmmPowerTableEntry
<b>Access</b>	Read-only

**Table 256. DmmPSUTable**

<b>Name</b>	dmmPSUTable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.4.2
<b>Description</b>	This object defines the PSU table.
<b>Syntax</b>	SEQUENCE OF DmmPSUTableEntry
<b>Access</b>	Read-only

**Table 257. DmmPSUTableEntry**

<b>Name</b>	dmmPSUTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.1.4.2.1
<b>Description</b>	This object defines the PSU table entry.
<b>Syntax</b>	DmmPSUTableEntry
<b>Access</b>	Read-only

# Power Information

The following MIB attributes provide power information for the Enterprise - Modular Management

**Table 258. DmmPowerChassisIndex**

<b>Name</b>	dmmPowerChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.1
<b>Description</b>	This attribute defines the index (one-based) of the associated chassis .
<b>Syntax</b>	DellPowerIndexRange
<b>Access</b>	Read-only

**Table 259. DmmPowerIdlePower**

<b>Name</b>	dmmPowerIdlePower
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.2

<b>Description</b>	This attribute defines the power (in Watts) required by the chassis infrastructure, plus the sum of the minimum power requirements for all currently powered-on servers.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 260. DmmPowerKWhCumulative**

<b>Name</b>	dmmPowerKWhCumulative
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.3
<b>Description</b>	This attribute defines the cumulative chassis power usage (in KWh) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 261. DmmPowerKWhCumulativeTime**

<b>Name</b>	dmmPowerKWhCumulativeTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.4
<b>Description</b>	This attribute defines the timestamp of the most recent chassis power accumulator reset.
<b>Syntax</b>	DellTimestamp
<b>Access</b>	Read-only

**Table 262. DmmPowerWattsPeakUsage**

<b>Name</b>	dmmPowerWattsPeakUsage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.5
<b>Description</b>	This attribute defines the chassis peak power usage (in Watts) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 263. DmmPowerWattsPeakTime**

<b>Name</b>	dmmPowerWattsPeakTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.6
<b>Description</b>	This attribute defines the timestamp of the most recent chassis peak power usage.
<b>Syntax</b>	DellTimestamp
<b>Access</b>	Read-only

**Table 264. DmmPowerWattsMinUsage**

<b>Name</b>	dmmPowerWattsMinUsage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.7
<b>Description</b>	This attribute defines the chassis minimum power usage (in Watts) since last reset.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 265. DmmPowerWattsMinTime**

<b>Name</b>	dmmPowerWattsMinTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.8
<b>Description</b>	This attribute defines the timestamp of the most recent chassis minimum power usage.
<b>Syntax</b>	DellTimestamp

**Access** Read-only

**Table 266. DmmPowerWattsReading**

<b>Name</b>	dmmPowerWattsReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.1.1.9
<b>Description</b>	This attribute defines the instantaneous chassis power usage (in Watts) .
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

## PSU Information

The following MIB attributes provide psu information for the Enterprise - Modular Management

**Table 267. DmmPSUChassisIndex**

<b>Name</b>	dmmPSUChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.1
<b>Description</b>	This attribute defines the index (one-based) of the associated chassis .
<b>Syntax</b>	DellPowerIndexRange
<b>Access</b>	Read-only

**Table 268. DmmPSUIndex**

<b>Name</b>	dmmPSUIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.2
<b>Description</b>	This attribute defines the index (one-based) of the associated PSU .
<b>Syntax</b>	DellPSUIndexRange
<b>Access</b>	Read-only

**Table 269. DmmPSULocation**

<b>Name</b>	dmmPSULocation
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.3
<b>Description</b>	This attribute defines the location of the PSU.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 270. DmPSUState**

<b>Name</b>	dmmPSUState
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.4
<b>Description</b>	This attribute defines the enabled state of of the PSU.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 271. DmmPSUType**

<b>Name</b>	dmmPSUType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.5
<b>Description</b>	This attribute defines the type of the PSU.

<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 272. DmmPSUCapacity**

<b>Name</b>	dmmPSUCapacity
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.6
<b>Description</b>	This attribute defines the capacity in watts of the PSU.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 273. DmmPSUVoltage**

<b>Name</b>	dmmPSUVoltage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.7
<b>Description</b>	This attribute defines the input voltage of the PSU.
<b>Syntax</b>	DellPowerReading
<b>Access</b>	Read-only

**Table 274. DmmPSUCurrStatus**

<b>Name</b>	dmmPSUCurrStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.4.2.1.8
<b>Description</b>	This attribute defines the current status of the PSU.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

## Chassis Alerts 2

The following MIB tables provide information on the chassis status for management module.

**Table 275. DmmCA2MessageID**

<b>Name</b>	dmmCA2MessageID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.5.1.1
<b>Description</b>	Message ID of the alert.
<b>Syntax</b>	DisplayString
<b>Access</b>	Read-only

**Table 276. DmmCA2Message**

<b>Name</b>	dmmCA2Message
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.5.1.2
<b>Description</b>	Message describing the alert.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

**Table 277. DmmCA2MessageArgs**

<b>Name</b>	dmmCA2MessageArgs
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.5.1.3

<b>Description</b>	Concatenated set of strings representing any message arguments that were used to construct the alert message. Each message argument string is enclosed in double quotes, and there is a comma after the ending double quote of each message argument string, except the last one. Any double quotes found within a message argument string were preprocessed and changed to single quotes.
<b>Syntax</b>	DellString
<b>Access</b>	Read-only

#### Table 278. DmmCA2AlertStatus

<b>Name</b>	dmmCA2AlertStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.5.1.4
<b>Description</b>	Status of the alert.
<b>Syntax</b>	DellStatus
<b>Access</b>	Read-only

#### Table 279. DmmCA2FGDD

<b>Name</b>	dmmCA2FGDD
<b>Object ID</b>	1.3.6.1.4.1.674.10892.6.5.1.5
<b>Description</b>	Fully qualified device descriptor of device causing the alert.
<b>Syntax</b>	DisplayString
<b>Access</b>	Read-only

# SNMP Traps

SNMP is frequently used to monitor systems for fault conditions such as temperature violations, hard drive failures. Management applications can monitor for these conditions by polling the appropriate OIDs with the Get command and analyzing the returned data. This method has its drawbacks. If it is done frequently, significant amounts of network bandwidth can be consumed. If it is done infrequently, the response to the fault condition may not occur in a timely fashion. SNMP traps avoid these limitations of the polling method.

An SNMP trap is an asynchronous event indicating that something significant has occurred. This is analogous to a pager receiving an important message, except that the SNMP trap frequently contains all the information needed to diagnose a fault.

Two drawbacks to SNMP traps are that they are sent using UDP, which is not a guaranteed delivery mechanism, and that they are not acknowledged by the receiver.

An SNMP trap message contains the trap's enterprise OID, the agent IP address, a generic trap ID, the specific trap ID, a time stamp, and zero or more variable bindings (varbinds). The combination of an enterprise OID and a specific trap ID uniquely identifies each Server Administrator-defined trap. A varbind consists of an OID and its value and provides additional information about the trap.

In order for a management system to receive SNMP traps from a managed system, the node must be configured to send traps to the management system. Trap destination configuration depends on the operating system. When this configuration is done, a management application on the management system can wait for traps and act on them when received.

**NOTE:** For the list of storage management alerts and storage management messages, see the *Dell OpenManage Server Administrator Messages Reference Guide* available on the Dell Support site at [dell.com/openmanagemanuals](http://dell.com/openmanagemanuals) navigate to **OpenManage Software and select the version required.**

For a list of traps supported by the Remote Access Controller, see RAC Traps, BMC Traps, iDRAC7 and later Traps.

## Topics:

- [Understanding Trap Severity](#)
- [RAC Traps](#)
- [BMC Traps](#)
- [PowerEdge M1000e CMC Traps](#)
- [PowerEdge VRTX CMC 3.3 , PowerEdge FX2 CMC 2.3 and OM Enterprise Modular Traps 1.10.00](#)

## Understanding Trap Severity

Traps often contain information about values recorded by probes or sensors. Probes and sensors monitor critical components for values such as amperage, voltage, and temperature. When an event occurs on your system, the Server Administrator sends information about one of the following event types to the system management console:

- **Information/Informational**—An event that describes the successful operation of a unit, such as a power supply turning on or a sensor reading returning to normal.
- **Warning** — An event that is not necessarily significant, but may indicate a possible future problem, such as crossing a warning threshold.
- **Critical/Error** — A significant event that indicates actual or imminent loss of data or loss of function, such as crossing a failure threshold or a hardware failure.

## RAC Traps

This section describes the traps that are generated by the SNMP agent of the Remote Access Controller (RAC). All the enterprise-specific traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.2 and are sent with all the trap variables documented in the section. The trap variables are sent in the order in which they are listed.

**NOTE:** The **PowerEdge M1000e CMC, PowerEdge VRTX CMC and PowerEdge FX2 CMC do not generate the traps in this section. They generate the traps documented in the CMC Traps.**

**Table 280. RAC Traps**

TrapID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
0	CodeStart	SNMP agent is initializing itself	Information	Status	RAC power on or reset.	All
1	Authentication	Failure Request received with an invalid community name	Critical	Error	SNMP request with an invalid community name.	All
1001	alertDrscTest TrapEvent	The RAC generated a test trap event in response to a user request	Information	Status	A test SNMP trap generated by a RAC.	All
1002	alertDrscAuth Error	RAC Authentication failures during a time period have exceeded a threshold	Minor	Error	RAC login failure caused by authentication failure, number of concurrent logins exceed limit, or permission denied.	All
1015	alertDrscSEL	Warning The RAC has detected a new event in the System Event Log with Severity: Warning	Major	Error	RAC detected a new system event log with warning severity (detailed log info is in drsAlert Message varbind).	All
1016	alertDrscSEL	Critical The RAC has detected a new event in the System Event Log with Severity: Critical	Critical	Error	RAC detected a new system event log with critical severity (detailed log info is in drsAlert Message varbind).	All
1017	alertDrscSEL 80 percentFull	The RAC system event log is 80% full	Major	Status	RAC detected system event log is 80% full.	All
1018	alertDrscSEL 90 percentFull	The RAC system event log is 90% full	Major	Status	RAC detected system event log is 90% full.	All
1018	alertDrscSEL 90 percentFull	The RAC system event log is 90% full	Major	Status	RAC detected system event log is 90% full.	All
1020	alertDrscSEL Normal	The RAC has detected a new event in the System Event Log with Severity: Normal	Information	Error	RAC detected a new system event log with normal severity (detailed log info is in drsAlert Message varbind).	All

## BMC Traps

The BMC monitors the system for critical events by communicating with various sensors on the system board and by sending alerts and log events when certain parameters exceed their preset thresholds. All the traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.3183.1.1.1.

**Table 281. BMC Traps**

<b>TrapID</b>	<b>Description</b>	<b>Severity</b>
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Information
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Information
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Information
65792	Under-Temperature Warning (Lower non-critical, going low)	Warning
65920	Under-Temperature Warning Cleared	Information
65794	Under-Temperature Problem (Lower Critical - going low)	Critical
65922	Under-Temperature Problem Cleared	Information
65799	Over-Temperature warning (Upper non-critical, going high)	Minor
65927	Over-Temperature warning Cleared	Information
65801	Over-Temperature Problem (Upper Critical - going high)	Critical
65929	Over-Temperature Problem Cleared	Information
131328	Under-Voltage Warning (Lower Non Critical - going low)	Warning
131456	Under-Voltage Warning Cleared	Information
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Information
131335	Over-Voltage Warning (Upper Non Critical - going high)	Warning
131463	Over-Voltage Warning Cleared	Information
131337	Over-Voltage Problem (Upper Critical - going high)	Critical
131465	Over-Voltage Problem Cleared	Information
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Information
356096	Chassis Intrusion - Physical Security Violation	Critical
356224	Chassis Intrusion (Physical Security Violation) Event Cleared	Information
262400	Generic Predictive Fan Failure (predictive failure asserted)	Minor
262528	Generic Predictive Fan Failure Cleared	Information
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Information
264962	Fan redundancy has been degraded	Warning
264961	Fan Redundancy Lost	Critical

TrapID	Description	Severity
264960	Fan redundancy has returned to Normal	Information
2715392	Battery Low (Predictive Failure)	Warning
2715520	Battery Low (Predictive Failure) Cleared	Information
2715393	Battery Failure	Critical
2715521	Battery Failure Cleared	Information
487169	CPU Thermal Trip (Over Temperature Shutdown)	Critical
487297	CPU Thermal Trip (Over Temperature Shutdown) Cleared	Information
487168	CPU Internal Error Critical 487296 CPU Internal Error Cleared	Information
487173	CPU Configuration Error	Critical
487301	CPU Configuration Error Cleared	Information
487175	CPU Presence (Processor Presence detected)	Information
487303	CPU Not Present (Processor Not Present)	Critical
487170	CPU BIST (Built In Self Test) Failure	Critical
487298	CPU BIST (Built In Self Test) Failure Cleared	Information
487176	CPU Disabled (Processor Disabled)	Critical
487304	CPU Enabled (Processor Enabled)	Information
487178	CPU Throttle (Processor Speed Reduced)	Warning
487306	CPU Throttle Cleared (Normal Processor Speed)	Information
527106	Power Supply Redundancy Degraded	Warning
527105	Power Supply Redundancy Lost	Critical
527104	Power Supply Redundancy has returned to Normal	Information
552704	Power Supply Inserted	Information
552832	Power Supply Removed	Warning
552705	Power Supply Failure	Critical
552833	Power Supply Failure Cleared	Information
552706	Power Supply Warning	Warning
552834	Power Supply Warning Cleared	Information
552707	Power Supply AC Lost	Critical
552835	Power Supply AC Restored	Information
789249	Memory Redundancy has been Lost	Critical
789248	Memory redundancy has returned to Normal	Information
1076994	System Event Log (SEL) Cleared	Information
1076996	System Event Log (SEL) Full (Logging Disabled)	Critical
2322176	ASR (Automatic System Recovery) Timer Expired	Critical
2322177	ASR (Automatic System Recovery) Reset Occurred	Critical

TrapID	Description	Severity
2322178	ASR (Automatic System Recovery) Power Down Occurred	Critical
2322179	ASR (Automatic System Recovery) Power Cycle Occurred	Critical

## PowerEdge M1000e CMC Traps

This section describes the traps that are generated by the SNMP agent of the PowerEdge M1000e CMC. All of the enterprise-specific traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.2 and are sent with the following trap variables: drsProductChassisName, drsProductChassisLocation, drsGlobalCurrStatus, drsCASubSystem, drsCASSCurrStatus, drsCASSPrevStatus, drsCASSChangeTime and drsCAMessage.

PowerEdge M1000e CMC version 5.0 and later supports a setting to generate the traps listed in the section "PowerEdge VRTX CMC Traps and PowerEdge FX2 CMC Traps". The setting is named "Enable Enhanced Chassis Logging and Events" in the PowerEdge M1000e CMC GUI and is located in the General Chassis Settings page which can be found by navigating to Chassis Overview -> Setup -> General in the CMC GUI. When the setting is disabled, the traps listed in this section are generated by the CMC. When the setting is enabled, the traps listed in the section "PowerEdge VRTX CMC Traps and PowerEdge FX2 CMC Traps" are generated by the CMC instead of the traps listed in this section. The setting is disabled by default. The trap variables are defined in the [Dell Remote Access Controller Out-of-Band Group](#) section.

**Table 282. PowerEdge M1000e CMC traps**

TrapID	Name	Description	Severity	Category
2000	alertCMCTestTrap	CMC has generated a test trap.	Informational	Error Events
2002	alertCMCNormalTrap	CMC reported a return-to-normal or informational event.	Normal	Error Events
2003	alertCMCWarningTrap	CMC reported a warning event.	Warning	Error Events
2004	alertCMCCriticalTrap	CMC reported a critical event.	Critical	Error Events
2005	alertCMCNonRecoverableTrap	CMC reported a catastrophic event.	Non-Recoverable	Error Events

## PowerEdge VRTX CMC 3.3 , PowerEdge FX2 CMC 2.3 and OM Enterprise Modular Traps 1.10.00

This section defines the traps that are generated by the SNMP agent of the PowerEdge VRTX CMC , PowerEdge FX2 CMC and OM Enterprise Modular. All of the enterprise-specific traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.2.21 and OID 1.3.6.1.4.1.674.10892.6.5.0 , are sent with the following trap variables: drsCA2MessageID, drsCA2Message, drsCA2MessageArgs, drsCA2AlertStatus, drsCA2FQDD, drsProductChassisName, drsProductChassisLocation, drsChassisServiceTag and drsGlobalCurrStatus. The trap variables are defined in the [Dell Remote Access Controller Out-of-Band Group](#) section.

