SNMP Reference Guide for iDRAC and Chassis Management Controller

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DELL EMC

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:

What is new in this release

This release of Dell iDRAC and Chassis Management Controller SNMP introduces the following new trap:

No new traps added in **SNMP Traps for CMC Group and iDRAC group.**

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-SMIv1.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMIv1 version of the iDRAC MIB.
iDRAC-SMIv2.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMIv2 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.

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

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	1700

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

Topic	MIB Group Numbers	
destinations, modem configuration for dial-up networking, dial-in configuration, and dial-out destinations		

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. 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: • Product Information • Chassis Status • Chassis Power • CMC Power Information • CMC PSU Information • Chassis Alerts • Legacy Alerting	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**.

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

Name	`uUIDTable`
Object ID	1.3.6.1.4.1.674.10892.1.300.20
Description	Defines the UUID table.
Syntax	SEQUENCE OF UUIDTableEntry
Access	Not accessible

Table 6. UUID Table Entry

Name	`uUIDTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.300.20.1
Description	Defines the UUID table entry.
Syntax	UUIDTableEntry
Access	Not accessible

Index	`uUIDIndex`
	,
	`uUIDchassisIndex`

Table 7. UUID Chassis Index

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

Table 8. UUID Index

Name	`uUIDIndex`
Object ID	1.3.6.1.4.1.674.10892.1.300.20.1.2

Table 8. UUID Index(continued)

Description	Defines the index of the UUID in a specified chassis.
Syntax	DellObjectRange
Access	Read-only

Table 9. UUID Type

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

Table 10. UUID Value

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

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

Table 12. System Battery Index

Name	`systemBatteryIndex`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.50.1.2

Table 12. System Battery Index(continued)

Description	This attribute defines the index (one based) of the battery.
Syntax	ObjectRange
Access	Read-only

Table 13. System Battery State Capabilities

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

Table 14. System Battery State Settings

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

Table 15. System Battery Status

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

Table 16. System Battery Reading

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

Table 17. System Battery Location Name

Name	`systemBatteryLocationName`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.50.1.7
Description	This attribute defines the location of the battery.
Syntax	String64
Access	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

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

Table 19. Amperage Probe Index

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

Table 20. 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 21. 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 22. 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 23. Amperage Probe Reading

Name	amperageProbeReading
Object ID	1.3.6.1.4.1.674.10892.5.4.600.30.1.6

Table 23. Amperage Probe Reading(continued)

Description	This attribute defines the reading for an amperage probe of type other than amperageProbeTypeIsDiscrete. When the value for amperageProbeType is amperageProbeTypeIsPowerSupplyAmps or amperageProbeTypeIsSystemAmps, 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 amperageProbeTypeIsDiscrete, a value is not returned for this attribute.
Syntax	Signed32BitRange
Access	Read-only

Table 24. 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 25. 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.
Syntax	String64
Access	Read-only

Table 26. Amperage Probe Upper Non Recoverable Threshold

Name	`amperageProbeUpperNonRecoverableThreshold`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.30.1.9
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 27. Amperage Probe Upper Critical Threshold

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

Table 28. Amperage Probe Upper NonCritical Threshold

Name	`amperageProbeUpperNonCriticalThreshold`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.30.1.11

Table 28. Amperage Probe Upper NonCritical Threshold(continued)

Description	This attribute defines the upper noncritical threshold of the amperage probe. The value is an integer representing the amperage of the threshold in milliamps.
Syntax	Signed32BitRange
Access	Read-only

Table 29. Amperage Probe Lower NonCritical Threshold

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

Table 30. Amperage Probe Lower Critical Threshold

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

Table 31. Amperage Probe Lower NonRecoverable Threshold

Name	`amperageProbeLowerNonRecoverableThreshold`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.14
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 32. Amperage Probe Probe Capabilities

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

Table 33. Amperage Probe Discrete Reading

Name	`amperageProbeDiscreteReading`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
Description	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

Table 33. Amperage Probe Discrete Reading(continued)

	amperageProbeType is amperageProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe.
Syntax	AmperageDiscreteReadingEnum
Access	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

Name	`powerUnitchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.10.1.1
Description	This attribute defines the index (one based) of the system chassis.
Syntax	ObjectRange
Access	Read-only

Table 35. Power Unit Index

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

Table 36. Power Unit State Capabilities

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

Table 37. Power Unit State Settings

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

Table 38. Power Unit Redundancy Status

Name	`powerUnitRedundancyStatus`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.5
Description	This attribute defines the redundancy status of the power unit.

Table 38. Power Unit Redundancy Status (continued)

Syntax	StatusRedundancyEnum
Access	Read-only

Table 39. Power Supply Count For Redundancy

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

Table 40. Power Unit Name

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

Table 41. 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 42. 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 43. 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

Table 43. Power Supply Index(continued)

Access	Read-only

Table 44. 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 45. 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 46. 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 47. 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 48. 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 49. Power Supply Location Name

Name	`powerSupplyLocationName`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.12.1.8

Table 49. Power Supply Location Name(continued)

Description	This attribute defines the location of the power supply.
Syntax	String64
Access	Read-only

Table 50. 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 51. 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 52. 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 53. Power Supply Configuration Error Type

Name	`powerSupplyConfigurationErrorType`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.12 .1.12
Description	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.
Syntax	PowerSupplyConfigurationErrorTypeEnum
Access	Read-only

Table 54. Power Supply Power Monitor Capable

Name	`powerSupplyPowerMonitorCapable`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.12 .1.13
Description	This attribute defines a boolean value that reports whether the power supply is capable of monitoring power consumption.
Syntax	BooleanType

Table 54. Power Supply Power Monitor Capable(continued)

Access	Read-only

Table 55. Power Supply Rated Input Wattage

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

Table 56. Power Supply FQDD

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

Table 57. Power Supply Current Input Voltage

Name	`powerSupplyCurrentInputVoltage`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.12 .1.16
Description	This attribute defines the current input voltage to the power supply (in Volts).
Syntax	PowerSupplyConfigurationErrorTypeEnum
Access	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

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

Table 59. Power Usage Index

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

Table 60. Power Usage State Capabilities

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

Table 61. Power Usage State Settings

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

Table 62. Power Usage Status

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

Table 63. Power Usage Entity Name

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

Table 64. Power Usage Cumulative Wattage

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

Table 65. Power Usage Cumulative Wattage Start Date Name

Name	powerUsageCumulativeWattageStartDateName
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.8
Description	This attribute defines the date and time at which the data collection started for the value reported by the powerUsageCumulativeWattage attribute.
Syntax	DateName

Table 65. Power Usage Cumulative Wattage Start Date Name(continued)

Access	Read-only

Table 66. Power Usage Peak Watts

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

Table 67. Power Usage Peak Watts Start Date Name

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

Table 68. Power Usage Peak Watts Reading Date Name

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

Table 69. Power Usage Peak Amps

Name	`powerUsagePeakAmps`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.12
Description	This attribute defines the peak amperage reading (in tenths of Amps) for this entity since the date and time specified by the powerUsagePeakAmpsStartDateName attribute.
Syntax	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	1.3.6.1.4.1.674.10892.5.4.600.60.1.19
Description	This attribute defines the system power cap value (in Watts).

Table 76. Power Usage Power Cap Value(continued)

Syntax	Unsigned32BitRange
Access	Read-only

Table 77. Power Usage Instantaneous Headroom

Name	`powerUsageInstantaneousHeadroom`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.20
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 78. Power Usage Peak Headroom

Name	`powerUsagePeakHeadroom`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.21
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	1.3.6.1.4.1.674.10892.5.4.600.20.1.1
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	1.3.6.1.4.1.674.10892.5.4.600.20.1.2
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	1.3.6.1.4.1.674.10892.5.4.600.20.1.3
Description	This attribute defines the state capabilities of the voltage probe.
Syntax	StateCapabilitiesFlags

Table 81. Voltage Probe State Capabilities(continued)

Access	Read-only

Table 82. Voltage Probe State Settings

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

Table 83. Voltage Probe Status

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

Table 84. Voltage Probe Reading

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

Table 85. Voltage Probe Type

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

Table 86. Voltage Probe Location Name

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

Table 87. Voltage Probe Upper Non Recoverable Threshold

Name	voltageProbeUpperNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.9
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 88. Voltage Probe Upper Critical Threshold

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

Table 89. Voltage Probe Upper NonCritical Threshold

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

Table 90. Voltage Probe Lower NonCritical Threshold

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

Table 91. Voltage Probe Lower Critical Threshold

Name	voltageProbeLowerCriticalThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.13
Description	This attribute defines the lower critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
Syntax	Signed32BitRange
Access	Read-only

Table 92. Voltage Probe Lower NonRecoverable Threshold

Name	voltageProbeLowerNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.14

Table 92. Voltage Probe Lower NonRecoverable Threshold(continued)

Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 93. Voltage Probe Probe Capabilities

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

Table 94. Voltage Probe Discrete Reading

Name	`voltageProbeDiscreteReading`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
Description	This attribute defines the reading for a voltage probe of type voltageProbeTypeIsDiscrete. When the value for voltageProbeType is other than voltageProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for voltageProbeType is voltageProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe.
Syntax	VoltageDiscreteReadingEnum
Access	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

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

Table 96. System Service Tag

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

Table 97. System Express Service Code

Name	`systemExpressServiceCode`

Table 97. System Express Service Code(continued)

Object ID	1.3.6.1.4.1.674.10892.5.1.3.3.0
Description	This attribute defines the express service code of the system.
Syntax	StringType
Access	Read-only

Table 98. System Asset Tag

Name	`systemAssetTag`
Object ID	1.3.6.1.4.1.674.10892.5.1.3.4.0
Description.	This attribute defines the asset tag of the system.
Syntax	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

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

Table 106. System Model Name

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

Table 107. System System ID

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

Table 108. System OS Version

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

Table 109. System Room Name

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

Table 110. System Chassis System Height

Name	systemChassisSystemHeight
Object ID	1.3.6.1.4.1.674.10892.5.1.3.16.0
Description	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.
Syntax	INTEGER
Access	Read-only

Table 111. System Blade Geometry

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

Table 112. System Node ID

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

Table 113. System OEM OS Version

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

Table 114. System Lockdown Mode

Name	systemLockdownMode
Object ID	1.3.6.1.4.1.674.10892.5.1.3.20.0
Description	This attribute defines the system Lockdown mode is enabled or disabled.

Table 114. System Lockdown Mode(continued)

Syntax	SystemLockdownModeEnum	
Access	Read-only	

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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

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

Table 116. DRsProductName

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

Table 117. DRsProductShortName

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

Table 118. DRsProductDescription

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

Table 119. DRsProductManufacturer

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

Table 120. DRsProductVersion

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

Table 121. DRsChassisServiceTag

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

Table 122. DRsProductURL

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

Table 123. DRsProductChassisAssetTag

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

Table 124. DRsProductChassisLocation

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

Table 125. DRsProductChassisName

Name	drsProductChassisName
Object ID	1.3.6.1.4.1.674.10892.2.1.1.10
Description	Defines the name of the chassis.
Syntax	DellString
Access	Read-only

Table 126. DRsSystemServiceTag

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

Table 127. DRsProductSystemAssetTag

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

Table 128. DRsProductSystemSlot

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

Table 129. DRsProductType

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

Table 130. DRsProductChassisDataCenter

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

Table 131. DRsProductChassisAisle

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

Table 132. DRsProductChassisRack

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

Table 133. DRsProductChassisRackSlot

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

Table 134. DRsProductChassisModel

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

Table 135. DRsProductChassisExpressServiceCode

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

Table 136. DRsProductChassisSystemID

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

Table 137. DRsProductChassisSize

Name	drsProductChassisSize
Object ID	1.3.6.1.4.1.674.10892.2.1.1.22
Description	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.
Syntax	INTEGER
Access	Read-only

Table 138. DRsFirmwareVersion

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

Table 139. DRsiKVMFirmwareVersion

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

Table 140. DRsFirmwareVersion2

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

Chassis Status

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

Table 141. DRsGlobalSystemStatus

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

Table 142. DRsGlobalCurrStatus

Name	drsGlobalCurrStatus

Table 142. DRsGlobalCurrStatus(continued)

Object ID	1.3.6.1.4.1.674.10892.2.3.1.1
Description	Defines the overall chassis status being monitored by the chassis management card.
Syntax	DellStatus
Access	Read-only

Table 143. DRsIOMCurrStatus

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

Table 144. DRsKVMCurrStatus

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

Table 145. DRsRedCurrStatus

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

Table 146. DRsPowerCurrStatus

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

Table 147. DRsFanCurrStatus

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

Table 148. DRsBladeCurrStatus

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

Table 149. DRsTempCurrStatus

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

Table 150. DRsCMCCurrStatus

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

Table 151. DRsChassisFrontPanelAmbientTemperature

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

Table 152. DRsCMCAmbientTemperature

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

Table 153. DRsCMCProcessorTemperature

Name	drsCMCProcessorTemperature
Object ID	1.3.6.1.4.1.674.10892.2.3.1.12
Description	Defines the temperature reading (in degrees Celsius) for the chassis management card processor.

Table 153. DRsCMCProcessorTemperature(continued)

Syntax	DellTemperatureReading
Access	Read-only

Table 154. DRsGlobalPrevStatus

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

Table 155. DRsIOMPrevStatus

Name	`drsIOMPrevStatus`
Object ID	1.3.6.1.4.1.674.10892.2.3.2.2
Description	Defines the previous IOM subsystem status recorded by the chassis management card.
Syntax	DellStatus
Access	Read-only

Table 156. DRsKVMPrevStatus

Name	`drsKVMPrevStatus`
Object ID	1.3.6.1.4.1.674.10892.2.3.2.3
Description	Defines the previous iKVM subsystem health status recorded by the chassis management card.
Syntax	DellStatus
Access	Read-only

Table 157. DRsRedPrevStatus

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

Table 158. DRsPowerPrevStatus

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

Table 159. DRsFanPrevStatus

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

Table 160. DRsBladePrevStatus

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

Table 161. DRsTempPrevStatus

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

Table 162. DRsCMCPrevStatus

Name	drsCMCPrevStatus
Object ID	1.3.6.1.4.1.674.10892.2.3.2.9
Description	Defines the CMC health status being monitored by the chassis management card.
Syntax	DellStatus
Access	Read-only

Table 163. DRsGlobalChangeTime

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

Table 164. DRsIOMChangeTime

Name	drsIOMChangeTime
Object ID	1.3.6.1.4.1.674.10892.2.3.3.2
Description	Defines the timestamp of the most recent IOM status change.
Syntax	TimeTicks

Table 164. DRsIOMChangeTime(continued)