## System Trap Group

The System Trap Group contains traps that fall under the System event category.

**Table 283. Amperage Probe Traps**

TrapID	Description	Category	SubCategory	Severity
alert2AmperageProbeNormal 2179	Current sensor reading is within range.	Status Events	Amperage	Informational
alert2AmperageProbeWarning				

TrapID	Description	Category	SubCategory	Severity
2178	Current sensor has detected a warning value.	Status Events	Amperage	Minor
alert2AmperageProbeFailure				
2177	Current sensor has detected a failure value.	Error Events	Amperage	Critical

**Table 284. Battery Traps**

TrapID	Description	Category	SubCategory	Severity
alert2BatteryNormal				
2227	Battery state has returned to normal; or battery presence had been detected.	Status Events	Battery	Informational
alert2BatteryWarning				
2226	Battery is low.	Status Events	Battery	Minor
alert2BatteryFailure				
2225	Battery has failed or battery is absent.	Error Events	Battery	Critical

**Table 285. Cable Traps**

TrapID	Description	Category	SubCategory	Severity
alert2CableFailure				
2393	Cable failure.	Error Events	Cable	Critical

**Table 286. CMC Traps**

TrapID	Description	Category	SubCategory	Severity
alert2CMCWarning				
2546	Chassis Management Controller detected a warning.	Status Events	CMC	Minor
alert2CMCFailure				
2545	Chassis Management Controller detected an error.	Error Events	CMC	Critical

**Table 287. Fan Traps**

TrapID	Description	Category	SubCategory	Severity
alert2FanInformation				
2155	Fan information.	Status Events	Fan	Informational
alert2FanWarning				
2154	Fan warning.	Status Events	Fan	Minor
alert2FanFailure				
2153	Fan failure.	Error Events	Fan	Critical

**Table 288. Hardware Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
alert2HardwareConfigurationInformation				
2331	Hardware configuration information.	Status Events	Hardware Configuration	Informational
alert2HardwareConfigurationWarning				

TrapID	Description	Category	SubCategory	Severity
2330	Hardware configuration warning.	Status Events	Hardware Configuration	Minor
alert2HardwareConfigurationFailure				
2329	Hardware configuration failure or critical event.	Error Events	Hardware Configuration	Critical

**Table 289. IO Virtualization Traps**

TrapID	Description	Category	SubCategory	Severity
alert2IOVirtualizationWarning				
2554	IO Virtualization warning.	Status Events	IO Virtualization	Minor
alert2IOVirtualizationFailure				
2553	IO Virtualization failure or critical event.	Error Events	IO Virtualization	Critical

**Table 290. Link Status Traps**

TrapID	Description	Category	SubCategory	Severity
alert2LinkStatusInformation				
2251	Link status information.	Status Events	Link Status	Informational
alert2LinkStatusWarning				
2250	Link status warning.	Status Events	Link Status	Minor
alert2LinkStatusFailure				
2249	Link status failure or critical event.	Error Events	Link Status	Critical

**Table 291. Power Supply Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PowerSupplyNormal				
2187	Power supply has returned to normal.	Status Events	Power Supply	Informational
alert2PowerSupplyWarning				
2186	Power supply has detected a warning.	Status Events	Power Supply	Minor
alert2PowerSupplyFailure				
2185	Power supply has detected a failure.	Error Events	Power Supply	Critical
alert2PowerSupplyRedundancyPolicyChanged				
8331	PSU redundancy policy changed.	Status Events	Power Supply	Informational

**Table 292. Power Supply Absent Trap**

TrapID	Description	Category	SubCategory	Severity
alert2PowerSupplyAbsent				
2465	Power supply is absent.	Error Events	Power Supply	Critical

**Table 293. Power Usage Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PowerUsageInformation				
2275	Power usage information.	Status Events	Power Supply	Informational
alert2PowerUsageWarning				

TrapID	Description	Category	SubCategory	Severity
2274 alert2PowerUsageFailure	Power Usage Warning.	Status Events	Power Supply	Minor
2273	Power Usage Failure.	Error Events	Power Supply	Critical

**Table 294. Redundancy Traps**

TrapID	Description	Category	SubCategory	Severity
alert2RedundancyInformation				
2475 alert2RedundancyDegraded	Redundancy information.	Status Events	Redundancy	Informational
2474 alert2RedundancyLost	Redundancy is degraded.	Status Events	Redundancy	Minor
2473	Redundancy is lost.	Error Events	Redundancy	Critical

**Table 295. Security Event Traps**

TrapID	Description	Category	SubCategory	Severity
alert2SecurityInformation				
2387 alert2SecurityWarning	Security information.	Status Events	Security	Informational
2386 alert2SecurityFailure.	Security Warning	Status Events	Security	Minor
2385	Security failure or critical event.	Error Events	Security	Critical

**Table 296. System Event Log Traps**

TrapID	Description	Category	SubCategory	Severity
alert2SystemEventLogInformation				
2379 alert2SystemEventLogWarning	System Event Log information.	Status Events	System Event Log	Informational
2378 alert2SystemEventLogFailure	System Event Log warning.	Status Events	System Event Log	Minor
2377	System Event Log failure or critical event.	Error Events	System Event Log	Critical

**Table 297. Software Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
alert2SoftwareConfigurationInformation				
2339 alert2SoftwareConfigurationWarning	Software configuration information.	Status Events	Software Configuration	Informational
2338 alert2SoftwareConfigurationFailure	Software configuration warning.	Status Events	Software Configuration	Minor
2337	Software Configuration Failure.	Error Events	Software Configuration	Critical

**Table 298. Temperature Probe Traps**

TrapID	Description	Category	SubCategory	Severity
alert2TemperatureProbeNormal 2163	Temperature sensor value is within range.	Status Events	Temperature	Informational
alert2TemperatureProbeWarning 2162	Temperature sensor has detected a warning value.	Status Events	Temperature	Minor
alert2TemperatureProbeFailure 2161	Temperature sensor has detected a failure value.	Error Events	Temperature	Critical
alert2IOMTemperatureExceeded 8305	I/O Module <iom slot name> temperature exceeded operating range.	Error Events	Temperature	Critical
alert2Unable2ReadTemperatureSensors 8306	Unable to read planar board temperature sensors. The cooling has been increased to safeguard the system.	Error Events	Temperature	Minor

**Table 299. Voltage Probe Traps**

TrapID	Description	Category	SubCategory	Severity
alert2VoltageProbeNormal 2171	Voltage sensor reading is within range.	Status Events	Voltage	Informational
alert2VoltageProbeWarning 2170	Voltage sensor has detected a warning value.	Status Events	Voltage	Minor
alert2VoltageProbeFailure 2169	Voltage sensor has detected a failure value.	Error Events	Voltage	Critical

## Storage Trap Group

The Storage Trap Group contains traps that fall under the Storage event category.

**Table 300. Storage Battery Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageBatteryInformation 4275	Storage battery information.	Error Events	Battery	Informational
alert2StorageBatteryWarning 4274	Storage battery warning.	Error Events	Battery	Minor
alert2StorageBatteryFailure 4273	Storage battery failure.	Error Events	Battery	Critical

**Table 301. Storage Controller Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageControllerInformation 4331	Storage controller information.	Error Events	Controller	Informational
alert2StorageControllerWarning 4330	Storage controller warning.	Error Events	Controller	Minor
alert2StorageControllerFailure 4329	Storage controller failure.	Error Events	Controller	Critical

**Table 302. Storage Enclosure Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageEnclosureInformation 4339	Storage enclosure information.	Error Events	Enclosure	Informational
alert2StorageEnclosureWarning 4338	Storage enclosure warning.	Error Events	Enclosure	Minor
alert2StorageEnclosureFailure 4337	Storage enclosure failure.	Error Events	Enclosure	Critical

**Table 303. Storage Fan Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageFanInformation 4203	Storage fan information.	Error Events	Fan	Informational
alert2StorageFanWarning 4202	Storage fan warning.	Status Events	Fan	Minor
alert2StorageFanFailure 4201	Storage fan failure.	Error Events	Fan	Critical

**Table 304. Storage Physical Disk Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StoragePhysicalDiskInformation 4347	Storage physical disk information.	Error Events	Physical Disk	Informational
alert2StoragePhysicalDiskWarning 4346	Storage physical disk warning.	Error Events	Physical Disk	Minor
alert2StoragePhysicalDiskFailure 4345	Storage physical disk failure.	Error Events	Physical Disk	Critical

**Table 305. Storage Power Supply Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StoragePowerSupplyInformation 4235	Storage power supply information.	Error Events	Power Supply	Informational
alert2StoragePowerSupplyWarning 4234	Storage power supply warning.	Error Events	Power Supply	Minor
alert2StoragePowerSupplyFailure 4233	Storage power supply failure.	Error Events	Power Supply	Critical

**Table 306. Security Event Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageSecurityInformation 4435	Storage Security information.	Status Events	Security Event	Informational
alert2StorageSecurityWarning 4434	Storage Security warning.	Status Events	Security Event	Minor
alert2StorageSecurityFailure 4433	Storage Security failure or critical event	Error Events	Security Event	Critical

**Table 307. Storage Management Status Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageManagementInformation 4179	Storage Management information. There is no global status change associated with this trap.	Error Events	Storage Management	Informational
alert2StorageManagementWarning 4178	Storage Management has detected a device independent warning condition. There is no global status change associated with this trap.	Error Events	Storage Management	Minor
alert2StorageManagementFailure 4177	Storage Management has detected a device independent error condition. There is no global status change associated with this trap.	Error Events	Storage Management	Critical

**Table 308. Storage Temperature Probe Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageTemperatureProbeInformation 4211	Storage temperature probe information.	Error Events	Temperature Probe	Informational
alert2StorageTemperatureProbeWarning 4210	Storage temperature probe warning.	Error Events	Temperature Probe	Minor
alert2StorageTemperatureProbeFailure 4209	Storage temperature probe failure.	Error Events	Temperature Probe	Critical

**Table 309. Storage Virtual Disk Traps**

TrapID	Description	Category	Subcategory	Severity
alert2StorageVirtualDiskInformation 4355	Storage virtual disk information.	Error Events	Virtual Disk	Informational
alert2StorageVirtualDiskWarning 4354	Storage virtual disk warning.	Error Events	Virtual Disk	Minor
alert2StorageVirtualDiskFailure 4353	Storage Virtual disk failure.	Error Events	Virtual Disk	Critical

# Audit Traps

The Audit Trap group contains traps that fall under the Audit event category.

**Table 310. Audit CMC Traps**

TrapID	Description	Category	SubCategory	Severity
alert2CMCAuditInformation				
8691	Chassis Management Controller audit information.	Status Events	CMC	Informational
alert2CMCAuditWarning				
8690	Chassis Management Controller audit warning.	Status Events	CMC	Minor
alert2CMCAuditFailure				
8689	Chassis Management Controller audit failure or critical event.	Error Events	CMC	Critical

**Table 311. Audit IO Virtualization Traps**

TrapID	Description	Category	SubCategory	Severity
alert2IOVirtualizationAuditWarning				
8698	IO Virtualization audit warning.	Status Events	IO Virtualization	Minor

**Table 312. Audit License Traps**

TrapID	Description	Category	SubCategory	Severity
alert2LicenseInformation				
8515	License information.	Status Events	License	Informational
alert2LicenseWarning				
8514	License warning.	Status Events	License	Minor
alert2LicenseFailure				
8513	License failure.	Error Events	License	Critical

**Table 313. Audit PCI Device Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PCIDeviceAuditWarning				
8562	PCI device audit warning.	Status Events	PCI Device	Minor

**Table 314. Audit Power Supply Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PowerSupplyAuditWarning				
8330	Power supply audit warning.	Status Events	Power Supply	Minor
alert2PowerSupplyAuditFailure				
8329	Power supply audit failure or critical event.	Error Events	Power Supply	Critical

**Table 315. Audit Power Usage Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PowerUsageAuditInformation				
8419	Power usage audit information.	Status Events	Power Usage	Informational

TrapID	Description	Category	SubCategory	Severity
alert2PowerUsageAuditWarning 8418	Power usage audit warning.	Status Events	Power Usage	Minor
alert2PowerUsageAuditFailure 8417	Power usage audit failure or critical event.	Error Events	Power Usage	Critical

**Table 316. Audit Software Change Traps**

TrapID	Description	Category	SubCategory	Severity
alert2SoftwareChangeAuditFailure 8361	Software change audit failure or critical event.	Error Events	Software Change	Critical

## Configuration Traps

The Configuration Trap group contains traps that fall under the Configuration event category.

**Table 317. Configuration IO Virtualization Traps**

TrapID	Description	Category	SubCategory	Severity
alert2IOVConfigurationInformation 10747	IO virtualization configuration information.	Status Events	IO Virtualization	Informational
alert2IOVConfigurationWarning 10746	IO Virtualization configuration warning.	Status Events	IO Virtualization	Minor

**Table 318. Configuration PCI Device Traps**

TrapID	Description	Category	SubCategory	Severity
alert2PCIDeviceConfigurationInformation 10611	PCI device configuration information.	Status Events	PCI Device	Informational

**Table 319. Software Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
alert2SWCCConfigurationWarning 10530	Software configuration warning.	Status Events	Software Config	Minor
alert2SWCCConfigurationFailure 10529	Software configuration failure.	Error Events	Software Config	Critical

**Table 320. Configuration Test Traps**

TrapID	Description	Category	SubCategory	Severity
alert2CMCTestTrap 10395	Test trap generated by CMC in response to a user request.	Status Events	Test	Informational

## Updates Traps

The Updates Trap group contains traps that fall under the Updates event category.

**Table 321. Software Change Traps**

<b>TrapID</b>	<b>Description</b>	<b>Category</b>	<b>Subcategory</b>	<b>Severity</b>
alert2SoftwareChangeUpdateWarning 6314	Software change update warning.	Status Events	Software Change	Minor

# iDRAC MIB

The Integrated Dell Remote Access Controller (iDRAC) MIB (filename **iDRAC-SMIv1.mib/ iDRAC-SMIv2.mib**) is the MIB supported by the Integrated Dell Remote Access Controller 7 and later versions (iDRAC7, iDRAC8 and iDRAC9). This MIB provides management data that allows you to monitor devices and software on a system via an out-of-band connection to the iDRAC7 and later of a system.

**NOTE:** From iDRAC7 firmware release r1.30.30 or later, the iDRAC7 and later MIB file is published in both types of SMI (Structure of Managed Information) notations: SMIv1 and SMIv2. The SMIv1 copy of the iDRAC7 and later MIB file is named iDRAC-SMIv1.mib. And the SMIv2 copy is named iDRAC-SMIv2.mib. Prior to iDRAC7 firmware release r1.30.30, only a SMIv1 copy was published. And the file name of the SMIv1 copy was iDRAC-MIB.txt.

## Topics:

- [Supported Systems](#)
- [iDRAC Supported SNMP Versions](#)
- [iDRAC SNMP Data Security Features](#)
- [iDRAC Out-of-Band Group](#)
- [iDRAC Traps](#)

## Supported Systems

The iDRAC MIB supported on the following systems for this release:

### Blade Servers

The Blade servers for this release:

- PowerEdge M830
- PowerEdge FC430

### Rack and Tower Servers

The Rack and Tower servers for this release:

- PowerEdge R930
- PowerEdge R530xd
- C6320
- PowerEdge FX2/FX2s 1.2
- PowerEdge FD332
- DSS 2500
- DSS 1500

## iDRAC Supported SNMP Versions

The following table identifies the SNMP versions that support iDRAC for the given SNMP operations.

**Table 322. iDRAC Supported SNMP Versions**

SNMP Operations	Supported SNMP version
GET, GETNEXT, GETBULK	SNMP v1, v2c and v3
TRAP	SNMP v1, SNMP v2c and SNMP v3

**NOTE:** iDRAC does not support the SNMP SET operation for any data.

**NOTE:** iDRAC7 firmware release r1.30.30 or later supports SNMP query operations (GET, GETNEXT, GETBULK) through the SNMPv3 protocol. In addition to supporting query operations through the SNMP v1 and SNMP v2c protocols, SNMP User Security Model (USM) is supported.