Access	Read-only

Table 165. DRsKVMChangeTime

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

Table 166. DRsRedChangeTime

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

Table 167. DRsPowerChangeTime

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

Table 168. DRsFanChangeTime

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

Table 169. DRsBladeChangeTime

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

Table 170. DRsTempChangeTime

Name	`drsTempChangeTime`
Object ID	1.3.6.1.4.1.674.10892.2.3.3.8

Table 170. DRsTempChangeTime(continued)

Description	Defines the timestamp of the most recent temperature sensor health status change.
Syntax	TimeTicks
Access	Read-only

Table 171. DRsCMCChangeTime

Name	`drsCMCChangeTime`
Object ID	1.3.6.1.4.1.674.10892.2.3.3.9
Description	Defines the timestamp of the most recent CMC health status change.
Syntax	TimeTicks
Access	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

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

Table 173. DRsCMC Power Table Entry

Name	`drsCMCPowerTableEntry`
Object ID	1.3.6.1.4.1.674.10892.2.4.1.1
Description	Defines the CMC power table entry.
Syntax	DrsCMCPowerTableEntry
Access	Not-accessible

Table 174. DRsCMC PSUTable

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

Table 175. DRsCMC PSUTableEntry

Name	`drsCMCPSUTableEntry`
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1
Description	Defines the CMC PSU table entry.
Syntax	DrsCMCPSUTableEntry

Table 175. DRsCMC PSUTableEntry(continued)

Access	Not-accessible

CMC Power Information

The following MIB tables provide information on the chassis power.

Table 176. DRsChassisIndex

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

Table 177. DRsPotentialPower

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

Table 178. DRsIdlePower

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

Table 179. DRsMaxPowerSpecification

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

Table 180. DRsPowerSurplus

Name	drsPowerSurplus
Object ID	1.3.6.1.4.1.674.10892.2.4.1.1.5
Description	Defines the power surplus (in watts) remaining above the drsPotentialPower reading.
Syntax	DellPowerReading
Access	Read-only

Table 181. DRsKWhCumulative

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

Table 182. DRsKWhCumulativeTime

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

Table 183. DRsWattsPeakUsage

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

Table 184. DRsWattsPeakTime

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

Table 185. DRsWattsMinUsage

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

Table 186. DRsWattsMinTime

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

Table 187. DRsWattsResetTime

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

Table 188. DRsWattsReading

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

Table 189. DRsAmpsReading

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

CMC PSU Information

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

Table 190. DRsPSUChassisIndex

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

Table 191. DRsPSUIndex

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

Table 192. DRsPSULocation

Name	drsPSULocation

Table 192. DRsPSULocation(continued)

Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.3
Description	Defines the location of the CMC PSU.
Syntax	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.

Table 197. DRsCMCServerTable(continued)

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.
Syntax	DrsCMCServerTableEntry
Access	Not-Accessible

CMC Server Information

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

Table 199. DRsServerIndex

Name	`drsServerIndex`
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.1
Description	Defines the index (one-based) of the associated CMC server.
Syntax	DellCMCServerIndexRange
Access	Read-only

Table 200. DRsServerMonitoringCapable

Name	`drsServerMonitoringCapable`
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.2
Description	Defines the monitoring capabilities, or the absence of a server in this location.
Syntax	DellCMCServerCapable
Access	Read-only

Table 201. DRsServerServiceTag

Name	`drsServerServiceTag`
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.3
Description	Defines the Service Tag of the CMC server.
Syntax	DellString
Access	Read-only

Table 202. DRsServerSlotName

Name	`drsServerSlotName`
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.4
Description	Defines the slot name of the CMC server.
Syntax	DellString
Access	Read-only

Table 203. DRsServerSlotNumber

Name	drsServerSlotNumber
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.5
Description	Defines the chassis slot number of the CMC server.
Syntax	DellString
Access	Read-only

Table 204. DRsServerNodeID

Name	drsServerNodeID
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.6
Description	Defines the Node ID of the CMC server. The Node ID provides a unique identifier for the server.
Syntax	DellString
Access	Read-only

Table 205. DRsServerModel

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

Table 206. DRsServerAssetTag

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

Table 207. DRsServerNumStorageControllers

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

Table 208. DRsServerStorageMode

Name	drsServerStorageMode
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.10
Description	This attribute defines the Storage Mode of the storage sled.
Syntax	DellCMCServerStorageMode

Table 208. DRsServerStorageMode(continued)

Access	Read-only

Table 209. DRsServerIntrusionState

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

Table 210. DRsServerAssignedServerSlots

Name	drsServerAssignedServerSlots
Object ID	1.3.6.1.4.1.674.10892.2.5.1.1.12
Description	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.
Syntax	DellString
Access	Read-only

Chassis Alert

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

Table 211. DRsCASubSystem

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

Table 212. DrsCASSCurrStatus

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

Table 213. DrsCASSPrevStatus

Name	drsCASSPrevStatus
Object ID	1.3.6.1.4.1.674.10892.2.20.10.3
Description	Defines the previous status of the alerting subsystem.
Syntax	DellStatus

Table 213. DrsCASSPrevStatus(continued)

Access	Read-only

Table 214. DrsCASSChangeTime

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

Table 215. DrsCAMessage

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

Chassis Alert 2

Table 216. DRsCA2MessageID

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

Table 217. DrsCA2Message

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

Table 218. DrsCA2MessageArgs

Name	drsCA2MessageArgs
Object ID	1.3.6.1.4.1.674.10892.2.21.10.3
Description	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.
Syntax	DellString
Access	Read-only

Table 219. DrsCA2AlertStatus

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

Table 220. DrsCA2FQDD

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

Legacy Alerting

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

Table 221. DRsAlertSystem

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

Table 222. DRsAlertTableIndexOID

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

Table 223. DRsAlertMessage

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

Table 224. DRsAlertCurrentStatus

Name	drsAlertCurrentStatus
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.4

Table 224. DRsAlertCurrentStatus(continued)

Description	Current status of object causing the alert.
Syntax	DellStatus
Access	Read-only

Table 225. DRsAlertPreviousStatus

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

Table 226. DRsAlertData

Name	`drsAlertData`
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.6
Description	Alert data
Syntax	Octet String
Access	Read-only

3

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 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

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 227. 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 228. BMC Traps

TrapID	Description	Severity
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

Table 228. BMC Traps(continued)

TrapID	Description	Severity
262530	Generic Critical Fan Failure Cleared	Information
264962	Fan redundancy has been degraded	Warning
264961	Fan Redundancy Lost	Critical
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

Table 228. BMC Traps(continued)

TrapID	Description	Severity
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
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 229. 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 Traps and PowerEdge FX2 CMC Traps

This section defines the traps that are generated by the SNMP agent of the PowerEdge VRTX CMC and PowerEdge FX2 CMC. All of the enterprise-specific traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.2.21 and 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 230. Amperage Probe Traps

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

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

Table 233. 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 234. Fan Traps

TrapID	Description	Category	SubCategory	Severity
alert2FanInformation				
2155	Fan information.	Status Events	Fan	Informational

Table 234. Fan Traps(continued)

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

Table 235. Hardware Configuration Traps

TrapID	Description	Category	SubCategory	Severity
alert2HardwareConfigurationInformation				
2331	Hardware configuration information.	Status Events	Hardware Configuration	Informational
alert2HardwareConfigurationWarning				
2330	Hardware configuration warning.	Status Events	Hardware Configuration	Minor
alert2HardwareConfigurationFailure				
2329	Hardware configuration failure or critical event.	Error Events	Hardware Configuration	Critical

Table 236. 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 237. Link Status Traps

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

Table 238. 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

Table 238. Power Supply Traps(continued)