## iDRAC SNMP Data Security Features

iDRAC firmware supports the following data security features:

- SNMP security lockout feature
  - iDRAC supports a simply, non-configurable SNMP security lockout feature. If more than six SNMPv3 USM authentication failures occur within a 2-minute window, then the iDRAC SNMP Agent blocks all subsequent SNMPv3 requests/queries for 10 minutes.
- Restriction of access to **sensitive** data
  - Some of the MIB data that iDRAC supports can only be accessed via SNMPv3 queries. Access to such data is blocked for SNMPv1 and SNMPv2c queries.
  - Currently, the following one attribute, and one table, are considered to be “sensitive” data and have this restriction:
    - numLCLogEntries (which has an SNMP OID of: 1.3.6.1.4.1.674.10892.5.4.300.2.0)
    - lCLogTable (which has an SNMP OID of: 1.3.6.1.4.1.674.10892.5.4.300.90)

## iDRAC Out-of-Band Group

The objects of the Integrated Dell Remote Access Controller (iDRAC) MIB ( **iDRAC-SMlv1.mib** and **iDRAC-SMlv2.mib** ) are organized into subgroups of the iDRAC Out-of-Band Group. The subgroups are:

- RAC Information Group
- Chassis Information Group
- System Information Group
- Status Group
- System Details Group
- Storage Details Group

The following sections document the subgroups and the objects within each subgroup.

## RAC Information Group

The RAC Information Group objects provide information about the iDRAC.

**Table 323. RAC Name**

<b>Name</b>	racName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.1.0
<b>Description</b>	This attribute defines the product name of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 324. RAC Short Name**

<b>Name</b>	racShortName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.2.0
<b>Description</b>	This attribute defines the short product name of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 325. RAC Description**

<b>Name</b>	racDescription
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.3.0
<b>Description</b>	This attribute defines the product description of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 326. RAC Manufacturer**

<b>Name</b>	racManufacturer
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.4.0
<b>Description</b>	This attribute defines the product manufacturer of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 327. RAC Version**

<b>Name</b>	racVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.5.0
<b>Description</b>	This attribute defines the product version of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 328. RAC URL**

<b>Name</b>	racURL
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.6.0
<b>Description</b>	This attribute defines the out-of-band UI URL of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 329. RAC Type**

<b>Name</b>	racType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.7.0
<b>Description</b>	This attribute defines the type of a remote access card.
<b>Syntax</b>	RacTypeEnum
<b>Access</b>	Read-only

**Table 330. RAC Firmware Version**

<b>Name</b>	racFirmwareVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.1.8.0
<b>Description</b>	This attribute defines the firmware version of a remote access card.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

## Chassis Information Group

The Chassis Information Group objects provide information about the modular chassis in which a blade system resides.

**NOTE:** This Chassis information is only available for modular/blade systems. For Rack and Tower systems, the information is empty. Currently there is just one object under the Chassis Information Group.

**Table 331. Chassis Service Tag**

<b>Name</b>	chassisServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.2.1.0
<b>Description</b>	This attribute defines the service tag of the enclosing chassis.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 332. Chassis Name Modular**

<b>Name</b>	chassisNameModular
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.2.2.0
<b>Description</b>	This attribute defines the chassis name of the modular chassis. The value is zero length if not a modular system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 333. Chassis Model Modular**

<b>Name</b>	chassisModelModular
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.2.3.0
<b>Description</b>	This attribute defines the model of the modular chassis. The value is zero length if not a modular system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

## System Information Group

The System Information Group objects provide information about the system in which the iDRAC resides.

**Table 334. System Fully Qualified Domain Name**

<b>Name</b>	systemFQDN
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.1.0
<b>Description</b>	This attribute defines the fully qualified domain name of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 335. System Service Tag**

<b>Name</b>	systemServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.2.0
<b>Description</b>	This attribute defines the service tag of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 336. System Express Service Code**

<b>Name</b>	systemExpressServiceCode
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<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.3.0
<b>Description</b>	This attribute defines the express service code of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 337. System Asset Tag**

<b>Name</b>	systemAssetTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.4.0
<b>Description.</b>	This attribute defines the asset tag of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 338. System Blade Slot Number**

<b>Name</b>	systemBladeSlotNumber
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.5.0
<b>Description</b>	This attribute defines the slot number of the blade in the chassis.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 339. System Operating System Name**

<b>Name</b>	systemOSName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.6.0
<b>Description</b>	This attribute defines the name of the operating system that the host is running.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 340. System Form Factor**

<b>Name</b>	systemFormFactor
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.7.0
<b>Description</b>	This attribute defines the form factor of the system.
<b>Syntax</b>	SystemFormFactorEnum
<b>Access</b>	Read-only

**Table 341. System Data Center Name**

<b>Name</b>	systemDataCenterName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.8.0
<b>Description</b>	This attribute defines the Data Center locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 342. System Aisle Name**

<b>Name</b>	systemAisleName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.9.0
<b>Description</b>	This attribute defines the Aisle locator of the system.

<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 343. System Rack Name

<b>Name</b>	systemRackName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.10.0
<b>Description</b>	This attribute defines the Rack locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 344. System Rack Slot

<b>Name</b>	systemRackSlot
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.11.0
<b>Description</b>	This attribute defines the Rack Slot locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 345. System Model Name

<b>Name</b>	systemModelName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.12.0
<b>Description</b>	This attribute defines the model name of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 346. System System ID

<b>Name</b>	systemSystemID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.13.0
<b>Description</b>	This attribute defines the system ID of the system.
<b>Syntax</b>	Unsigned16BitRange
<b>Access</b>	Read-only

#### Table 347. System OS Version

<b>Name</b>	systemOSVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.14.0
<b>Description</b>	This attribute defines the version of the operating system that the host is running.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

#### Table 348. System Room Name

<b>Name</b>	systemRoomName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.15.0
<b>Description</b>	This attribute defines the Room locator of the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 349. System Chassis System Height**

<b>Name</b>	systemChassisSystemHeight
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.16.0
<b>Description</b>	This attribute defines the height of the system, in 'U's. A U is a standard unit of measure for the height of a rack or rack-mountable component.
<b>Syntax</b>	INTEGER
<b>Access</b>	Read-only

**Table 350. System Blade Geometry**

<b>Name</b>	systemBladeGeometry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.17.0
<b>Description</b>	This attribute defines the blade geometry for a blade system. (If not applicable, a 'no such name' error is returned.)
<b>Syntax</b>	BladeGeometryEnum
<b>Access</b>	Read-only

**Table 351. System Node ID**

<b>Name</b>	systemNodeID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.18.0
<b>Description</b>	This attribute defines the node ID of the system. The node ID provides a unique identifier for the system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 352. System OEM OS Version**

<b>Name</b>	systemOEMOSVersion
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.19.0
<b>Description</b>	This attribute defines the OEM version of the operating system.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 353. System Lockdown Mode**

<b>Name</b>	systemLockdownMode
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.1.3.20.0
<b>Description</b>	This attribute defines the system Lockdown mode is enabled or disabled.
<b>Syntax</b>	SystemLockdownModeEnum
<b>Access</b>	Read-only

## Status Group

The Status Group objects provide status information about the system and storage.

**Table 354. Global System Status**

<b>Name</b>	globalSystemStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.2.1.0

<b>Description</b>	This attribute defines the overall rollup status of all components in the system being monitored by the remote access card.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 355. System LCD Status**

<b>Name</b>	systemLCDStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.2.2.0
<b>Description</b>	This attribute defines the system status as it is reflected by the LCD front panel. Not all system components may be included.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 356. Global Storage Status**

<b>Name</b>	globalStorageStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.2.3.0
<b>Description</b>	This attribute defines the overall storage status being monitored by the remote access card.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 357. System Power State**

<b>Name</b>	systemPowerState
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.2.4.0
<b>Description</b>	This attribute defines the power state of the system.
<b>Syntax</b>	PowerStateStatusEnum
<b>Access</b>	Read-only

**Table 358. System Power Up Time**

<b>Name</b>	systemPowerUpTime
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.2.5.0
<b>Description</b>	This attribute defines the power-up time of the system in seconds.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

## Systems Details Group

The Systems Details Group contains objects and tables that provide detailed information about the system in which the iDRAC resides.

 **NOTE: See the iDRAC MIB file for details of the objects and tables supported under the Systems Details Group.**

## Power Unit Group

The Power Group objects provide information about the system power unit in which the iDRAC resides.

**Table 359. Power Unit Chassis Index**

<b>Name</b>	powerUnitchassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1

<b>Description</b>	This attribute defines the index (one based) of the system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 360. Power Unit Index**

<b>Name</b>	powerUnitIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.2
<b>Description</b>	This attribute defines the index (one based) of the power unit.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 361. Power Unit State Capabilities**

<b>Name</b>	powerUnitStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.3
<b>Description</b>	This attribute defines the state capabilities of the power unit.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 362. Power Unit State Settings**

<b>Name</b>	powerUnitStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.4
<b>Description.</b>	This attribute defines the state settings of the power unit.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 363. Power Unit Redundancy Status**

<b>Name</b>	powerUnitRedundancyStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.5
<b>Description</b>	This attribute defines the redundancy status of the power unit.
<b>Syntax</b>	StatusRedundancyEnum
<b>Access</b>	Read-only

**Table 364. Power Supply Count For Redundancy**

<b>Name</b>	powerSupplyCountForRedundancy
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.6
<b>Description</b>	This attribute defines the total number of power supplies required for this power unit to have full redundancy.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 365. Power Unit Name**

<b>Name</b>	powerUnitName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.7
<b>Description</b>	This attribute defines the name of the power unit.
<b>Syntax</b>	String64

**Access** Read-only

#### Table 366. Power Unit Status

**Name** powerUnitStatus  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.10.1.1.8  
**Description** This attribute defines the status of the power unit.  
**Syntax** ObjectStatusEnum  
**Access** Read-only

## Power Supply Table

The Power Supply objects provide information about the system power supply in which the iDRAC resides.

#### Table 367. Power Supply Chassis Index

**Name** powerSupplychassisIndex  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.1  
**Description** This attribute defines the index (one based) of the system chassis.  
**Syntax** PowerSupplyTableEntry  
**Access** Read-only

#### Table 368. Power Supply Index

**Name** powerSupplyIndex  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.2  
**Description** This attribute defines the index (one based) of the power supply.  
**Syntax** ObjectRange  
**Access** Read-only

#### Table 369. Power Supply State Capabilities Unique

**Name** powerSupplyStateCapabilitiesUnique  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.3  
**Description** This attribute defines the state capabilities of the power unit.  
**Syntax** StateCapabilitiesFlags  
**Access** Read-only

#### Table 370. Power Supply State Settings Unique

**Name** powerSupplyStateSettingsUnique  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.4  
**Description.** This attribute defines the state settings of the power supply.  
**Syntax** PowerSupplyStateSettingsUniqueFlags  
**Access** Read-only

#### Table 371. Power Supply Status

**Name** powerSupplyStatus  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.5  
**Description** This attribute defines the status of the power supply.  
**Syntax** ObjectStatusEnum

**Access** Read-only

**Table 372. Power Supply Output Watts**

**Name** powerSupplyOutputWatts  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.6  
**Description** This attribute defines the maximum sustained output wattage of the power supply (in tenths of Watts).  
**Syntax** Signed32BitRange  
**Access** Read-only

**Table 373. Power Supply Type**

**Name** powerSupplyType  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.7  
**Description** This attribute defines the type of the power supply.  
**Syntax** String64  
**Access** Read-only

**Table 374. Power Supply Location Name**

**Name** powerSupplyLocationName  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.8  
**Description** This attribute defines the location of the power supply.  
**Syntax** String64  
**Access** Read-only

**Table 375. Power Supply Maximum Input Voltage**

**Name** powerSupplyMaximumInputVoltage  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.9  
**Description** This attribute defines the maximum input voltage of the power supply (in Volts).  
**Syntax** Signed32BitRange  
**Access** Read-only

**Table 376. Power Supply power Unit Index Reference**

**Name** powerSupplypowerUnitIndexReference  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.10  
**Description** This attribute defines the index to the associated power unit if the power supply is part of a power unit.  
**Syntax** ObjectRange  
**Access** Read-only

**Table 377. Power Supply Sensor State**

**Name** powerSupplySensorState  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.12.1.11  
**Description** This attribute defines the state reported by the power supply sensor. This attribute supplements the attribute powerSupplyStateSettingsUnique.  
**Syntax** PowerSupplySensorStateFlags  
**Access** Read-only

**Table 378. Power Supply Configuration Error Type**

<b>Name</b>	powerSupplyConfigurationErrorType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.12
<b>Description</b>	This attribute defines the type of configuration error reported by the power supply sensor. When the configurationError bit is on in the value for the attribute powerSupplySensorState, a value is returned for this attribute; otherwise, a value is not returned for this attribute.
<b>Syntax</b>	PowerSupplyConfigurationErrorTypeEnum
<b>Access</b>	Read-only

**Table 379. Power Supply Power Monitor Capable**

<b>Name</b>	powerSupplyPowerMonitorCapable
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.13
<b>Description</b>	This attribute defines a boolean value that reports whether the power supply is capable of monitoring power consumption.
<b>Syntax</b>	BooleanType
<b>Access</b>	Read-only

**Table 380. Power Supply Rated Input Wattage**

<b>Name</b>	powerSupplyRatedInputWattage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.14
<b>Description</b>	This attribute defines the rated input wattage of the power supply (in tenths of Watts).
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 381. Power Supply FQDD**

<b>Name</b>	powerSupplyFQDD
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.15
<b>Description</b>	Fully qualified device descriptor (FQDD) of the power supply.
<b>Syntax</b>	FQDDString
<b>Access</b>	Read-only

**Table 382. Power Supply Current Input Voltage**

<b>Name</b>	powerSupplyCurrentInputVoltage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.12 .1.16
<b>Description</b>	This attribute defines the current input voltage to the power supply (in Volts).
<b>Syntax</b>	PowerSupplyConfigurationErrorTypeEnum
<b>Access</b>	Read-only

## Voltage Probe Table

The voltage probe objects provide information about the system voltage probe in which the iDRAC resides.

**Table 383. Voltage Probe Chassis Index**

<b>Name</b>	voltageProbechassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.1
<b>Description</b>	This attribute defines the index (one based) of the system chassis.

<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

#### Table 384. Voltage Probe Index

<b>Name</b>	voltageProbeIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.2
<b>Description</b>	This attribute defines the index (one based) of the voltage probe.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

#### Table 385. Voltage Probe State Capabilities

<b>Name</b>	voltageProbeStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.3
<b>Description</b>	This attribute defines the state capabilities of the voltage probe.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

#### Table 386. Voltage Probe State Settings

<b>Name</b>	voltageProbeStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.4
<b>Description.</b>	This attribute defines the state settings of the voltage probe.
<b>Syntax</b>	StatusProbeEnum
<b>Access</b>	Read-only

#### Table 387. Voltage Probe Status

<b>Name</b>	voltageProbeStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.5
<b>Description</b>	This attribute defines the probe status of the voltage probe.
<b>Syntax</b>	StatusProbeEnum
<b>Access</b>	Read-only

#### Table 388. Voltage Probe Reading

<b>Name</b>	voltageProbeReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.6
<b>Description</b>	This attribute defines the reading for a voltage probe of type other than voltageProbeTypelsDiscrete. When the value for voltageProbeType is other than voltageProbeTypelsDiscrete, the value returned for this attribute is the voltage that the probe is reading in millivolts. When the value for voltageProbeType is voltageProbeTypelsDiscrete, a value is not returned for this attribute.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 389. Voltage Probe Type

<b>Name</b>	voltageProbeType
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.7
<b>Description</b>	This attribute defines the type of the voltage probe.

<b>Syntax</b>	VoltageTypeEnum
<b>Access</b>	Read-only

#### Table 390. Voltage Probe Location Name

<b>Name</b>	voltageProbeLocationName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.8
<b>Description</b>	This attribute defines the location name of the voltage probe.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

#### Table 391. Voltage Probe Upper Non Recoverable Threshold

<b>Name</b>	voltageProbeUpperNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.9
<b>Description</b>	This attribute defines the upper non-recoverable threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 392. Voltage Probe Upper Critical Threshold

<b>Name</b>	voltageProbeUpperCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.10
<b>Description</b>	This attribute defines the upper critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 393. Voltage Probe Upper NonCritical Threshold

<b>Name</b>	voltageProbeUpperNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.11
<b>Description</b>	This attribute defines the upper noncritical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 394. Voltage Probe Lower NonCritical Threshold

<b>Name</b>	voltageProbeLowerNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.12
<b>Description</b>	This attribute defines the lower noncritical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 395. Voltage Probe Lower Critical Threshold

<b>Name</b>	voltageProbeLowerCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.13

<b>Description</b>	This attribute defines the lower critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 396. Voltage Probe Lower NonRecoverable Threshold**

<b>Name</b>	voltageProbeLowerNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.114
<b>Description</b>	This attribute defines the lower non-recoverable threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 397. Voltage Probe Probe Capabilities**

<b>Name</b>	voltageProbeProbeCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.115
<b>Description</b>	This attribute defines the probe capabilities of the voltage probe.
<b>Syntax</b>	ProbeCapabilitiesFlags
<b>Access</b>	Read-only

**Table 398. Voltage Probe Discrete Reading**

<b>Name</b>	voltageProbeDiscreteReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.116
<b>Description</b>	This attribute defines the reading for a voltage probe of type voltageProbeTypelsDiscrete. When the value for voltageProbeType is other than voltageProbeTypelsDiscrete, a value is not returned for this attribute. When the value for voltageProbeType is voltageProbeTypelsDiscrete, the value returned for this attribute is the discrete reading for the probe.
<b>Syntax</b>	VoltageDiscreteReadingEnum
<b>Access</b>	Read-only

## Amperage Probe Table

The amperage probe objects provide information about the system amperage probe in which the iDRAC resides.

**Table 399. Amperage Probe Chassis Index**

<b>Name</b>	amperageProbechassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.11
<b>Description</b>	This attribute defines the index (one based) of the system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 400. Amperage Probe Index**

<b>Name</b>	amperageProbeIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.12
<b>Description</b>	This attribute defines the index (one based) of the amperage probe.
<b>Syntax</b>	ObjectRange

**Access** Read-only

#### Table 401. Amperage Probe State Capabilities

**Name** amperageProbeStateCapabilities  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.3  
**Description** This attribute defines the state capabilities of the amperage probe.  
**Syntax** StateCapabilitiesFlags  
**Access** Read-only

#### Table 402. Amperage Probe State Settings

**Name** amperageProbeStateSettings  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.4  
**Description.** This attribute defines the state settings of the amperage probe.  
**Syntax** StateSettingsFlags  
**Access** Read-only

#### Table 403. Amperage Probe Status

**Name** amperageProbeStatus  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.5  
**Description** This attribute defines the probe status of the amperage probe.  
**Syntax** StatusProbeEnum  
**Access** Read-only

#### Table 404. Amperage Probe Reading

**Name** amperageProbeReading  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.6  
**Description** This attribute defines the reading for an amperage probe of type other than amperageProbeTypelsDiscrete. When the value for amperageProbeType is amperageProbeTypelsPowerSupplyAmps or amperageProbeTypelsSystemAmps, the value returned for this attribute is the power usage that the probe is reading in tenths of Amps. When the value for amperageProbeType is amperageProbeTypelsDiscrete, a value is not returned for this attribute.  
**Syntax** Signed32BitRange  
**Access** Read-only

#### Table 405. Amperage Probe Type

**Name** amperageProbeType  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.7  
**Description** This attribute defines the type of the amperage probe.  
**Syntax** AmperageProbeTypeEnum  
**Access** Read-only

#### Table 406. Amperage Probe Location Name

**Name** amperageProbeLocationName  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.30.1.8  
**Description** This attribute defines the location of the amperage probe.

<b>Syntax</b>	String64
<b>Access</b>	Read-only

#### Table 407. Amperage Probe Upper Non Recoverable Threshold

<b>Name</b>	amperageProbeUpperNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.9
<b>Description</b>	This attribute defines the upper non recoverable threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 408. Amperage Probe Upper Critical Threshold

<b>Name</b>	amperageProbeUpperCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.10
<b>Description</b>	This attribute defines the upper critical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 409. Amperage Probe Upper NonCritical Threshold

<b>Name</b>	amperageProbeUpperNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.11
<b>Description</b>	This attribute defines the upper noncritical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 410. Amperage Probe Lower NonCritical Threshold

<b>Name</b>	amperageProbeLowerNonCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.12
<b>Description</b>	This attribute defines the lower noncritical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 411. Amperage Probe Lower Critical Threshold

<b>Name</b>	amperageProbeLowerCriticalThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.30.1.13
<b>Description</b>	This attribute defines the lower critical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

#### Table 412. Amperage Probe Lower NonRecoverable Threshold

<b>Name</b>	amperageProbeLowerNonRecoverableThreshold
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.14

<b>Description</b>	This attribute defines the lower non recoverable threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
<b>Syntax</b>	Signed32BitRange
<b>Access</b>	Read-only

**Table 413. Amperage Probe Probe Capabilities**

<b>Name</b>	amperageProbeProbeCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.15
<b>Description</b>	This attribute defines the probe capabilities of the amperage probe.
<b>Syntax</b>	ProbeCapabilitiesFlags
<b>Access</b>	Read-only

**Table 414. Amperage Probe Discrete Reading**

<b>Name</b>	amperageProbeDiscreteReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
<b>Description</b>	This attribute defines the reading for an amperage probe of type amperageProbeTypesDiscrete. When the value for amperageProbeType is other than amperageProbeTypesDiscrete, a value is not returned for this attribute. When the value for amperageProbeType is amperageProbeTypesDiscrete, the value returned for this attribute is the discrete reading for the probe.
<b>Syntax</b>	AmperageDiscreteReadingEnum
<b>Access</b>	Read-only

## System Battery Table

The System Battery Table objects provide information about the system battery in which the iDRAC resides.

**Table 415. System Battery Table Entry**

<b>Name</b>	systemBatteryTableEntry
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.1
<b>Description</b>	This object defines the System Battery Table Entry.
<b>Syntax</b>	StringType
<b>Access</b>	Read-only

**Table 416. System Battery Index**

<b>Name</b>	systemBatteryIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.2
<b>Description</b>	This attribute defines the index (one based) of the battery.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 417. System Battery State Capabilities**

<b>Name</b>	systemBatteryStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.3
<b>Description</b>	This attribute defines the state capabilities of the battery.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 418. System Battery State Settings**

<b>Name</b>	systemBatteryStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.4
<b>Description.</b>	This attribute defines the state settings of the battery.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 419. System Battery Status**

<b>Name</b>	systemBatteryStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.5
<b>Description</b>	This attribute defines the status of the battery.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 420. System Battery Reading**

<b>Name</b>	systemBatteryReading
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.6
<b>Description</b>	This attribute defines the reading of the battery.
<b>Syntax</b>	SystemBatteryReadingFlags
<b>Access</b>	Read-only

**Table 421. System Battery Location Name**

<b>Name</b>	systemBatteryLocationName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.50.1.7
<b>Description</b>	This attribute defines the location of the battery.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

## Power Usage Table

The Power usage objects provide information about the power usage in which the iDRAC resides.

**Table 422. Power Usage Chassis Index**

<b>Name</b>	powerUsageChassisIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.1
<b>Description</b>	This attribute defines the index (one based) of the associated system chassis.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 423. Power Usage Index**

<b>Name</b>	powerUsageIndex
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.2
<b>Description</b>	This attribute defines the index (one based) of the power usage information.
<b>Syntax</b>	ObjectRange
<b>Access</b>	Read-only

**Table 424. Power Usage State Capabilities**

<b>Name</b>	powerUsageStateCapabilities
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.3
<b>Description</b>	This attribute defines the state capabilities of the power usage information.
<b>Syntax</b>	StateCapabilitiesFlags
<b>Access</b>	Read-only

**Table 425. Power Usage State Settings**

<b>Name</b>	powerUsageStateSettings
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.4
<b>Description.</b>	This attribute defines the state settings of the power usage information.
<b>Syntax</b>	StateSettingsFlags
<b>Access</b>	Read-only

**Table 426. Power Usage Status**

<b>Name</b>	powerUsageStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.5
<b>Description</b>	This attribute defines the status of the power usage information.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 427. Power Usage Entity Name**

<b>Name</b>	powerUsageEntityName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.6
<b>Description</b>	This attribute defines the name of the entity associated with this power usage information.
<b>Syntax</b>	String64
<b>Access</b>	Read-only

**Table 428. Power Usage Cumulative Wattage**

<b>Name</b>	powerUsageCumulativeWattage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.7
<b>Description</b>	This attribute defines the total wattage used (in Watt-hours) by this entity since the date and time specified by the powerUsageCumulativeWattageStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

**Table 429. Power Usage Cumulative Wattage Start Date Name**

<b>Name</b>	powerUsageCumulativeWattageStartDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.8
<b>Description</b>	This attribute defines the date and time at which the data collection started for the value reported by the powerUsageCumulativeWattage attribute.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

**Table 430. Power Usage Peak Watts**

<b>Name</b>	powerUsagePeakWatts
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.9
<b>Description</b>	This attribute defines the peak wattage reading (in Watts) for this entity since the date and time specified by the powerUsagePeakWattsStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

**Table 431. Power Usage Peak Watts Start Date Name**

<b>Name</b>	powerUsagePeakWattsStartDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.10
<b>Description</b>	This attribute defines the date and time at which the data collection started for the value reported by the powerUsagePeakWatts attribute.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

**Table 432. Power Usage Peak Watts Reading Date Name**

<b>Name</b>	powerUsagePeakWattsReadingDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.11
<b>Description</b>	This attribute defines the date and time at which the value reported by the powerUsagePeakWatts attribute was measured.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

**Table 433. Power Usage Peak Amps**

<b>Name</b>	powerUsagePeakAmps
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.12
<b>Description</b>	This attribute defines the peak amperage reading (in tenths of Amps) for this entity since the date and time specified by the powerUsagePeakAmpsStartDateName attribute.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

**Table 434. Power Usage Peak Amps Start Date Name**

<b>Name</b>	powerUsagePeakAmpsStartDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.13
<b>Description</b>	This attribute defines the date and time at which the data collection started for the value reported by the powerUsagePeakAmps attribute.
<b>Syntax</b>	DateName
<b>Access</b>	Read-only

**Table 435. Power Usage Peak Amps Reading Date Name**

<b>Name</b>	powerUsagePeakAmpsReadingDateName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.14
<b>Description</b>	This attribute defines the date and time at which the value reported by the powerUsagePeakAmps attribute was measured.
<b>Syntax</b>	DateName

**Access** Read-only

#### Table 436. Power Usage Idle Power

**Name** powerUsageIdlePower  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.15  
**Description** This attribute defines the system idle power (in Watts). This is the minimum power the system can consume based on the current hardware configuration.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

#### Table 437. Power Usage Max Potential Power

**Name** powerUsageMaxPotentialPower  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.16  
**Description** This attribute defines the system maximum potential power (in Watts). This is the maximum power the system can consume based on the current hardware configuration.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

#### Table 438. Power Usage Power Cap Capabilities

**Name** powerUsagePowerCapCapabilities  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.17  
**Description** This attribute defines the system power cap capabilities.  
**Syntax** PowerCapCapabilitiesFlags  
**Access** Read-only

#### Table 439. Power Usage Power Cap Setting

**Name** powerUsagePowerCapSetting  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.18  
**Description** This attribute defines the system power cap setting.  
**Syntax** PowerCapSettingEnum  
**Access** Read-only

#### Table 440. Power Usage Power Cap Value

**Name** powerUsagePowerCapValue  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.19  
**Description** This attribute defines the system power cap value (in Watts).  
**Syntax** Unsigned32BitRange  
**Access** Read-only

#### Table 441. Power Usage Instantaneous Headroom

**Name** powerUsageInstantaneousHeadroom  
**Object ID** 1.3.6.1.4.1.674.10892.5.4.600.60.1.20  
**Description** This attribute defines the system instantaneous headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus instantaneous power draw.  
**Syntax** Unsigned32BitRange  
**Access** Read-only

**Table 442. Power Usage Peak Headroom**

<b>Name</b>	powerUsagePeakHeadroom
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.4.600.60.1.21
<b>Description</b>	This attribute defines the system peak headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus peak power draw.
<b>Syntax</b>	Unsigned32BitRange
<b>Access</b>	Read-only

## Storage Details Group

The Storage Details Group contains tables that provide detailed information about the external storage subsystem of the system in which iDRAC resides.

## Battery Table

The objects provide information about the Battery storage group.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.15.1.1**.

**Table 443. Battery Number**

Name	batteryNumber
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.1
Description	Instance number of this battery entry.
Syntax	INTEGER
Access	read-only

**Table 444. Battery State**

Name	batteryState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.4
Description	Current state of battery. Possible values: <ol style="list-style-type: none"><li>1. The current state could not be determined.</li><li>2. The battery is operating normally.</li><li>3. The battery has failed and needs to be replaced.</li><li>4. The battery temperature is high or charge level is depleting.</li><li>5. The battery is missing or not detected.</li><li>6. The battery is undergoing the re-charge phase.</li><li>7. The battery voltage or charge level is below the threshold.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 445. Battery Component Status**

Name	batteryComponentStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.6
Description	The status of the battery itself without the propagation of any contained component status. Possible values:

1. Other
2. Unknown
3. OK
4. Non-critical
5. Critical
6. Non-recoverable

Syntax	ObjectStatusEnum
Access	read-only

**Table 446. Battery Predicted Capacity**

Name	batteryPredictedCapacity
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.10
Description	This entry is obsolete. Use the battery Component Status or battery State instead.
Syntax	INTEGER
Access	read-only

**Table 447. Battery FQDD**

Name	batteryFQDD
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.20
Description	The battery's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 448. Battery Display Name**

Name	batteryDisplayName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.21
Description	The battery's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

## Controller Table

The objects provide information about the Controller Table group in storage.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.1.1.1**.