TrapID	Description	Category	SubCategory	Severity
alert2PowerSupplyRedundancyPolicyChanged				
8331	PSU redundancy policy changed.	Status Events	Power Supply	Informational

Table 239. Power Supply Absent Trap

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

Table 240. Redundancy Traps

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

Table 241. Security Event Traps

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

Table 242. System Event Log Traps

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

Table 243. Software Configuration Traps

TrapID	Description	Category	SubCategory	Severity
alert2SoftwareConfigurationInformation				
2339	Software configuration information.	Status Events	Software Configuration	Informational
alert2SoftwareConfigurationWarning				

Table 243. Software Configuration Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2338	Software configuration warning.	Status Events	Software Configuration	Minor

Table 244. 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 245. 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 246. Storage Battery Traps

TrapID	Description	Category	Subcategory	Severity
alert2StorageBatteryInformation				
4275	Storage battery information.	Error Events	Battery	Informational

Table 246. Storage Battery Traps(continued)

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

Table 247. 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 248. 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 249. 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 250. 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				

Table 250. Storage Physical Disk Traps(continued)

TrapID	Description	Category	Subcategory	Severity
4345	Storage physical disk failure.	Error Events	Physical Disk	Critical

Table 251. 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 252. 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 253. 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 254. Storage Temperature Probe Traps

TrapID	Description	Category	Subcategory	Severity
alert2StorageTemperatureProbeInformation				
4211	Storage temperature probe information.	Error Events	Temperature Probe	Informational

Table 254. Storage Temperature Probe Traps(continued)

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

Table 255. 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 256. 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 257. Audit IO Virtualization Traps

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

Table 258. Audit License Traps

TrapID	Description	Category	SubCategory	Severity
alert2LicenseInformation				
8515	License information.	Status Events	License	Informational
alert2LicenseWarning				
8514	License warning.	Status Events	License	Minor

Table 258. Audit License Traps(continued)

TrapID	Description	Category	SubCategory	Severity
alert2LicenseFailure				
8513	License failure.	Error Events	License	Critical

Table 259. Audit PCI Device Traps

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

Table 260. 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 261. Audit Power Usage Traps

TrapID	Description	Category	SubCategory	Severity
alert2PowerUsageAuditInformation				
8419	Power usage audit information.	Status Events	Power Usage	Informational
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 262. 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 263. Configuration IO Virtualization Traps

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

Table 263. Configuration IO Virtualization Traps(continued)

TrapID	Description	Category	SubCategory	Severity
10746	IO Virtualization configuration warning.	Status Events	IO Virtualization	Minor

Table 264. Configuration PCI Device Traps

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

Table 265. Software Configuration Traps

TrapID	Description	Category	SubCategory	Severity
alert2SWCConfigurationWarning				
10530	Software configuration warning.	Status Events	Software Config	Minor
alert2SWCConfigurationFailure				
10529	Software configuration failure.	Error Events	Software Config	Critical

Table 266. 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 267. Software Change Traps

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

4

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

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 268. 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-SMIv1.mib and iDRAC-SMIv2.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 269. RAC Name

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

Table 270. RAC Short Name

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

Table 271. RAC Description

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

Table 272. RAC Manufacturer

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

Table 273. RAC Version

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

Table 274. RAC URL

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

Table 275. RAC Type

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

Table 276. RAC Firmware Version

Name	racFirmwareVersion
Object ID	1.3.6.1.4.1.674.10892.5.1.1.8.0
Description	This attribute defines the firmware version of a remote access card.
Syntax	StringType
Access	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 277. Chassis Service Tag

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

Table 278. Chassis Name Modular

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

Table 279. Chassis Model Modular

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

System Information Group

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

Table 280. System Fully Qualified Domain Name

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

Table 281. System Service Tag

Name	systemServiceTag
Object ID	1.3.6.1.4.1.674.10892.5.1.3.2.0
Description	This attribute defines the service tag of the system.

Table 281. System Service Tag(continued)

Syntax	StringType
Access	Read-only

Table 282. System Express Service Code

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

Table 283. System Asset Tag

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

Table 284. 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 285. 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 286. 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 287. System Data Center Name

Name	systemDataCenterName

Table 287. System Data Center Name(continued)

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 288. 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 289. 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 290. System Rack Slot

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

Table 291. System Model Name

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

Table 292. System System ID

Name	`systemSystemID`
Object ID	1.3.6.1.4.1.674.10892.5.1.3.13.0
Description	This attribute defines the system ID of the system.
Syntax	Unsigned16BitRange
Access	Read-only

Table 293. System OS Version

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

Table 294. System Room Name

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

Table 295. System Chassis System Height

Name	systemChassisSystemHeight
Object ID	1.3.6.1.4.1.674.10892.5.1.3.16.0
Description	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.
Syntax	INTEGER
Access	Read-only

Table 296. System Blade Geometry

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

Table 297. System Node ID

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

Table 298. System OEM OS Version

Name	systemOEMOSVersion
Object ID	1.3.6.1.4.1.674.10892.5.1.3.19.0
Description	This attribute defines the OEM version of the operating system.

Table 298. System OEM OS Version(continued)

Syntax	StringType
Access	Read-only

Table 299. System Lockdown Mode

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

Status Group

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

Table 300. Global System Status

Name	`globalSystemStatus`
Object ID	1.3.6.1.4.1.674.10892.5.2.1.0
Description	This attribute defines the overall rollup status of all components in the system being monitored by the remote access card.
Syntax	ObjectStatusEnum
Access	Read-only

Table 301. System LCD Status

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

Table 302. Global Storage Status

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

Table 303. System Power State

Name	`systemPowerState`
Object ID	1.3.6.1.4.1.674.10892.5.2.4.0
Description	This attribute defines the power state of the system.

Table 303. System Power State(continued)

Syntax	PowerStateStatusEnum
Access	Read-only

Table 304. System Power Up Time

Name	`systemPowerUpTime`
Object ID	1.3.6.1.4.1.674.10892.5.2.5.0
Description	This attribute defines the power-up time of the system in seconds.
Syntax	Unsigned32BitRange
Access	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 305. Power Unit Chassis Index

Name	`powerUnitchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.10.1.1
Description	This attribute defines the index (one based) of the system chassis.
Syntax	ObjectRange
Access	Read-only

Table 306. Power Unit Index

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

Table 307. Power Unit State Capabilities

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

Table 308. Power Unit State Settings

Name	`powerUnitStateSettings`

Table 308. Power Unit State Settings(continued)

Object ID	1.3.6.1.4.1.674.10892.5.4.600.10.1.1.4
Description.	This attribute defines the state settings of the power unit.
Syntax	StateSettingsFlags
Access	Read-only

Table 309. Power Unit Redundancy Status

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

Table 310. Power Supply Count For Redundancy

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

Table 311. Power Unit Name

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

Table 312. 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 313. 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.

Table 313. Power Supply Chassis Index(continued)

Syntax	PowerSupplyTableEntry
Access	Read-only

Table 314. 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 315. 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 316. 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 317. 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 318. 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 319. Power Supply Type

Name	`powerSupplyType`

Table 319. Power Supply Type(continued)

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 320. 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 321. 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 322. 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 323. 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 324. Power Supply Configuration Error Type

Name	`powerSupplyConfigurationErrorType`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.12 .1.12
Description	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.
Syntax	PowerSupplyConfigurationErrorTypeEnum

Table 324. Power Supply Configuration Error Type(continued)

Access	Read-only

Table 325. Power Supply Power Monitor Capable

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

Table 326. Power Supply Rated Input Wattage

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

Table 327. Power Supply FQDD

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

Table 328. Power Supply Current Input Voltage

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

Voltage Probe Table

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

Table 329. Voltage Probe Chassis Index

Name	voltageProbechassisIndex
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.1
Description	This attribute defines the index (one based) of the system chassis.
Syntax	ObjectRange
Access	Read-only

Table 330. Voltage Probe Index

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

Table 331. Voltage Probe State Capabilities

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

Table 332. Voltage Probe State Settings

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

Table 333. Voltage Probe Status

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

Table 334. Voltage Probe Reading

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

Table 335. Voltage Probe Type

Name	voltageProbeType
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.7
Description	This attribute defines the type of the voltage probe.