**Table 449. Controller Number**

Name	controllerNumber
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.1
Description	Instance number of this controller entry.
Syntax	INTEGER
Access	read-only

**Table 450. Controller Name**

Name	controllerName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.2
Description	The controller's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 451. Controller Rebuild Rate**

Name	controllerRebuildRate
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.7
Description	The rebuild rate is the percentage of the controller's resources dedicated to rebuilding a failed disk when a rebuild is necessary.
Syntax	INTEGER
Access	read-only

**Table 452. Controller FW Version**

Name	controllerFWVersion
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.8
Description	The controller's current firmware version.
Syntax	DisplayString
Access	read-only

**Table 453. Controller Cache Size In MB**

Name	controllerCacheSizeInMB
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.9
Description	The controller's current amount of cache memory in megabytes.
Syntax	INTEGER
Access	read-only

**Table 454. Controller Roll Up Status**

Name	controllerRollUpStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.37
Description	Severity of the controller state. This is the combined status of the controller and its components. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>
Syntax	ObjectStatusEnum
Access	read-only

**Table 455. Controller Component Status**

Name	controllerComponentStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.38

Description	The status of the controller itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>
Syntax	ObjectStatusEnum
Access	read-only

#### Table 456. Controller Driver Version

Name	controllerDriverVersion
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.41
Description	Currently installed driver version for this controller on the host.
Syntax	DisplayString
Access	read-only

#### Table 457. Controller PCI Slot

Name	controllerPCISlot
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.42
Description	The PCI slot on the server where the controller is seated. This data is not reported for embedded or integrated controllers.
Syntax	DisplayString
Access	read-only

#### Table 458. Controller Reconstruct Rate

Name	controllerReconstructRate
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.48
Description	The reconstruct rate is the percentage of the controller's resources dedicated to reconstructing a disk group after adding a physical disk or changing the RAID level of a virtual disk residing on the disk group.
Syntax	INTEGER
Access	read-only

#### Table 459. Controller Patrol Read Rate

Name	controllerPatrolReadRate
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.49
Description	The patrol read rate is the percentage of the controller's resources dedicated to perform a patrol read on disks participating in a virtual disk or hot spares.
Syntax	INTEGER
Access	read-only

#### Table 460. Controller BGI Rate

Name	controllerBGIRate
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.50

Description	The background initialization (BGI) rate is the percentage of the controller's resources dedicated to performing the background initialization of a redundant virtual disk after it is created.
Syntax	INTEGER
Access	read-only

#### Table 461. Controller Check Consistency Rate

Name	controllerCheckConsistencyRate
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.51
Description	The check consistency rate is the percentage of the controller's resources dedicated to performing a check consistency on a redundant virtual disk.
Syntax	INTEGER
Access	read-only

#### Table 462. Controller Patrol Read Mode

Name	controllerPatrolReadMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.52
Description	Identifies the patrol read mode setting for the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following or could not be determined</li> <li>2. Not Supported on this controller</li> <li>3. Disabled</li> <li>4. Automatic</li> <li>5. Manual</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 463. Controller Patrol Read State

Name	controllerPatrolReadState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.53
Description	This property displays the current state of the patrol read process. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following or could not be determined</li> <li>2. Patrol read is not running</li> <li>3. Patrol read is running</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 464. Controller Persistent Hot Spare

Name	controllerPersistentHotSpare
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.59
Description	Indicates whether hot spare drives would be restored on insertion into the same slot.
Syntax	BooleanType
Access	read-only

#### Table 465. Controller Spin Down Unconfigured Drives

Name	controllerSpinDownUnconfiguredDrives
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.60

Description	Indicates whether un-configured drives would be put in power save mode by the controller.
Syntax	BooleanType
Access	read-only

**Table 466. Controller Spin Down Hot Spare Drives**

Name	controllerSpinDownHotSpareDrives
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.61
Description	Indicates whether hot spare drives would be put in power save mode by the controller.
Syntax	BooleanType
Access	read-only

**Table 467. Controller Spin Down Time Interval**

Name	controllerSpinDownTimeInterval
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.62
Description	The duration in minutes after which, the unconfigured or hot spare drives will be spun down to power save mode.
Syntax	INTEGER
Access	read-only

**Table 468. Controller Preserved Cache**

Name	controllerPreservedCache
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.69
Description	Indicates whether preserved cache or pinned cache is present on the controller.
Syntax	BooleanType
Access	read-only

**Table 469. Controller Check Consistency Mode**

Name	controllerCheckConsistencyMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.70
Description	The current check consistency mode setting for the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Not supported on this controller.</li> <li>3. Normal check consistency operation.</li> <li>4. Check consistency operation will stop on encountering an error.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 470. Controller Copy Back Mode**

Name	controllerCopyBackMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.71
Description	The current copy back mode setting for the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Not supported on this controller.</li> <li>3. Disks assigned as spares could revert back to spare status.</li> <li>4. Data from physical disk participating in a virtual disk could be automatically copied to the assigned hot spare in case former has a predictive failure event.</li> </ol>

	5. Copyback mode is disabled
Syntax	INTEGER
Access	read-only

#### Table 471. Controller Security Status

Name	controllerSecurityStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.72
Description	The controller's current security/encryption status. Possible values: <ol style="list-style-type: none"> <li>1. The current status could not be determined.</li> <li>2. Controller is not operating in an encryption mode.</li> <li>3. Controller is operating in the Local Key Management (LKM) encryption mode.</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 472. Controller Encryption Key Present

Name	controllerEncryptionKeyPresent
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.73
Description	Indicates whether encryption key is assigned for the controller.
Syntax	BooleanType
Access	read-only

#### Table 473. Controller Encryption Capability

Name	controllerEncryptionCapability
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.74
Description	The type of encryption supported by the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. No encryption supported.</li> <li>3. Local Key Management.</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 474. Controller Load Balance Setting

Name	controllerLoadBalanceSetting
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.75
Description	The ability of the controller to automatically use both controller ports (or connectors) connected to the same enclosure in order to route I/O requests. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Not supported.</li> <li>3. Automatic load balancing is active.</li> <li>4. Load balancing is inactive.</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 475. Controller Max Cap Speed

Name	controllerMaxCapSpeed
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.76

Description	The maximum speed of the controller.in Gigbits per second (Gbps). Possible values: <ol style="list-style-type: none"> <li>1. The speed could not be determined.</li> <li>2. 1.5 Gbps</li> <li>3. 3.0 Gbps</li> <li>4. 6.0 Gbps</li> <li>5. 12.0 Gbps</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 476. Controller SAS Address

Name	controllerSASAddress
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.77
Description	The SAS address of the controller.
Syntax	DisplayString
Access	read-only

#### Table 477. Controller FQDD

Name	controllerFQDD
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.78
Description	The controller's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

#### Table 478. Controller Display Name

Name	controllerDisplayName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.79
Description	The controller's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

#### Table 479. Controller T10 PI Capability

Name	controllerT10PICapability
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.80
Description	Description Indicates whether the controller supports the T10 PI (Protection Information). These protection fields are known as DIF (Data Integrity Fields).Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Capable of supporting T10 PI.</li> <li>3. Not capable of supporting T10 PI.</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 480. Controller RAID10 Uneven Spans Supported

Name	controllerRAID10UnevenSpansSupported
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.81
Description	Indicates whether uneven spans for RAID 10 virtual disk is supported on the controller.

Syntax	BooleanType
Access	read-only

**Table 481. Controller Enhanced Auto Import Foreign Config Mode**

Name	controllerEnhancedAutoImportForeignConfigMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.82
Description	Indicates the status of enhanced auto-import of foreign configuration property of the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Not Supported.</li> <li>3. Disabled.</li> <li>4. Enabled.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 482. Controller Boot Mode Supported**

Name	controllerBootModeSupported
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.83
Description	Indicates whether headless boot mode settings are supported on the controller.
Syntax	BooleanType
Access	read-only

**Table 483. Controller Boot Mode**

Name	controllerBootMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.84
Description	Indicates the boot mode of the controller. Possible values: <ol style="list-style-type: none"> <li>1. Not applicable for this controller.</li> <li>2. User mode: User interaction required for all boot messages (not applicable for uEFI environments).</li> <li>3. Continue Boot On Error. User interaction only required for critical messages.</li> <li>4. Headless Mode Continue On Error. User interaction is not required. Controller boot may halt on Error.</li> <li>5. Headless Safe Mode. Controller shall boot to safe mode on critical errors.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 484. Controller High Availability Mode**

Name	controllerHighAvailabilityMode
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.85
Description	Indicates the fault-tolerant mode of the controller. Possible values: <ol style="list-style-type: none"> <li>1. None</li> <li>2. Fault Tolerant(Active/Passive)</li> <li>3. Fault Tolerant(Active/Active)</li> <li>4. Degraded</li> </ol>
Syntax	INTEGER
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 485. Controller Peer Controller**

Name	controllerPeerController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.86
Description	The peer controller's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

## Physical Disk Table

The object provides information about the Physical disk storage group.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.4.1.1**.

**Table 486. Physical Disk Number**

Name	physicalDiskNumber
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1
Description	Instance number of this physical disk entry.
Syntax	INTEGER
Access	read-only

**Table 487. Physical Disk Name**

Name	physicalDiskName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.2
Description	The physical disk's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 488. Physical Disk Manufacturer**

Name	physicalDiskManufacturer
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.3
Description	The name of the physical disk's manufacturer.
Syntax	DisplayString
Access	read-only

**Table 489. Physical Disk State**

Name	physicalDiskState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.4
Description	The current state of this physical disk. Possible states:

1. The current state could not be determined.
2. The physical disk is available for use, but no RAID configuration has been assigned.
3. A RAID configuration has been assigned to the physical disk.
4. The physical disk has been moved from another controller and contains all or some portion of a virtual disk.
5. The physical disk is not available to the RAID controller.
6. The physical disk is currently blocked by controller.
7. The physical disk is not operational.
8. The physical disk is not a RAID capable disk
9. The physical disk has been removed.
10. The physical disk media has been placed in read only mode.

Syntax INTEGER  
 Access read-only

**Table 490. Physical Disk Product ID**

Name physicalDiskProductID  
 Object ID 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.6  
 Description The model number of the physical disk.  
 Syntax DisplayString  
 Access read-only

**Table 491. Physical Disk Serial No**

Name physicalDiskSerialNo  
 Object ID 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.7  
 Description The physical disk's unique identification number from the manufacturer.  
 Syntax DisplayString  
 Access read-only

**Table 492. Physical Disk Revision**

Name physicalDiskRevision  
 Object ID 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.8  
 Description The firmware version of the physical disk.  
 Syntax DisplayString  
 Access read-only

**Table 493. Physical Disk Capacity In MB**

Name physicalDiskCapacityInMB  
 Object ID 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.11  
 Description The size of the physical disk in megabytes.  
 Syntax INTEGER  
 Access read-only

**Table 494. Physical Disk Used Space In MB**

Name physicalDiskUsedSpaceInMB  
 Object ID 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.17

Description	The amount of used space in megabytes on the physical disk. This is not applicable for NVMe devices.
Syntax	INTEGER
Access	read-only

**Table 495. Physical Disk Free Space In MB**

Name	<code>physicalDiskFreeSpaceInMB</code>
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.19
Description	The amount of free space in megabytes on the physical disk. This is not applicable for NVMe devices.
Syntax	INTEGER
Access	read-only

**Table 496. Physical Disk Bus Type**

Name	<code>physicalDiskBusType</code>
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.21
Description	The bus type of the physical disk. Possible values: <ol style="list-style-type: none"> <li>1. The bus type could not be determined.</li> <li>2. Small Computer System Interface (SCSI).</li> <li>3. Serial Attached SCSI (SAS).</li> <li>4. Serial Advanced Technology Attachment (SATA).</li> <li>5. Fibre channel.</li> <li>6. PCIe.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 497. Physical Disk Spare State**

Name	<code>physicalDiskSpareState</code>
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.22
Description	The status of the disk as a spare. Possible values: <ol style="list-style-type: none"> <li>1. Physical disk is not a spare.</li> <li>2. Physical disk is a dedicated hot spare.</li> <li>3. Physical disk is a global hot spare.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 498. Physical Disk Component Status**

Name	<code>physicalDiskComponentStatus</code>
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.24
Description	The status of the physical disk itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>

Syntax	ObjectStatusEnum
Access	read-only

**Table 499. Physical Disk Part Number**

Name	physicalDiskPartNumber
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.27
Description	The part number of the disk.
Syntax	DisplayString
Access	read-only

**Table 500. Physical Disk SAS Address**

Name	physicalDiskSASAddress
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.28
Description	The SAS address of the physical disk.
Syntax	DisplayString
Access	read-only

**Table 501. Physical Disk Negotiated Speed**

Name	physicalDiskNegotiatedSpeed
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.29
Description	The data transfer speed that the disk negotiated while spinning up in Gigbits per second (Gbps). Possible values: <ol style="list-style-type: none"> <li>1. The speed could not be determined.</li> <li>2. 1.5 Gbps</li> <li>3. 3.0 Gbps</li> <li>4. 6.0 Gbps</li> <li>5. 12.0 Gbps</li> <li>6. 5 GT/s (applicable for NVMe devices).</li> <li>7. 8 GT/s (applicable for NVMe devices).</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 502. Physical Disk Capable Speed**

Name	physicalDiskCapableSpeed
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.30
Description	The maximum data transfer speed supported by the disk in Gigbits per second (Gbps). Possible values: <ol style="list-style-type: none"> <li>1. The speed could not be determined.</li> <li>2. 1.5 Gbps</li> <li>3. 3.0 Gbps</li> <li>4. 6.0 Gbps</li> <li>5. 12.0 Gbps</li> <li>6. 5 GT/s (applicable for NVMe devices).</li> <li>7. 8 GT/s (applicable for NVMe devices).</li> </ol>
Syntax	INTEGER
Access	read-only

### Table 503. Physical Disk Smart Alert Indication

Name	physicalDiskSmartAlertIndication
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.31
Description	Indicates whether the physical disk has received a predictive failure alert.
Syntax	BooleanType
Access	read-only

### Table 504. Physical Disk Manufacture Day

Name	physicalDiskManufactureDay
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.32
Description	The day of the week on which the physical disk was manufactured.
Syntax	DisplayString
Access	read-only

### Table 505. Physical Disk Manufacture Week

Name	physicalDiskManufactureWeek
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.33
Description	The week in which the physical disk was manufactured.
Syntax	DisplayString
Access	read-only

### Table 506. Physical Disk Manufacture Year

Name	physicalDiskManufactureYear
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.34
Description	The four digit year in which the physical disk was manufactured.
Syntax	DisplayString
Access	read-only

### Table 507. Physical Disk Media Type

Name	physicalDiskMediaType
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.35
Description	The media type of the physical disk. Possible Values: <ol style="list-style-type: none"><li>1. The media type could not be determined.</li><li>2. Hard Disk Drive (HDD).</li><li>3. Solid State Device (SSD).</li></ol>
Syntax	INTEGER
Access	read-only

### Table 508. Physical Disk Remaining Rated Write Endurance

Name	physicalDiskRemainingRatedWriteEndurance
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.42
Description	This property is applicable to SSD media type only. This indicates the wear-out percentage of the SSD. Typically it is a value between 0 to 100. However, if the value is not available or not applicable (in the case of HDD media type) the value will be 255.
Syntax	INTEGER

Access read-only

#### Table 509. Physical Disk Power State

Name	physicalDiskPowerState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.49
Description	The power state of the physical disk. Possible Values: <ol style="list-style-type: none"><li>1. Not one of the following.</li><li>2. The physical disk is in the spun up state.</li><li>3. The physical disk is in the spun down state.</li><li>4. The physical disk is changing from spun down state to spun up state or vice versa.</li><li>5. The Solid State Device (SSD) is powered on.</li></ol>
Syntax	INTEGER
Access	read-only

#### Table 510. Physical Disk Power State

Name	physicalDiskPowerState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.50
Description	The state of the physical disk when there are progressive operations ongoing. Possible Values: <ol style="list-style-type: none"><li>1. There is no active operation running.</li><li>2. Data from a redundant virtual disk is currently being rebuilt onto the physical disk.</li><li>3. Data on the disk is being erased.</li><li>4. Data is being copied from a hot spare disk to the physical disk or vice versa.</li></ol>
Syntax	INTEGER
Access	read-only

#### Table 511. Physical Disk Progress

Name	physicalDiskProgress
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.51
Description	The progress percentage of the operation that is being performed on the physical disk. This is applicable only if there is a progressive operations ongoing
Syntax	INTEGER
Access	read-only

#### Table 512. Physical Disk Security Status

Name	physicalDiskSecurityStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.52
Description	The security/encryption status of the physical disk. Possible Values: <ol style="list-style-type: none"><li>1. The physical disk supports encryption.</li><li>2. The physical disk does not support encryption</li><li>3. The physical disk is encrypted.</li><li>4. The physical disk is locked by a key.</li><li>5. The physical disk is locked by a foreign key.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 513. Physical Disk Form Factor**

Name	physicalDiskFormFactor
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.53
Description	The form factor of the physical disk. Possible Values: <ol style="list-style-type: none"><li>1. The form factor could not be determined.</li><li>2. 1.8 inch.</li><li>3. 2.5 inch.</li><li>4. 3.5 inch.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 514. Physical Disk FQDD**

Name	physicalDiskFQDD
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.54
Description	The physical disk's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**Table 515. Physical Disk Display Name**

Name	physicalDiskDisplayName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.55
Description	The physical disk's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 516. Physical Disk T10 PI Capability**

Name	physicalDiskT10PICapability
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.57
Description	Indicates whether the physical disk supports the T10 PI (Protection Information). These protection fields are known as DIF (Data Integrity Fields). Possible values: <ol style="list-style-type: none"><li>1. Not one of the following.</li><li>2. Capable of supporting T10 PI.</li><li>3. Not capable of supporting T10 PI.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 517. Physical Disk Block Size In Bytes**

Name	physicalDiskBlockSizeInBytes
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.58
Description	The block size (in bytes) of the physical disk. This is not applicable for NVMe devices. Possible values: <ol style="list-style-type: none"><li>1. 512</li><li>2. 4096</li></ol>
Syntax	INTEGER
Access	read-only

**Table 518. Physical Disk Protocol Version**

Name	physicalDiskProtocolVersion
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.59
Description	Applicable for NVMe devices only. The NVMe protocol version supported by the device.
Syntax	DisplayString
Access	read-only

**Table 519. Physical Disk PCIe Negotiated Link Width**

Name	physicalDiskPCIENegotiatedLinkWidth
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.60
Description	Applicable for NVMe devices only. The PCIe link width negotiated with the host during device initialization.
Syntax	INTEGER
Access	read-only

**Table 520. Physical Disk PCIe Capable Link Width**

Name	physicalDiskPCIECapableLinkWidth
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.61
Description	Applicable for NVMe devices only. The PCIe link widths the device is capable of supporting.
Syntax	INTEGER
Access	read-only

**Table 521. Physical Disk Current Active Controller**

Name	physicalDiskCurrentActiveController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.62
Description	Indicates the Fully Qualified Device Descriptor (FQDD) of the current active controller.
Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 522. Physical Disk Failover Controller**

Name	physicalDiskFailoverController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.63
Description	Indicates the Fully Qualified Device Descriptor (FQDD) of the failover controller.
Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

## Virtual Disk Table

The objects provide information about the Virtual disk storage group.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: 1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.1 for the table group are attributes for checking on iDRAC. To check the

corresponding set of attributes for VRTX CMC systems, use the Object ID example:  
1.3.6.1.4.1.674.10892.2.6.1.20.140.1.1.1.