Table 335. Voltage Probe Type (continued)

Syntax	VoltageTypeEnum
Access	Read-only

Table 336. Voltage Probe Location Name

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

Table 337. Voltage Probe Upper Non Recoverable Threshold

Name	`voltageProbeUpperNonRecoverableThreshold`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.9
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 338. Voltage Probe Upper Critical Threshold

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

Table 339. Voltage Probe Upper NonCritical Threshold

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

Table 340. Voltage Probe Lower NonCritical Threshold

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

Table 341. Voltage Probe Lower Critical Threshold

Name	voltageProbeLowerCriticalThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.13
Description	This attribute defines the lower critical threshold of the voltage probe. The value is an integer representing the voltage of the threshold in millivolts.
Syntax	Signed32BitRange
Access	Read-only

Table 342. Voltage Probe Lower NonRecoverable Threshold

Name	voltageProbeLowerNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.14
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 343. Voltage Probe Probe Capabilities

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

Table 344. Voltage Probe Discrete Reading

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

Amperage Probe Table

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

Table 345. Amperage Probe Chassis Index

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

Table 346. Amperage Probe Index

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

Table 347. 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 348. 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 349. 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 350. 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 amperageProbeTypeIsDiscrete. When the value for amperageProbeType is amperageProbeTypeIsPowerSupplyAmps or amperageProbeTypeIsSystemAmps, 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 amperageProbeTypeIsDiscrete, a value is not returned for this attribute.
Syntax	Signed32BitRange
Access	Read-only

Table 351. Amperage Probe Type

Name	amperageProbeType
Object ID	1.3.6.1.4.1.674.10892.5.4.600.30.1.7

Table 351. Amperage Probe Type (continued)

Description	This attribute defines the type of the amperage probe.
Syntax	AmperageProbeTypeEnum
Access	Read-only

Table 352. 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.
Syntax	String64
Access	Read-only

Table 353. Amperage Probe Upper Non Recoverable Threshold

Name	amperageProbeUpperNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.30.1.9
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 354. Amperage Probe Upper Critical Threshold

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

Table 355. Amperage Probe Upper NonCritical Threshold

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

Table 356. Amperage Probe Lower NonCritical Threshold

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

Table 357. Amperage Probe Lower Critical Threshold

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

Table 358. Amperage Probe Lower NonRecoverable Threshold

Name	amperageProbeLowerNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.14
Description	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.
Syntax	Signed32BitRange
Access	Read-only

Table 359. Amperage Probe Probe Capabilities

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

Table 360. Amperage Probe Discrete Reading

Name	amperageProbeDiscreteReading
Object ID	1.3.6.1.4.1.674.10892.5.4.600.20.1.16
Description	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.
Syntax	AmperageDiscreteReadingEnum
Access	Read-only

System Battery Table

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

Table 361. System Battery Table Entry

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

Table 362. System Battery Index

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

Table 363. System Battery State Capabilities

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

Table 364. System Battery State Settings

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

Table 365. System Battery Status

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

Table 366. System Battery Reading

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

Table 367. System Battery Location Name

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

Power Usage Table

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

Table 368. Power Usage Chassis Index

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

Table 369. Power Usage Index

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

Table 370. Power Usage State Capabilities

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

Table 371. Power Usage State Settings

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

Table 372. Power Usage Status

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

Table 373. Power Usage Entity Name

Name	powerUsageEntityName
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.6

Table 373. Power Usage Entity Name(continued)

Description	This attribute defines the name of the entity associated with this power usage information.
Syntax	String64
Access	Read-only

Table 374. Power Usage Cumulative Wattage

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

Table 375. Power Usage Cumulative Wattage Start Date Name

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

Table 376. Power Usage Peak Watts

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

Table 377. Power Usage Peak Watts Start Date Name

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

Table 378. Power Usage Peak Watts Reading Date Name

Name	`powerUsagePeakWattsReadingDateName`
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.11
Description	This attribute defines the date and time at which the value reported by the powerUsagePeakWatts attribute was measured.
Syntax	DateName

Table 378. Power Usage Peak Watts Reading Date Name(continued)

Access	Read-only

Table 379. Power Usage Peak Amps

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

Table 380. 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 381. 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 382. 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 383. 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 384. 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 385. 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 386. 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 387. 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 388. Power Usage Peak Headroom

Name	powerUsagePeakHeadroom
Object ID	1.3.6.1.4.1.674.10892.5.4.600.60.1.21
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

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 389. 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 390. 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: 1. The current state could not be determined. 2. The battery is operating normally. 3. The battery has failed and needs to be replaced. 4. The battery temperature is high or charge level is depleting. 5. The battery is missing or not detected. 6. The battery is undergoing the re-charge phase. 7. The battery voltage or charge level is below the threshold.
Syntax	INTEGER
Access	read-only

Table 391. 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 392. Battery Predicted Capacity

Name	batteryPredictedCapacity

Table 392. Battery Predicted Capacity(continued)

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 393. 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 394. 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 395. 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 396. 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 397. 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 398. 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 399. 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 400. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 401. 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: 1. Other 2. Unknown 3. OK

Table 401. Controller Component Status(continued)

	4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 402. 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 403. 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 404. 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 405. 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 406. Controller BGI Rate

Name	`controllerBGIRate`
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.50

Table 406. Controller BGI Rate(continued)

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 407. 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 408. 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: 1. Not one of the following or could not be determined 2. Not Supported on this controller 3. Disabled 4. Automatic 5. Manual
Syntax	INTEGER
Access	read-only

Table 409. 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: 1. Not one of the following or could not be determined 2. Patrol read is not running 3. Patrol read is running
Syntax	INTEGER
Access	read-only

Table 410. 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 411. 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 412. 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 413. 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 414. 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 415. 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: 1. Not one of the following. 2. Not supported on this controller. 3. Normal check consistency operation. 4. Check consistency operation will stop on encountering an error.
Syntax	INTEGER
Access	read-only

Table 416. Controller Copy Back Mode

Name	controllerCopyBackMode

Table 416. Controller Copy Back Mode(continued)

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: 1. Not one of the following. 2. Not supported on this controller. 3. Disks assigned as spares could revert back to spare status. 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. 5. Copyback mode is disabled
Syntax	INTEGER
Access	read-only

Table 417. 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: 1. The current status could not be determined. 2. Controller is not operating in an encryption mode. 3. Controller is operating in the Local Key Management (LKM) encryption mode.
Syntax	INTEGER
Access	read-only

Table 418. 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 419. 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: 1. Not one of the following. 2. No encryption supported. 3. Local Key Management.
Syntax	INTEGER
Access	read-only

Table 420. 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:

Table 420. Controller Load Balance Setting(continued)

	1. Not one of the following. 2. Not supported. 3. Automatic load balancing is active. 4. Load balancing is inactive.
Syntax	INTEGER
Access	read-only

Table 421. 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: 1. The speed could not be determined. 2. 1.5 Gbps 3. 3.0 Gbps 4. 6.0 Gbps 5. 12.0 Gbps
Syntax	INTEGER
Access	read-only

Table 422. 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 423. 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 424. 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 425. 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: 1. Not one of the following. 2. Capable of supporting T10 PI. 3. Not capable of supporting T10 PI.
Syntax	INTEGER
Access	read-only

Table 426. 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 427. 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: 1. Not one of the following. 2. Not Supported. 3. Disabled. 4. Enabled.
Syntax	INTEGER
Access	read-only

Table 428. 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 429. 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: 1. Not applicable for this controller.

Table 429. Controller Boot Mode(continued)

	2. User mode: User interaction required for all boot messages (not applicable for uEFI environments). 3. Continue Boot On Error. User interaction only required for critical messages. 4. Headless Mode Continue On Error. User interaction is not required. Controller boot may halt on Error. 5. Headless Safe Mode. Controller shall boot to safe mode on critical errors.
Syntax	INTEGER
Access	read-only

Table 430. 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: 1. None 2. Fault Tolerant(Active/Passive) 3. Fault Tolerant(Active/Active) 4. Degraded
Syntax	INTEGER
Access	read-only

NOTE: This attribute is applicable for VRTX CMC only.

Table 431. 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 432. 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.

Table 432. Physical Disk Number(continued)

Syntax	INTEGER
Access	read-only

Table 433. 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 434. 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 435. 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 436. 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 437. 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 438. 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 439. 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 440. 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 441. Physical Disk Free Space In MB

Name	physicalDiskFreeSpaceInMB
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 442. Physical Disk Bus Type

Name	physicalDiskBusType
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:

Table 442. Physical Disk Bus Type(continued)

	1. The bus type could not be determined. 2. Small Computer System Interface (SCSI). 3. Serial Attached SCSI (SAS). 4. Serial Advanced Technology Attachment (SATA). 5. Fibre channel. 6. PCIe.
Syntax	INTEGER
Access	read-only

Table 443. Physical Disk Spare State

Name	`physicalDiskSpareState`
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: 1. Physical disk is not a spare. 2. Physical disk is a dedicated hot spare. 3. Physical disk is a global hot spare.
Syntax	INTEGER
Access	read-only

Table 444. Physical Disk Component Status

Name	`physicalDiskComponentStatus`
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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 445. 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 446. Physical Disk SAS Address

Name	`physicalDiskSASAddress`
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.28

Table 446. Physical Disk SAS Address(continued)

Description	The SAS address of the physical disk.
Syntax	DisplayString
Access	read-only

Table 447. 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: 1. The speed could not be determined. 2. 1.5 Gbps 3. 3.0 Gbps 4. 6.0 Gbps 5. 12.0 Gbps 6. 5 GT/s (applicable for NVMe devices). 7. 8 GT/s (applicable for NVMe devices).
Syntax	INTEGER
Access	read-only

Table 448. 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: 1. The speed could not be determined. 2. 1.5 Gbps 3. 3.0 Gbps 4. 6.0 Gbps 5. 12.0 Gbps 6. 5 GT/s (applicable for NVMe devices). 7. 8 GT/s (applicable for NVMe devices).
Syntax	INTEGER
Access	read-only

Table 449. 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 450. Physical Disk Manufacture Day

Name	`physicalDiskManufactureDay`
Object ID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.32

Table 450. Physical Disk Manufacture Day(continued)

Description	The day of the week on which the physical disk was manufactured.
Syntax	DisplayString
Access	read-only

Table 451. 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 452. 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 453. 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: 1. The media type could not be determined. 2. Hard Disk Drive (HDD). 3. Solid State Device (SSD).
Syntax	INTEGER
Access	read-only

Table 454. 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 455. 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:

Table 455. Physical Disk Power State(continued)

	1. Not one of the following. 2. The physical disk is in the spun up state. 3. The physical disk is in the spun down state. 4. The physical disk is changing from spun down state to spun up state or vice versa. 5. The Solid State Device (SSD) is powered on.
Syntax	INTEGER
Access	read-only

Table 456. 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: 1. There is no active operation running. 2. Data from a redundant virtual disk is currently being rebuilt onto the physical disk. 3. Data on the disk is being erased. 4. Data is being copied from a hot spare disk to the physical disk or vice versa.
Syntax	INTEGER
Access	read-only

Table 457. 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 458. 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: 1. The physical disk supports encryption. 2. The physical disk does not support encryption 3. The physical disk is encrypted. 4. The physical disk is locked by a key. 5. The physical disk is locked by a foreign key.
Syntax	INTEGER
Access	read-only

Table 459. Physical Disk Form Factor

Name	`physicalDiskFormFactor`

Table 459. Physical Disk Form Factor(continued)

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: 1. The form factor could not be determined. 2. 1.8 inch. 3. 2.5 inch. 4. 3.5 inch.
Syntax	INTEGER
Access	read-only

Table 460. 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 461. 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 462. 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: 1. Not one of the following. 2. Capable of supporting T10 PI. 3. Not capable of supporting T10 PI.
Syntax	INTEGER
Access	read-only

Table 463. 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: 1. 512 2. 4096

Table 463. Physical Disk Block Size In Bytes(continued)

Syntax	INTEGER
Access	read-only

Table 464. 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 465. 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 466. 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 467. 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 468. 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 469. 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 470. 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 471. 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: 1. The current state could not be determined. 2. The virtual disk is operating normally or optimally. 3. The virtual disk has encountered a failure. The data on disk is lost or is about to be lost. 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.
Syntax	INTEGER
Access	read-only

Table 472. 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 473. 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: 1. Write Through. 2. Write Back. 3. Force Write Back.
Syntax	INTEGER
Access	read-only

Table 474. 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: 1. No Read Ahead. 2. Read Ahead. 3. Adaptive Read Ahead.
Syntax	INTEGER
Access	read-only

Table 475. 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: 1. Not one of the following 2. RAID-0 3. RAID-1 4. RAID-5 5. RAID-6 6. RAID-10 7. RAID-50 8. RAID-60 9. Concatenated RAID 1 10. Concatenated RAID 5
Syntax	INTEGER
Access	read-only

Table 476. 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: 1. Not one of the following 2. Default

Table 476. Virtual Disk Stripe Size(continued)

	3. 512 bytes 4. 1 kB 5. 2 kB 6. 4 kB 7. 8 kB 8. 16 kB 9. 32 kB 10. 64 kB 11. 128 kB 12. 256 kB 13. 512 kB 14. 1 MB 15. 2 MB 16. 4 MB 17. 8 MB 18. 16 MB
Syntax	INTEGER
Access	read-only

Table 477. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 478. 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 479. 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

Table 479. Virtual Disk Secured(continued)

Access	read-only

Table 480. 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 481. 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: 1. Enabled 2. Disabled 3. Default
Syntax	INTEGER
Access	read-only

Table 482. 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: 1. There is no active operation running. 2. The virtual disk configuration has changed. The physical disks included in the virtual disk are being modified to support the new configuration. 3. A Consistency Check (CC) is being performed on the virtual disk. 4. The virtual disk is being initialized. 5. Back Ground Initialization (BGI) is being performed on the virtual disk.
Syntax	INTEGER
Access	read-only

Table 483. 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 484. 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 485. 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 486. 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 487. 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 488. 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 489. 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

Table 489. Virtual Disk T10 PI Status(continued)

Description	Indicates whether the virtual disk supports the T10 PI (Protection Information). These protection fields are known as DIF (Data Integrity Fields). Possible values: 1. Not one of the following. 2. Enabled. 3. Disabled.
Syntax	INTEGER
Access	read-only

Table 490. 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: 1. 512 2. 4096.
Syntax	INTEGER
Access	read-only

Table 491. 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: 1. No Access. 2. Full Access.
Syntax	INTEGER
Access	read-only

NOTE: This attribute is applicable for VRTX CMC only.