**Table 523. Virtual Disk Number**

Name	virtualDiskNumber
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.1
Description	Instance number of this virtual disk entry.
Syntax	INTEGER
Access	not-Accessible

**Table 524. Virtual Disk Name**

Name	virtualDiskName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.2
Description	The virtual disk's label as entered by the user.
Syntax	DisplayString
Access	read-only

**Table 525. Virtual Disk State**

Name	virtualDiskState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.4
Description	The current state of this virtual disk (which includes any member physical disks.)Possible states: <ol style="list-style-type: none"><li>1. The current state could not be determined.</li><li>2. The virtual disk is operating normally or optimally.</li><li>3. The virtual disk has encountered a failure. The data on disk is lost or is about to be lost.</li><li>4. The virtual disk encountered a failure with one or all of the constituent redundant physical disks. The data on the virtual disk might no longer be fault tolerant.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 526. Virtual Disk Size In MB**

Name	virtualDiskSizeInMB
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.6
Description	The size of the virtual disk in megabytes.
Syntax	INTEGER
Access	read-only

**Table 527. Virtual Disk Write Policy**

Name	virtualDiskWritePolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.10
Description	The write policy used by the controller for write operations on this virtual disk. Possible values: <ol style="list-style-type: none"><li>1. Write Through.</li><li>2. Write Back.</li><li>3. Force Write Back.</li></ol>
Syntax	INTEGER

Access read-only

### Table 528. Virtual Disk Read Policy

Name	virtualDiskReadPolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.11
Description	The read policy used by the controller for read operations on this virtual disk. Possible values: <ol style="list-style-type: none"><li>1. No Read Ahead.</li><li>2. Read Ahead.</li><li>3. Adaptive Read Ahead.</li></ol>
Syntax	INTEGER
Access	read-only

### Table 529. Virtual Disk Layout

Name	virtualDiskLayout
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.13
Description	The virtual disk's RAID type. Possible values: <ol style="list-style-type: none"><li>1. Not one of the following</li><li>2. RAID-0</li><li>3. RAID-1</li><li>4. RAID-5</li><li>5. RAID-6</li><li>6. RAID-10</li><li>7. RAID-50</li><li>8. RAID-60</li><li>9. Concatenated RAID 1</li><li>10. Concatenated RAID 5</li></ol>
Syntax	INTEGER
Access	read-only

### Table 530. Virtual Disk Stripe Size

Name	virtualDiskStripeSize
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.14
Description	The stripe size of this virtual disk. Possible values: <ol style="list-style-type: none"><li>1. Not one of the following</li><li>2. Default</li><li>3. 512 bytes</li><li>4. 1 kB</li><li>5. 2 kB</li><li>6. 4 kB</li><li>7. 8 kB</li><li>8. 16 kB</li><li>9. 32 kB</li><li>10. 64 kB</li><li>11. 128 kB</li><li>12. 256 kB</li><li>13. 512 kB</li><li>14. 1 MB</li><li>15. 2 MB</li><li>16. 4 MB</li></ol>

	17. 8 MB
	18. 16 MB
Syntax	INTEGER
Access	read-only

**Table 531. Virtual Disk Component Status**

Name	virtualDiskComponentStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.20
Description	The status of the virtual disk itself without the propagation of any contained component status.Possible values:  <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>
Syntax	ObjectStatusEnum
Access	read-only

**Table 532. Virtual Disk Bad Blocks Detected**

Name	virtualDiskBadBlocksDetected
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.23
Description	Indicates whether the virtual disk has bad blocks.
Syntax	BooleanType
Access	read-only

**Table 533. Virtual Disk Secured**

Name	virtualDiskSecured
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.24
Description	Indicates whether the virtual disk is secured or not.
Syntax	BooleanType
Access	read-only

**Table 534. Virtual Disk Is Cache Cade**

Name	virtualDiskIsCacheCade
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.25
Description	Indicates whether the virtual disk is being used as a secondary cache by the controller.
Syntax	BooleanType
Access	read-only

**Table 535. Virtual Disk Cache Policy**

Name	virtualDiskDiskCachePolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.26
Description	The cache policy of the physical disks that are part of this virtual disk. Possible values:

	<ol style="list-style-type: none"> <li>1. Enabled</li> <li>2. Disabled</li> <li>3. Default</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 536. Virtual Disk Operational State**

Name	virtualDiskOperationalState
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.30
Description	The state of the virtual disk when there are progressive operations ongoing. Possible values: <ol style="list-style-type: none"> <li>1. There is no active operation running.</li> <li>2. The virtual disk configuration has changed. The physical disks included in the virtual disk are being modified to support the new configuration.</li> <li>3. A Consistency Check (CC) is being performed on the virtual disk.</li> <li>4. The virtual disk is being initialized.</li> <li>5. Back Ground Initialization (BGI) is being performed on the virtual disk.</li> </ol>
Syntax	INTEGER
Access	read-only

**Table 537. Virtual Disk Progress**

Name	virtualDiskProgress
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.31
Description	The progress percentage of the operation that is being performed on the virtual disk. This is applicable only if there is a progressive operations ongoing.
Syntax	INTEGER
Access	read-only

**Table 538. Virtual Disk Available Protocols**

Name	virtualDiskAvailableProtocols
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.32
Description	List of protocols support by physical disks part of this virtual disk. For e.g. SAS for Serial Attached SCSI or SATA for Serial Advanced Technology Attachment.
Syntax	DisplayString
Access	read-only

**Table 539. Virtual Disk Media Type**

Name	virtualDiskMediaType
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.33
Description	List of media types of the physical disks part of this virtual disk. For e.g. HDD for Hard Disk Drive or SSD for Solid State Device.
Syntax	DisplayString
Access	read-only

**Table 540. Virtual Disk Remaining Redundancy**

Name	virtualDiskRemainingRedundancy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.34

Description	The number of physical disks which can be lost before the virtual disk loses its redundancy.
Syntax	INTEGER
Access	read-only

**Table 541. Virtual Disk FQDD**

Name	virtualDiskFQDD
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.35
Description	The virtual disk's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**Table 542. Virtual Disk Display Name**

Name	virtualDiskDisplayName
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.36
Description	The virtual disk's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 543. Virtual Disk T10 PI Status**

Name	virtualDiskT10PIStatus
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.37
Description	Indicates whether the virtual disk supports the T10 PI (Protection Information). These protection fields are known as DIF (Data Integrity Fields). Possible values: <ul style="list-style-type: none"> <li>1. Not one of the following.</li> <li>2. Enabled.</li> <li>3. Disabled.</li> </ul>
Syntax	INTEGER
Access	read-only

**Table 544. Virtual Disk Block Size In Bytes**

Name	virtualDiskBlockSizeInBytes
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.38
Description	The block size (in bytes) of the physical disk part of the virtual disk. Possible values: <ul style="list-style-type: none"> <li>1. 512</li> <li>2. 4096.</li> </ul>
Syntax	INTEGER
Access	read-only

**Table 545. Virtual Disk Adapter 1 Access Policy**

Name	virtualDiskAdapter1AccessPolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.39
Description	Indicates the Access policy of the virtual disk with the virtual adapters. Possible values: <ul style="list-style-type: none"> <li>1. No Access.</li> </ul>

	2. Full Access.
Syntax	INTEGER
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 546. Virtual Disk Adapter 2 Access Policy**

Name	virtualDiskAdapter2AccessPolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.40
Description	Indicates the Access policy of the virtual disk with the virtual adapters. Possible values: <ol style="list-style-type: none"> <li>1. No Access.</li> <li>2. Full Access.</li> </ol>
Syntax	INTEGER
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 547. Virtual Disk Adapter 3 Access Policy**

Name	virtualDiskAdapter3AccessPolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.41
Description	Indicates the Access policy of the virtual disk with the virtual adapters. Possible values: <ol style="list-style-type: none"> <li>1. No Access.</li> <li>2. Full Access.</li> </ol>
Syntax	INTEGER
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 548. Virtual Disk Adapter 4 Access Policy**

Name	virtualDiskAdapter4AccessPolicy
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.42
Description	Indicates the Access policy of the virtual disk with the virtual adapters. Possible values: <ol style="list-style-type: none"> <li>1. No Access.</li> <li>2. Full Access.</li> </ol>
Syntax	INTEGER
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 549. Virtual Disk Current Active Controller**

Name	virtualDiskCurrentActiveController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.43
Description	Indicates the Fully Qualified Device Descriptor (FQDD) of the current active controller.

Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 550. Virtual Disk Current Active Controller**

Name	virtualDiskCurrentActiveController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.43
Description	Indicates the Fully Qualified Device Descriptor (FQDD) of the current active controller.
Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

**Table 551. Virtual Disk Failover Controller**

Name	virtualDiskFailoverController
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.44
Description	Indicates the Fully Qualified Device Descriptor (FQDD) of the current active controller.
Syntax	FQDDString
Access	read-only

**NOTE:** This attribute is applicable for VRTX CMC only.

## Enclosure Table

The objects provide information about the Enclosure Table group in storage.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.3.1.1**.

**Table 552. Enclosure Number**

Name	enclosureNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.1
Description	Instance number of this enclosure/backplane.
Syntax	INTEGER
Access	not-Accessible

**Table 553. Enclosure Name**

Name	enclosureName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.2
Description	The enclosure/backplane's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 554. Enclosure State**

Name	enclosureState
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.4
Description	The current state of this enclosure/backplane. Possible states: <ol style="list-style-type: none"><li>1. The current state could not be determined.</li><li>2. The enclosure is operating normally.</li><li>3. The enclosure has encountered a hardware problem or is not responding.</li><li>4. The enclosure is no longer connected to the controller or there exists a problem communicating to the enclosure.</li><li>5. The enclosure is unstable.</li><li>6. The enclosure is inactive due to being configured by another controller.</li><li>7. The enclosure is offline and inAccessible.</li><li>8. The enclosure is online and Accessible.</li><li>9. The enclosure is currently blocked by another controller.</li></ol>
Syntax	INTEGER
Access	read-only

**Table 555. Enclosure Service Tag**

Name	enclosureServiceTag
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.8
Description	Enclosure identification used when consulting customer support.
Syntax	DisplayString
Access	read-only

**Table 556. Enclosure Asset Tag**

Name	enclosureAssetTag
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.9
Description	The asset tag information for the enclosure.
Syntax	DisplayString
Access	read-only

**Table 557. Enclosure Connected Port**

Name	enclosureConnectedPort
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.19
Description	The port on the controller to which the storage enclosure is connected.
Syntax	DisplayString
Access	read-only

**Table 558. Enclosure Roll Up Status**

Name	enclosureRollUpStatus
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.23
Description	Severity of the enclosure/backplane state. This is the combined status of the enclosure and its sub-components. Possible values: <ol style="list-style-type: none"><li>1. Other</li><li>2. Unknown</li><li>3. OK</li><li>4. Non-critical</li></ol>

	5. Critical
	6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

**Table 559. Enclosure Firmware Version**

Name	enclosureFirmwareVersion
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.26
Description	The firmware information for the enclosure/backplane.
Syntax	DisplayString
Access	read-only

**Table 560. Enclosure SAS Address**

Name	enclosureSASAddress
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.30
Description	The SAS address of the enclosure/backplane.
Syntax	DisplayString
Access	read-only

**Table 561. Enclosure Drive Count**

Name	enclosureDriveCount
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.31
Description	The number of disks present in the enclosure/backplane.
Syntax	INTEGER
Access	read-only

**Table 562. Enclosure Total Slots**

Name	enclosureTotalSlots
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.32
Description	The total physical drive slots in a storage enclosure or server backplane.
Syntax	INTEGER
Access	read-only

**Table 563. Enclosure Fan Count**

Name	enclosureFanCount
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.40
Description	The number of fans present in the storage enclosure.
Syntax	DisplayString
Access	read-only

**Table 564. Enclosure PSU Count**

Name	enclosurePSUCount
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.41
Description	The number of Power Supply Units (PSU) present in the storage enclosure.

Syntax	DisplayString
Access	read-only

**Table 565. Enclosure EMM Count**

Name	enclosureEMMCount
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.42
Description	The number of Enclosure Management Modules (EMM) present in the storage enclosure.
Syntax	DisplayString
Access	read-only

**Table 566. Enclosure Temp Probe Count**

Name	enclosureTempProbeCount
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.43
Description	The number of temperature sensing devices present in the storage enclosure.
Syntax	DisplayString
Access	read-only

**Table 567. Enclosure Redundant Path**

Name	enclosureRedundantPath
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.44
Description	Indicates whether the controller has multiply paths to reach the storage enclosure.
Syntax	DisplayString
Access	read-only

**Table 568. Enclosure Position**

Name	enclosurePosition
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.45
Description	The position of the storage enclosure within a daisy chain.
Syntax	DisplayString
Access	read-only

**Table 569. Enclosure Backplane Bay ID**

Name	enclosureBackplaneBayID
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.46
Description	The unique bay ID of the backplane.
Syntax	DisplayString
Access	read-only

**Table 570. Enclosure FQDD**

Name	enclosureFQDD
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.47
Description	The enclosure/backplane's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString

Access read-only

**Table 571. Enclosure Display Name**

Name	enclosureDisplayName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.48
Description	The enclosure/backplane's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 572. Enclosure Type**

Name	enclosureType
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.49
Description	The protocol supported by the backplane. Possible states: <ol style="list-style-type: none"><li>1. Not one of the following or could not be determined.</li><li>2. Not applicable (i.e. object is not a backplane).</li><li>3. Supports SAS/SATA.</li><li>4. Supports PCIe</li><li>5. Both SAS/SATA and PCIe</li></ol>
Syntax	INTEGER
Access	read-only

## Enclosure Management Module Table

The objects provide information about the Enclosure Management Module group in storage.

**i NOTE: The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: 1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.1 for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: 1.3.6.1.4.1.674.10892.2.6.1.20.130.13.1.1.**

**Table 573. Enclosure Management Module Number**

Name	enclosureManagementModuleNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.1
Description	Instance number of this enclosure management module.
Syntax	INTEGER
Access	read-only

**Table 574. Enclosure Management Module Name**

Name	enclosureManagementModuleName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.2
Description	The enclosure management module's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 575. Enclosure Management Module State**

Name	enclosureManagementModuleState
------	--------------------------------

Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.4
Description	The current state of this enclosure management module. Possible states: <ol style="list-style-type: none"> <li>1. The current state could not be determined</li> <li>2. The enclosure management module is operating normally</li> <li>3. The enclosure management module has encountered a hardware problem or is not responding</li> <li>4. The enclosure management module is no longer connected to the enclosure or there exists a problem communicating to it</li> <li>5. The enclosure management module is unstable</li> </ol>
Syntax	INTEGER
Access	read-only

#### Table 576. Enclosure Management Module Part Number

Name	enclosureManagementModulePartNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.6
Description	The part number of the enclosure management module.
Syntax	DisplayString
Access	read-only

#### Table 577. Enclosure Management Module FW Version

Name	enclosureManagementModuleFWVersion
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.8
Description	Firmware version of the enclosure management module.
Syntax	DisplayString
Access	read-only

#### Table 578. Enclosure Management Module Component Status

Name	enclosureManagementModuleComponentStatus
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.11
Description	The status of the enclosure management module itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>
Syntax	ObjectStatusEnum
Access	read-only

#### Table 579. Enclosure Management Module FQDD

Name	enclosureManagementModuleFQDD
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.15
Description	The enclosure management module's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**Table 580. Enclosure Management Module Display Name**

Name	enclosureManagementModuleDisplayName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.16
Description	The enclosure management module's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

## Enclosure Fan Table

The objects provide information about the Enclosure Fan Table group in storage.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.3.7.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.3.7.1.1**.