Table 492. 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: 1. No Access. 2. Full Access.
Syntax	INTEGER
Access	read-only

NOTE: This attribute is applicable for VRTX CMC only.

Table 493. Virtual Disk Adapter 3 Access Policy

Name	`virtualDiskAdapter3AccessPolicy`

Table 493. Virtual Disk Adapter 3 Access Policy (continued)

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: 1. No Access. 2. Full Access.
Syntax	INTEGER
Access	read-only

NOTE: This attribute is applicable for VRTX CMC only.

Table 494. 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: 1. No Access. 2. Full Access.
Syntax	INTEGER
Access	read-only

NOTE: This attribute is applicable for VRTX CMC only.

Table 495. 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 496. 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 497. Virtual Disk Failover Controller

Name	`virtualDiskFailoverController`

Table 497. Virtual Disk Failover Controller (continued)

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 498. 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 499. 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 500. 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: 1. The current state could not be determined. 2. The enclosure is operating normally. 3. The enclosure has encountered a hardware problem or is not responding. 4. The enclosure is no longer connected to the controller or there exists a problem communicating to the enclosure. 5. The enclosure is unstable. 6. The enclosure is inactive due to being configured by another controller. 7. The enclosure is offline and inAccessible. 8. The enclosure is online and Accessible. 9. The enclosure is currently blocked by another controller.

Table 500. Enclosure State(continued)

Syntax	INTEGER
Access	read-only

Table 501. 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 502. 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 503. 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 504. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 505. 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.

Table 505. Enclosure Firmware Version(continued)

Syntax	DisplayString
Access	read-only

Table 506. 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 507. 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 508. 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 509. 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 510. 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 511. Enclosure EMM Count

Name	enclosureEMMCount

Table 511. Enclosure EMM Count(continued)

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 512. 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 513. 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 514. 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 515. 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 516. 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 517. 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 518. 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: 1. Not one of the following or could not be determined. 2. Not applicable (i.e. object is not a backplane). 3. Supports SAS/SATA. 4. Supports PCIe 5. Both SAS/SATA and PCIe
Syntax	INTEGER
Access	read-only

Enclosure Management Module Table

The objects provide information about the Enclosure Management Module 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*.1.20.130.13.1.1 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 519. 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 520. 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 521. Enclosure Management Module State

Name	enclosureManagementModuleState

Table 521. Enclosure Management Module State(continued)

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: 1. The current state could not be determined 2. The enclosure management module is operating normally 3. The enclosure management module has encountered a hardware problem or is not responding 4. The enclosure management module is no longer connected to the enclosure or there exists a problem communicating to it 5. The enclosure management module is unstable
Syntax	INTEGER
Access	read-only

Table 522. 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 523. 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 524. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 525. Enclosure Management Module FQDD

Name	`enclosureManagementModuleFQDD`
Object Id	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.15

Table 525. Enclosure Management Module FQDD(continued)

Description	The enclosure management module's Fully Qualified Device Descriptor (FQDD) as represented in Storage Management.
Syntax	FQDDString
Access	read-only

Table 526. 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 527. 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 528. 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 529. 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: 1. The current state could not be determined 2. The fan is operating normally 3. The fan has encountered a hardware problem or is not responding

Table 529. Enclosure Fan State(continued)

	4. The fan is no longer connected to the enclosure or there exists a problem communicating to it 5. The fan is unstable
Syntax	INTEGER
Access	read-only

Table 530. 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 531. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 532. 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 533. 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 534. 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 535. 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 536. 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: 1. The current state could not be determined 2. The power supply unit is operating normally 3. The power supply unit has encountered a hardware problem or is not responding 4. The power supply unit is no longer connected to the enclosure or there exists a problem communicating to it 5. The power supply unit is unstable
Syntax	INTEGER
Access	read-only

Table 537. 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 538. Enclosure Power Supply Component Status

Name	`enclosurePowerSupplyComponentStatus`

Table 538. Enclosure Power Supply Component Status(continued)

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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 539. 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	FQDDString
Access	read-only

Table 540. 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.

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 541. 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 542. 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 543. 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: 1. The current state could not be determined 2. The temperature probe is operating normally 3. The temperature probe has encountered a hardware problem or is not responding 4. The temperature probe is no longer connected to the enclosure or there exists a problem communicating to it 5. The temperature probe is unstable 6. The temperature probe is Over Warning Temperature 7. The temperature probe is Under Warning Temperature
Syntax	INTEGER
Access	read-only

Table 544. 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 545. 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 546. 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 547. 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 548. 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 549. 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: 1. Other 2. Unknown 3. OK 4. Non-critical 5. Critical 6. Non-recoverable
Syntax	ObjectStatusEnum
Access	read-only

Table 550. 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 551. 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 552. Alert Message ID

Variable Name	`alertMessageID`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.1.0
Description	Message ID of the event.
Syntax	DisplayString
Access	Read-only

Table 553. Alert Message

Variable Name	`alertMessage`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.2.0
Description	Message describing the alert.
Syntax	StringType

Table 553. Alert Message

Access	Read-only

Table 554. Alert Current Status

Variable Name	`alertCurrentStatus`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.3.0

Table 554. Alert Current Status(continued)

Description	Current status of object causing the alert, if applicable.
Syntax	ObjectStatusEnum
Access	Read-only

Table 555. Alert System Service Tag

Variable Name	`alertSystemServiceTag`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.4.0
Description	Service tag of the system.
Syntax	DisplayString

Table 555. Alert System Service Tag

Access	Read-only

Table 556. Alert System FQDN

Variable Name	`alertSystemFQDN`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.5.0
Description	Fully qualified domain name of the system.
Syntax	StringType

Table 556. Alert System FQDN

Access	Read-only

Table 557. Alert FQDD

Variable Name	`alertFQDD`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.6.0
Description	Fully qualified device descriptor of the device.
Syntax	DisplayString

Table 557. Alert FQDD

Access	Read-only

Table 558. Alert Device Display Name

Variable Name	`alertDeviceDisplayName`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.7.0
Description	Display name of the device/FQDD
Syntax	DisplayString

Table 558. Alert Device Display Name

Access	Read-only

Table 559. Alert Message Arguments

Variable Name	`alertMessageArguments`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.8.0
Description	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

Table 559. Alert Message Arguments(continued)

	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.
Syntax	StringType

Table 559. Alert Message Arguments

Access	Read-only

Table 560. Alert Chassis Service Tag

Variable Name	`alertChassisServiceTag`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.9.0
Description	For modular systems, the service tag of the enclosing chassis. For rack and tower systems, this varbind will be empty (zero length).
Syntax	DisplayString

Table 560. Alert Chassis Service Tag

Access	Read-only

Table 561. Alert Chassis Name

Variable Name	`alertChassisName`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.10.0
Description	For modular systems, the chassis name of the enclosing chassis. For rack and tower systems, this varbind will be empty (zero length).
Syntax	DisplayString

Table 561. Alert Chassis Name

Access	Read-only

Table 562. Alert Rac FQDN

Variable Name	`alertRacFQDN`
Object ID	1.3.6.1.4.1.674.10892.5.3.1.11.0
Description	Fully qualified domain name of the remote access card.
Syntax	StringType