**Table 581. Enclosure Fan Number**

Name	enclosureFanNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.1
Description	Instance number of this fan.
Syntax	INTEGER
Access	read-only

**Table 582. Enclosure Fan Name**

Name	enclosureFanName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.2
Description	The fan's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

**Table 583. Enclosure Fan State**

Name	enclosureFanState
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.3
Description	The current state of this fan. Possible states: <ol style="list-style-type: none"><li>1. The current state could not be determined</li><li>2. The fan is operating normally</li><li>3. The fan has encountered a hardware problem or is not responding</li><li>4. The fan is no longer connected to the enclosure or there exists a problem communicating to it</li><li>5. The fan is unstable</li></ol>
Syntax	INTEGER
Access	read-only

**Table 584. Enclosure Fan Speed**

Name	enclosureFanSpeed
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.11

Description	Indicates the current relative speed of the fan in RPMs.
Syntax	INTEGER
Access	read-only

**Table 585. Enclosure Fan Component Status**

Name	enclosureFanComponentStatus
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.15
Description	The status of the fan itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> <li>3. OK</li> <li>4. Non-critical</li> <li>5. Critical</li> <li>6. Non-recoverable</li> </ol>
Syntax	ObjectStatusEnum
Access	read-only

**Table 586. Enclosure Fan FQDD**

Name	enclosureFanFQDD
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.20
Description	The fan's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**Table 587. Enclosure Fan Display Name**

Name	enclosureFanDisplayName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.21
Description	The fan's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

## Enclosure Power Supply Table

The objects provide information about the Enclosure Power Supply group in storage.

**NOTE:** The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: **1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.1** for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: **1.3.6.1.4.1.674.10892.2.6.1.20.130.9.1.1**.

**Table 588. Enclosure Power Supply Number**

Name	enclosurePowerSupplyNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.1
Description	Instance number of this power supply unit.
Syntax	INTEGER

Access read-only

#### Table 589. Enclosure Power Supply Name

Name	enclosurePowerSupplyName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.2
Description	The power supply unit's name as represented in Storage Management.
Syntax	DisplayString
Access	read-only

#### Table 590. Enclosure Power Supply State

Name	enclosurePowerSupplyState
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.4
Description	The current state of this power supply unit. Possible states: <ol style="list-style-type: none"><li>1. The current state could not be determined</li><li>2. The power supply unit is operating normally</li><li>3. The power supply unit has encountered a hardware problem or is not responding</li><li>4. The power supply unit is no longer connected to the enclosure or there exists a problem communicating to it</li><li>5. The power supply unit is unstable</li></ol>
Syntax	INTEGER
Access	read-only

#### Table 591. Enclosure Power Supply Part Number

Name	enclosurePowerSupplyPartNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.7
Description	The part number of the power supply unit.
Syntax	DisplayString
Access	read-only

#### Table 592. Enclosure Power Supply Component Status

Name	enclosurePowerSupplyComponentStatus
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.9
Description	The status of the power supply unit itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"><li>1. Other</li><li>2. Unknown</li><li>3. OK</li><li>4. Non-critical</li><li>5. Critical</li><li>6. Non-recoverable</li></ol>
Syntax	ObjectStatusEnum
Access	read-only

#### Table 593. Enclosure Power Supply FQDD

Name	enclosurePowerSupplyFQDD
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.15

Description	The power supply unit's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FGDDString
Access	read-only

#### Table 594. Enclosure Power Supply Display Name

Name	enclosurePowerSupplyDisplayName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.16
Description	The power supply unit's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

## Enclosure Temperature Probe Table

The objects provide information about the Enclosure Temperature Probe Table group in storage.

**i** **NOTE: The Storage Details Group is introduced in VRTX CMC from this release. The iDRAC and CMC have the same Storage attributes with some modification in CMC. The Object ID mentioned example: 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.1 for the table group are attributes for checking on iDRAC. To check the corresponding set of attributes for VRTX CMC systems, use the Object ID example: 1.3.6.1.4.1.674.10892.2.6.1.20.130.11.1.1.**

#### Table 595. Enclosure Temperature Probe Number

Name	enclosureTemperatureProbeNumber
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.1
Description	Instance number of this temperature probe
Syntax	INTEGER (1..255)
Access	read-only

#### Table 596. Enclosure Temperature Probe Name

Name	enclosureTemperatureProbeName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.2
Description	The temperature probe's name as represented in Storage Management
Syntax	DisplayString
Access	read-only

#### Table 597. Enclosure Temperature Probe State

Name	enclosureTemperatureProbeState
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.4
Description	The current state of this temperature probe. Possible states: <ol style="list-style-type: none"> <li>1. The current state could not be determined</li> <li>2. The temperature probe is operating normally</li> <li>3. The temperature probe has encountered a hardware problem or is not responding</li> <li>4. The temperature probe is no longer connected to the enclosure or there exists a problem communicating to it</li> <li>5. The temperature probe is unstable</li> <li>6. The temperature probe is Over Warning Temperature</li> <li>7. The temperature probe is Under Warning Temperature</li> </ol>

Syntax	INTEGER
Access	read-only

**Table 598. Enclosure Temperature Probe Min Warning Value**

Name	enclosureTemperatureProbeMinWarningValue
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.7
Description	The minimum temperature that will force the probe into a warning state.
Syntax	INTEGER
Access	read-only

**Table 599. Enclosure Temperature Probe Min Critical Value**

Name	enclosureTemperatureProbeMinCriticalValue
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.8
Description	The maximum temperature that will force the probe into a warning state.
Syntax	INTEGER
Access	read-only

**Table 600. Enclosure Temperature Probe Max Warning Value**

Name	enclosureTemperatureProbeMaxWarningValue
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.9
Description	The maximum temperature that will force the probe into a warning state.
Syntax	INTEGER
Access	read-only

**Table 601. Enclosure Temperature Probe Max Critical Value**

Name	enclosureTemperatureProbeMaxCriticalValue
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.10
Description	The maximum temperature that will force the probe into a warning state.
Syntax	INTEGER
Access	read-only

**Table 602. Enclosure Temperature Probe Cur Value**

Name	enclosureTemperatureProbeCurValue
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.11
Description	The maximum temperature that will force the probe into a warning state.
Syntax	INTEGER
Access	read-only

**Table 603. Enclosure Temperature Probe Component Status**

Name	enclosureTemperatureProbeComponentStatus
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.13
Description	The status of the enclosure management module itself without the propagation of any contained component status. Possible values: <ol style="list-style-type: none"> <li>1. Other</li> <li>2. Unknown</li> </ol>

	3. OK
	4. Non-critical
	5. Critical
	6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

**Table 604. Enclosure Temperature Probe FQDD**

Name	enclosureTemperatureProbeFQDD
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.15
Description	The temperature probe's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

**Table 605. Enclosure Temperature Probe Display Name**

Name	enclosureTemperatureProbeDisplayName
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.16
Description	The temperature probe's friendly FQDD as represented in Storage Management.
Syntax	DisplayString
Access	read-only

## iDRAC Traps

The iDRAC generates events that result in Simple Network Management Protocol (SNMP) traps and/or entries in the iDRAC Lifecycle Log. This section describes the traps, also known as alerts, generated by the iDRAC.

The iDRAC generates events in response to changes in the status of sensors and other monitored parameters. When an event with predefined characteristics occurs on your system, the SNMP subagent sends information about the event, along with trap variables, to the management console.

Each event generates an identifier called the trap ID and a list of trap variables that provide additional details about the event. The trap variables are listed in the following on [Trap Variables](#).

The traps of the iDRAC MIB are organized into five subgroups of traps. Each subgroup corresponds to one of the five categories of events that iDRAC supports (the **System Health**, **Storage Health**, **Updates**, **Audit**, and **Configuration** categories). Here is a list of the trap subgroups are:

- System Trap Group
- Storage Trap Group
- Updates Trap Group
- Audit Trap Group
- Configuration Trap Group

The trap subgroups, and all the traps within each trap subgroup, are described and listed in sections following the [Trap Variables](#) section.

**NOTE:** The traps listed in this document can be correlated to specific events that are documented in the *Dell Event Message Reference* guide. There is 1-to-many relationship between SNMP traps and events in iDRAC. To correlate a trap to a specific event or set of events, you can match the Trap ID value of a trap in this document to the Trap/Event ID value of events in the *Dell Event Message Reference* guide.

# Trap Variables

This section lists the six variables that are sent with iDRAC traps to provide additional information about a trap or alert generated by some event on the system. The trap variables presented here apply to all iDRAC7 and later traps. The trap variables are sent in the order listed and are reserved for use only in traps.

**Table 606. Alert Message ID**

<b>Variable Name</b>	alertMessageID
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.1.0
<b>Description</b>	Message ID of the event.
<b>Syntax</b>	DisplayString
<b>Access</b>	Read-only

**Table 607. Alert Message**

<b>Variable Name</b>	alertMessage
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.2.0
<b>Description</b>	Message describing the alert.
<b>Syntax</b>	StringType

**Table 608. Alert Current Status**

<b>Variable Name</b>	alertCurrentStatus
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.3.0
<b>Description</b>	Current status of object causing the alert, if applicable.
<b>Syntax</b>	ObjectStatusEnum
<b>Access</b>	Read-only

**Table 609. Alert System Service Tag**

<b>Variable Name</b>	alertSystemServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.4.0
<b>Description</b>	Service tag of the system.
<b>Syntax</b>	DisplayString

**Table 610. Alert System FQDN**

<b>Variable Name</b>	alertSystemFQDN
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.5.0
<b>Description</b>	Fully qualified domain name of the system.
<b>Syntax</b>	StringType

**Table 611. Alert FQDD**

<b>Variable Name</b>	alertFQDD
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.6.0
<b>Description</b>	Fully qualified device descriptor of the device.
<b>Syntax</b>	DisplayString

**Table 612. Alert Device Display Name**

<b>Variable Name</b>	alertDeviceDisplayName
----------------------	------------------------

<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.7.0
<b>Description</b>	Display name of the device/FQDD
<b>Syntax</b>	DisplayString

**Table 613. Alert Message Arguments**

<b>Variable Name</b>	alertMessageArguments
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.8.0
<b>Description</b>	Concatenated set of strings representing the message arguments of the event. Each message argument string is enclosed in double quotes, and there is a comma after the ending double quote of each message argument string, except the last one. Any double quotes found within a message argument string are preprocessed and changed to single quotes.
<b>Syntax</b>	StringType

**Table 614. Alert Chassis Service Tag**

<b>Variable Name</b>	alertChassisServiceTag
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.9.0
<b>Description</b>	For modular systems, the service tag of the enclosing chassis. For rack and tower systems, this varbind will be empty (zero length).
<b>Syntax</b>	DisplayString

**Table 615. Alert Chassis Name**

<b>Variable Name</b>	alertChassisName
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.10.0
<b>Description</b>	For modular systems, the chassis name of the enclosing chassis. For rack and tower systems, this varbind will be empty (zero length).
<b>Syntax</b>	DisplayString

**Table 616. Alert Rac FQDN**

<b>Variable Name</b>	alertRacFQDN
<b>Object ID</b>	1.3.6.1.4.1.674.10892.5.3.1.11.0
<b>Description</b>	Fully qualified domain name of the remote access card.
<b>Syntax</b>	StringType

## System Trap Group

The System Trap Group contains traps that fall under the *System Health* event category of the iDRAC. System Health traps are traps those are generally generated in response to events related to the hardware of the system in which an iDRAC resides.

**Table 617. Amperage Probe Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Amperage Probe Normal</b>				
2179	Current sensor reading is within range.	System Health	Amperage	Informational
<b>Amperage Probe Warning</b>				
2178	Current sensor has detected a warning value.	System Health	Amperage	Minor
<b>Amperage Probe Failure</b>				

TrapID	Description	Category	SubCategory	Severity
2177	Current sensor has detected a failure value.	System Health	Amperage	Critical

**Table 618. Automatic System Recovery Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Automatic System Recovery</b>				
2233	Automatic system recovery (ASR) was performed.	System Health	Auto Sys Reset	Critical

**Table 619. Battery Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Battery Normal</b>				
2227	Battery state has returned to normal; or battery presence had been detected.	System Health	Battery Event	Informational
<b>Battery Warning</b>				
2226	Battery is low.	System Health	Battery Event	Minor
<b>Battery Failure</b>				
2225	Battery has failed or battery is absent.	System Health	Battery Event	Critical

**Table 620. Cable Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Cable Failure</b>				
2393	Cable failure or critical event.	System Health	Cable	Critical

**Table 621. CMC Traps**

TrapID	Description	Category	SubCategory	Severity
<b>CMC Warning</b>				
2546	Chassis Management Controller detected a warning.	System Health	CMC	Minor
<b>CMC Failure</b>				
2545	Chassis Management Controller detected an error.	System Health	CMC	Critical

**Table 622. Processor Device Status Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Processor DeviceStatus Normal</b>				
2243	Processor device status has returned to normal.	System Health	Processor	Informational
<b>ProcessorDeviceStatusWarning</b>				
2242	Processor device status has detected a warning.	System Health	Processor	Minor
<b>ProcessorDeviceStatusFailure</b>				
2241	Processor device status has detected a failure.	System Health	Processor	Critical

**Table 623. Processor Device Absent Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Processor Device Absent</b>				
2457	Processor device is absent.	System Health	Proc Absent	Critical

**Table 624. Fan Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Fan Information</b>				
2155	Fan information.	System Health	Fan Event	Informational
<b>Fan Warning</b>				
2154	Fan warning.	System Health	Fan Event	Minor
<b>Fan Failure</b>				
2153	Fan failure.	System Health	Fan Event	Critical

**Table 625. Fiber Channel Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Fiber Channel Information</b>				
2539	Fiber Channel information.	System Health	Fiber Channel	Informational
<b>Fiber Channel Warning</b>				
2538	Fiber Channel warning.	System Health	Fiber Channel	Minor
<b>Fiber Channel Failure</b>				
2537	Fiber Channel failure or critical event.	System Health	Fiber Channel	Critical

**Table 626. Hardware Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Hardware Configuration Information</b>				
2331	Hardware configuration information.	System Health	Hardware Config	Informational
<b>Hardware Configuration Warning</b>				
2330	Hardware configuration warning.	System Health	Hardware Config	Minor
<b>Hardware Configuration Failure</b>				
2329	Hardware configuration failure or critical event.	System Health	Hardware Config	Critical

**Table 627. IO Virtualization Traps**

TrapID	Description	Category	SubCategory	Severity
<b>IO Virtualization Failure</b>				
2553	IO Virtualization failure or critical event.	System Health	IO Virtualization	Critical

**Table 628. Link StatusTraps**

TrapID	Description	Category	SubCategory	Severity
<b>Link Status Information</b>				
2251	Link status information.	System Health	Link Status	Informational
<b>Link Status Warning</b>				
2250	Link status warning.	System Health	Link Status	Minor

TrapID	Description	Category	SubCategory	Severity
<b>Link Status Failure</b>				
2249	Link status failure or critical event.	System Health	Link Status	Critical

**Table 629. Memory Device Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Memory Device Information</b>				
2267	Memory device informational event.	System Health	Memory	Informational
<b>Memory Device Warning</b>				
2266	Memory device status is noncritical.	System Health	Memory	Minor
<b>Memory Device Failure</b>				
2265	Memory device status is critical.	System Health	Memory	Critical

**Table 630. NIC Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Network Information</b>				
2091	Network information.	System Health	NIC Config	Informational
<b>Network Warning</b>				
2090	Network warning.	System Health	NIC Config	Minor
<b>Network Failure</b>				
2089	Network failure or critical event.	System Health	NIC Config	Critical

**Table 631. Operation System ("OS") Event Traps**

TrapID	Description	Category	SubCategory	Severity
<b>OS Information</b>				
2411	An OS graceful stop occurred; or an OS graceful shut-down occurred.	System Health	OS Event	Informational
<b>OS Failure</b>				
2409	A critical stop occurred during OS load; or a runtime critical stop occurred.	System Health	OS Event	Critical

**Table 632. PCI Device Traps**

TrapID	Description	Category	SubCategory	Severity
<b>PCI Device Information</b>				
2419	An informational event was detected for a PCI device.	System Health	PCI Device	Informational
<b>PCI Device Warning</b>				
2418	A warning event was detected for a PCI device.	System Health	PCI Device	Minor
<b>PCI Device Failure</b>				
2417	An error was detected for a PCI device.	System Health	PCI Device	Critical

**Table 633. Physical Disk Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Physical Disk Information</b>				
2299	Physical disk information.	System Health	Physical Disk	Informational
<b>Physical Disk Warning</b>				
2298	Physical disk warning.	System Health	Physical Disk	Minor
<b>Physical Disk Failure</b>				
2297	Physical disk failure.	System Health	Physical Disk	Critical

**Table 634. BIOS POST Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Bios Post Failure</b>				
2425	System BIOS detected a failure.	System Health	BIOS POST	Critical

**Table 635. Power Supply Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Power Supply Normal</b>				
2187	Power supply has returned to normal.	System Health	Power Supply	Informational
<b>Power Supply Warning</b>				
2186	Power supply has detected a warning.	System Health	Power Supply	Minor
<b>Power Supply Failure</b>				
2185	Power supply has detected a failure.	System Health	Power Supply	Critical

**Table 636. Power Supply Absent Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Power Supply Absent</b>				
2465	Power supply is absent.	System Health	PSU Absent	Critical

**Table 637. Power Usage Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Power Usage Information</b>				
2275	System performance restored.	System Health	Power Usage	Informational
<b>Power Usage Warning</b>				
2274	System performance degraded.	System Health	Power Usage	Minor
<b>Power Usage Failure</b>				
2273	The system halted because system power exceeds capacity; or the system performance degraded because power draw exceeds the power threshold.	System Health	Power Usage	Critical

**Table 638. Redundancy Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Redundancy Information</b>				
2475	Redundancy information.	System Health	Redundancy	Informational

TrapID	Description	Category	SubCategory	Severity
<b>Redundancy Degraded</b>				
2474	Redundancy is degraded.	System Health	Redundancy	Minor
<b>Redundancy Lost</b>				
2473	Redundancy is lost.	System Health	Redundancy	Critical

**Table 639. Integrated Dual SD Module Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Integrated Dual SD ModuleInformation</b>				
2211	Integrated Dual SD Module information.	System Health	IDSDM Media	Informational
<b>Integrated Dual SD ModuleWarning</b>				
2210	Integrated Dual SD Module warning.	System Health	IDSDM Media	Minor
<b>Integrated Dual SD ModuleFailure</b>				
2209	Integrated Dual SD Module failure.	System Health	IDSDM Media	Critical

**Table 640. Integrated Dual SD Module Absent Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Integrated Dual SD ModuleAbsent</b>				
2481	Integrated Dual SD Module is absent.	System Health	IDSDM Absent	Critical

**Table 641. Integrated Dual SD Module Redundancy Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Integrated Dual SD Module Redundancy Information</b>				
2491	Integrated Dual SD Module redundancy information.	System Health	IDSDM Redundancy	Informational
<b>Integrated Dual SD Module Redundancy Degraded</b>				
2490	Integrated Dual SD Module redundancy is degraded.	System Health	IDSDM Redundancy	Minor
<b>Integrated Dual SD Module Redundancy Lost</b>				
2489	Integrated Dual SD Module redundancy is lost.	System Health	IDSDM Redundancy	Critical

**Table 642. Security Event Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Security Information</b>				
2387	Security information.	System Health	Security Event	Informational
<b>Security Warning</b>				
2386	Security warning.	System Health	Security Event	Minor
<b>Security Failure</b>				
2385	Security failure or critical event.	System Health	Security Event	Critical

**Table 643. System Event Log Traps**

TrapID	Description	Category	SubCategory	Severity
<b>System Event Log Information</b>				
2379	System Event Log information.	System Health	Sys Event Log	Informational

TrapID	Description	Category	SubCategory	Severity
<b>System Event Log Warning</b>				
2378	System Event Log warning.	System Health	Sys Event Log	Minor
<b>System Event Log Failure</b>				
2377	System Event Log failure or critical event.	System Health	Sys Event Log	Critical

**Table 644. Software Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Software Configuration Information</b>				
2339	Software Configuration information.	System Health	Software Config	Informational
<b>Software Configuration Warning</b>				
2338	Software Configuration warning.	System Health	Software Config	Minor
<b>Software Configuration Failure</b>				
2337	Software Configuration failure.	System Health	Software Config	Critical

**Table 645. Temperature Probe Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Temperature Probe Normal</b>				
2163	Temperature sensor value is within range.	System Health	Temperature	Informational
<b>Temperature Probe Warning</b>				
2162	Temperature sensor has detected a warning value.	System Health	Temperature	Minor
<b>Temperature Probe Failure</b>				
2161	Temperature sensor has detected a failure value.	System Health	Temperature	Critical

**Table 646. Temperature Statistics Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Temperature Statistics Warning</b>				
2522	Temperature has been above the warning or critical threshold level for a long enough period of time to be considered in a warning state.	System Health	Temperature Statistics	Minor
<b>Temperature Statistics Failure</b>				
2521	Temperature has been above the warning or critical threshold level for a long enough period of time to be considered in a critical state.	System Health	Temperature Statistics	Critical

**Table 647. vFlash Media Device Traps**

TrapID	Description	Category	SubCategory	Severity
<b>vFlash Media Device Information</b>				
2507	vFlash Media device information.	System Health	vFlash Event	Informational
<b>vFlash Media Device Warning</b>				
2506	vFlash Media device warning.	System Health	vFlash Event	Minor

TrapID	Description	Category	SubCategory	Severity
<b>vFlash Media Device Failure</b>				
2505	vFlash Media device failure.	System Health	vFlash Event	Critical

**Table 648. vFlash Media Device Absent Trap**

TrapID	Description	Category	SubCategory	Severity
<b>vFlash Media Device Absent</b>				
2515	vFlash Media device is absent.	System Health	vFlash Absent	Informational

**Table 649. RAC Trap**

TrapID	Description	Category	SubCategory	Severity
<b>RAC Information</b>				
2531	RAC information.	System Health	RAC	Informational

**Table 650. Voltage Probe Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Voltage Probe Normal</b>				
2171	Voltage sensor reading is within range.	System Health	Voltage	Informational
<b>Voltage Probe Warning</b>				
2170	Voltage sensor has detected a warning value.	System Health	Voltage	Minor
<b>Voltage Probe Failure</b>				
2169	Voltage sensor has detected a failure value.	System Health	Voltage	Critical

**Table 651. System Performance Trap**

TrapID	Description	Category	SubCategory	Severity
<b>System Performance Warning</b>				
2650	System performance warning.	System Health	Performance	Minor

**Table 652. iDRAC Memory Unresponsive Trap**

TrapID	Description	Category	SubCategory	Severity
<b>iDRAC Memory Unresponsive</b>				
2433	Unable to communicate with internal iDRAC memory.	System Health	iDRAC Memory Unresponsive	Critical

**Table 653. Solid State Drive Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Solid State Drive</b>				
4370	SSD is less than the threshold value.	System Health	Storage Solid State Drive	Minor

## Storage Trap Group

The Storage Trap Group contains traps that fall under the Storage event category of iDRAC. Storage traps are traps generated in response to events related to the external storage subsystem of the system in which iDRAC resides.

**Table 654. Battery Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Battery Information</b>				
4275	Battery information.	Storage	Battery Event	Informational
<b>Battery Warning</b>				
4274	Battery warning.	Storage	Battery Event	Minor
<b>Battery Failure</b>				
4273	Battery failure.	Storage	Battery Event	Critical

**Table 655. Controller Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Controller Information</b>				
4331	Controller information.	Storage	Storage Contr	Informational
<b>Storage Controller Warning</b>				
4330	Controller warning.	Storage	Storage Contr	Minor
<b>Storage Controller Failure</b>				
4329	Controller failure.	Storage	Storage Contr	Critical

**Table 656. Enclosure Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Enclosure Information</b>				
4339	Enclosure information.	Storage	Storage Enclosr	Informational
<b>Storage Enclosure Warning</b>				
4338	Enclosure warning.	Storage	Storage Enclosr	Minor
<b>Storage Enclosure Failure</b>				
4337	Enclosure failure.	Storage	Storage Enclosr	Critical

**Table 657. Fan Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Fan Information</b>				
4203	Fan information.	Storage	Fan Event	Informational
<b>Storage Fan Warning</b>				
4202	Fan warning.	Storage	Fan Event	Minor
<b>Storage Fan Failure</b>				
4201	Fan failure.	Storage	Fan Event	Critical

**Table 658. Physical Disk Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Physical Disk Information</b>				
4347	Physical disk information.	Storage	Physical Disk	Informational
<b>Storage Physical Disk Warning</b>				
4346	Physical disk warning.	Storage	Physical Disk	Minor
<b>Storage Physical Disk Failure</b>				
4345	Physical disk failure.	Storage	Physical Disk	Critical

**Table 659. Power Supply Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Power Supply Information</b>				
4235	Power supply information.	Storage	Power Supply	Informational
<b>Storage Power Supply Warning</b>				
4234	Power supply warning.	Storage	Power Supply	Minor
<b>Storage Power Supply Failure</b>				
4233	Power supply failure.	Storage	Power Supply	Critical

**Table 660. Security Event Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Security Information</b>				
4435	Storage Security information.	Storage	Security Event	Informational
<b>Security Warning</b>				
4434	Storage Security warning.	Storage	Security Event	Minor
<b>Security Failure</b>				
4433	Storage Security failure or critical event.	Storage	Security Event	Critical

**Table 661. Storage Management Status Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Management Information</b>				
4179	Storage Management information. There is no global status change associated with this trap.	Storage	Storage	Informational
<b>Storage Management Warning</b>				
4178	Storage Management has detected a device independent warning condition. There is no global status change associated with this trap.	Storage	Storage	Minor
<b>Storage Management Failure</b>				
4177	Storage Management has detected a device independent error condition. There is no global status change associated with this trap.	Storage	Storage	Critical

**Table 662. Temperature Probe Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Storage Temperature Probe Information</b>				
4211	Temperature probe information.	Storage	Temperature	Informational
<b>Storage Temperature Probe Warning</b>				
4210	Temperature probe warning.	Storage	Temperature	Minor
<b>Storage Temperature Probe Failure</b>				
4209	Temperature probe failure.	Storage	Temperature	Critical

**Table 663. Virtual Disk Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Storage VirtualDisk Information</b>				

TrapID	Description	Category	SubCategory	Severity
4355	Virtual disk information.	Storage	Virtual Disk	Informational
<b>Storage Virtual Disk Warning</b>				
4354	Virtual disk warning.	Storage	Virtual Disk	Minor
<b>Storage Virtual Disk Failure</b>				
4353	Virtual disk failure.	Storage	Virtual Disk	Critical

## Updates Trap Group

The Updates Trap Group contains traps that fall under the **Updates** event category of iDRAC. Updates traps are traps generated in response to events related to firmware/driver upgrades/downgrades.

**Table 664. Update Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Updates Job Information</b>				
6211	Update job information.	Updates	Updates	Informational

**Table 665. Software Change Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Software Change Update Warning</b>				
6314	Software change update warning.	Updates	Software Change	Minor

## Audit Trap Group

The Audit Trap Group contains traps that fall under the **Audit** event category of iDRAC. Audit traps are traps generated in response to audit-type events of iDRAC, such as authorizing of debugging, changes to iDRAC license state, power state changes, etc.

**Table 666. CMC Traps**

TrapID	Description	Category	SubCategory	Severity
<b>CMC Audit Information</b>				
8691	Chassis Management Controller audit information.	Audit	CMC	Informational
<b>CMC Audit Warning</b>				
8690	Chassis Management Controller audit warning.	Audit	CMC	Minor
<b>CMC Audit Failure</b>				
8689	Chassis Management Controller audit failure or critical event.	Audit	CMC	Critical

**Table 667. Debug Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Debug Information</b>				
8595	Debug authorized.	Audit	Debug	Informational
<b>DebugWarning</b>				
8594	Debug authorization failed.	Audit	Debug	Minor

**Table 668. User Tracking Traps**

TrapID	Description	Category	SubCategory	Severity
<b>User Tracking Warning</b>				
8490	User tracking warning.	Audit	User Tracking	Minor

**Table 669. iDRAC IP Address Change Trap**

TrapID	Description	Category	SubCategory	Severity
<b>iDRAC IP Address Change</b>				
8499	iDRAC IP address has changed.	Audit	DRAC IP Address	Informational

**Table 670. License Traps**

TrapID	Description	Category	SubCategory	Severity
<b>License Information</b>				
8515	License information.	Audit	Licensing	Informational
<b>License Warning</b>				
8514	License warning.	Audit	Licensing	Minor
<b>License Failure</b>				
8513	License failure.	Audit	Licensing	Critical

**Table 671. PCI DeviceTraps**

TrapID	Description	Category	SubCategory	Severity
<b>PCI Device Audit Warning</b>				
8562	PCI device audit warning.	Audit	PCI Device	Minor

**Table 672. Power SupplyTraps**

TrapID	Description	Category	SubCategory	Severity
<b>Power Supply Audit Warning</b>				
8330	Power supply audit warning.	Audit	Power Supply	Minor
<b>Power Supply Audit Failure</b>				
8329	Power supply audit failure or critical event.	Audit	Power Supply	Critical

**Table 673. Power Usage Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Power Usage Audit Information</b>				
8419	Power usage audit information.	Audit	Power Usage	Informational
<b>Power Usage Audit Warning</b>				
8418	Power usage audit warning.	Audit	Power Usage	Minor
<b>Power Usage Audit Failure</b>				
8417	Power usage audit failure or critical event.	Audit	Power Usage	Critical

**Table 674. System Power State Change Trap**

TrapID	Description	Category	SubCategory	Severity
<b>System Power State Change Information</b>				

TrapID	Description	Category	SubCategory	Severity
8579	Host is going through a power state change (powering on or powering off).	Audit	System Info	Informational

## Configuration Trap Group

The Configuration Trap Group contains traps that fall under the **Configuration** event category of the iDRAC. Configuration traps are traps generated in response to events related to hardware configuration changes and software configuration changes.

**Table 675. Auto Discovery Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Auto Discovery Information</b>				
10635	Auto discovery information.	Configuration	Auto Discovery	Informational

**Table 676. NIC Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Network Configuration Information</b>				
10771	Network configuration information.	Configuration	IOID	Informational
<b>Network Configuration Warning</b>				
10770	Network configuration warning.	Configuration	IOID	Minor

**Table 677. IP Address Traps**

TrapID	Description	Category	SubCategory	Severity
<b>IP Address Configuration Information</b>				
10547	IP Address configuration information.	Configuration	IP Address	Informational

**Table 678. Job Control Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Job Control Configuration Information</b>				
10267	Job control configuration information.	Configuration	Job Control	Informational

**Table 679. PCI Device Traps**

TrapID	Description	Category	SubCategory	Severity
<b>PCI Device Configuration Information</b>				
10611	PCI device configuration information.	Configuration	PCI Device	Informational

**Table 680. Security Event Traps**

TrapID	Description	Category	SubCategory	Severity
<b>Security Event Configuration Warning</b>				
10578	Security configuration warning.	Configuration	Security Event	Minor

**Table 681. Software Configuration Traps**

TrapID	Description	Category	SubCategory	Severity
<b>SWC Configuration Warning</b>				
10530	Software configuration warning.	Configuration	Software Config	Minor
<b>SWC Configuration Failure</b>				

TrapID	Description	Category	SubCategory	Severity
10529	Software configuration failure.	Configuration	Software Config	Critical

**Table 682. Test Trap**

TrapID	Description	Category	SubCategory	Severity
<b>Test Trap Event</b>				
10395	The iDRAC generated a test trap event in response to a user request.	Configuration	Test Alert	Informational

## iDRAC Memory Unresponsive Trap

The iDRAC memory unresponsive trap contains traps that fall under the **iDRAC Memory Unresponsive** event category of iDRAC. The notifications which an SNMP v2 entity is required to implement.

**Table 683. Update Traps**

TrapID	Description	Category	SubCategory	Severity
<b>iDRAC Memory Unresponsive</b>				
2433	Unable to communicate with internal iDRAC memory.	System Health	iDRAC Memory Unresponsive	Critical

## Solid State Drive Trap

The Solid state drive trap contains traps that fall under the **Solid State Drive** event category of iDRAC. The notifications which an SNMP v2 entity is required to implement.

**Table 684. Solid State Drive Trap**

TrapID	Description	Category	SubCategory	Severity
Storage Solid State Drive				
4370	SSD is less than the threshold value.	System Health	Storage Solid State Drive	Minor