Table 562. Alert Rac FQDN

Access	Read-only

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 563. Amperage Probe Traps

TrapID	Description	Category	SubCategory	Severity
Amperage Probe Normal				
2179	Current sensor reading is within range.	System Health	Amperage	Informational
Amperage Probe Warning				

Table 563. Amperage Probe Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2178	Current sensor has detected a warning value.	System Health	Amperage	Minor
Amperage Probe Failure				
2177	Current sensor has detected a failure value.	System Health	Amperage	Critical

Table 564. Automatic System Recovery Trap

TrapID	Description	Category	SubCategory	Severity
Automatic System Recovery				
2233	Automatic system recovery (ASR) was performed.	System Health	Auto Sys Reset	Critical

Table 565. Battery Traps

TrapID	Description	Category	SubCategory	Severity
Battery Normal				
2227	Battery state has returned to normal; or battery presence had been detected.	System Health	Battery Event	Informational
Battery Warning				
2226	Battery is low.	System Health	Battery Event	Minor
Battery Failure				
2225	Battery has failed or battery is absent.	System Health	Battery Event	Critical

Table 566. Cable Traps

TrapID	Description	Category	SubCategory	Severity
Cable Failure				
2393	Cable failure or critical event.	System Health	Cable	Critical

Table 567. CMC Traps

TrapID	Description	Category	SubCategory	Severity
CMC Warning				
2546	Chassis Management Controller detected a warning.	System Health	CMC	Minor
CMC Failure				
2545	Chassis Management Controller detected an error.	System Health	CMC	Critical

Table 568. Processor Device Status Traps

TrapID	Description	Category	SubCategory	Severity
Processor DeviceStatus Normal				
2243	Processor device status has returned to normal.	System Health	Processor	Informational
ProcessorDeviceStatusWarning				

Table 568. Processor Device Status Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2242	Processor device status has detected a warning.	System Health	Processor	Minor
ProcessorDeviceStatusFailure				
2241	Processor device status has detected a failure.	System Health	Processor	Critical

Table 569. Processor Device Absent Trap

TrapID	Description	Category	SubCategory	Severity
Processor Device Absent				
2457	Processor device is absent.	System Health	Proc Absent	Critical

Table 570. Fan Traps

TrapID	Description	Category	SubCategory	Severity
Fan Information				
2155	Fan information.	System Health	Fan Event	Informational
Fan Warning				
2154	Fan warning.	System Health	Fan Event	Minor
Fan Failure				
2153	Fan failure.	System Health	Fan Event	Critical

Table 571. Fiber Channel Traps

TrapID	Description	Category	SubCategory	Severity
Fiber Channel Information				
2539	Fiber Channel information.	System Health	Fiber Channel	Informational
Fiber Channel Warning				
2538	Fiber Channel warning.	System Health	Fiber Channel	Minor
Fiber Channel Failure				
2537	Fiber Channel failure or critical event.	System Health	Fiber Channel	Critical

Table 572. Hardware Configuration Traps

TrapID	Description	Category	SubCategory	Severity
Hardware Configuration Information				
2331	Hardware configuration information.	System Health	Hardware Config	Informational
Hardware Configuration Warning				
2330	Hardware configuration warning.	System Health	Hardware Config	Minor
Hardware Configuration Failure				
2329	Hardware configuration failure or critical event.	System Health	Hardware Config	Critical

Table 573. IO Virtualization Traps

TrapID	Description	Category	SubCategory	Severity
IO Virtualization Failure				
2553	IO Virtualization failure or critical event.	System Health	IO Virtualization	Critical

Table 574. Link StatusTraps

TrapID	Description	Category	SubCategory	Severity
Link Status Information				
2251	Link status information.	System Health	Link Status	Informational
Link Status Warning				
2250	Link status warning.	System Health	Link Status	Minor
Link Status Failure				
2249	Link status failure or critical event.	System Health	Link Status	Critical

Table 575. Memory Device Traps

TrapID	Description	Category	SubCategory	Severity
Memory Device Information				
2267	Memory device informational event.	System Health	Memory	Informational
Memory Device Warning				
2266	Memory device status is noncritical.	System Health	Memory	Minor
Memory Device Failure				
2265	Memory device status is critical.	System Health	Memory	Critical

Table 576. NIC Traps

TrapID	Description	Category	SubCategory	Severity
Network Information				
2091	Network information.	System Health	NIC Config	Informational
Network Warning				
2090	Network warning.	System Health	NIC Config	Minor
Network Failure				
2089	Network failure or critical event.	System Health	NIC Config	Critical

Table 577. Operation System ("OS") Event Traps

TrapID	Description	Category	SubCategory	Severity
OS Information				
2411	An OS graceful stop occurred; or an OS graceful shut-down occurred.	System Health	OS Event	Informational
OS Failure				
2409	A critical stop occurred during OS load; or a runtime critical stop occurred.	System Health	OS Event	Critical

Table 578. PCI Device Traps

TrapID	Description	Category	SubCategory	Severity
PCI Device Information				
2419	An informational event was detected for a PCI device.	System Health	PCI Device	Informational
PCI Device Warning				
2418	A warning event was detected for a PCI device.	System Health	PCI Device	Minor
PCI Device Failure				
2417	An error was detected for a PCI device.	System Health	PCI Device	Critical

Table 579. Physical Disk Traps

TrapID	Description	Category	SubCategory	Severity
Physical Disk Information				
2299	Physical disk information.	System Health	Physical Disk	Informational
Physical Disk Warning				
2298	Physical disk warning.	System Health	Physical Disk	Minor
Physical Disk Failure				
2297	Physical disk failure.	System Health	Physical Disk	Critical

Table 580. BIOS POST Trap

TrapID	Description	Category	SubCategory	Severity
Bios Post Failure				
2425	System BIOS detected a failure.	System Health	BIOS POST	Critical

Table 581. Power Supply Traps

TrapID	Description	Category	SubCategory	Severity
Power Supply Normal				
2187	Power supply has returned to normal.	System Health	Power Supply	Informational
Power Supply Warning				
2186	Power supply has detected a warning.	System Health	Power Supply	Minor
Power Supply Failure				
2185	Power supply has detected a failure.	System Health	Power Supply	Critical

Table 582. Power Supply Absent Trap

TrapID	Description	Category	SubCategory	Severity
Power Supply Absent				
2465	Power supply is absent.	System Health	PSU Absent	Critical

Table 583. Power Usage Traps

TrapID	Description	Category	SubCategory	Severity
Power Usage Information				

Table 583. Power Usage Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2275	System performance restored.	System Health	Power Usage	Informational
Power Usage Warning				
2274	System performance degraded.	System Health	Power Usage	Minor
Power Usage Failure				
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 584. Redundancy Traps

TrapID	Description	Category	SubCategory	Severity
Redundancy Information				
2475	Redundancy information.	System Health	Redundancy	Informational
Redundancy Degraded				
2474	Redundancy is degraded.	System Health	Redundancy	Minor
Redundancy Lost				
2473	Redundancy is lost.	System Health	Redundancy	Critical

Table 585. Integrated Dual SD Module Traps

TrapID	Description	Category	SubCategory	Severity
Integrated Dual SD ModuleInformation				
2211	Integrated Dual SD Module information.	System Health	IDSDM Media	Informational
Integrated Dual SD ModuleWarning				
2210	Integrated Dual SD Module warning.	System Health	IDSDM Media	Minor
Integrated Dual SD ModuleFailure				
2209	Integrated Dual SD Module failure.	System Health	IDSDM Media	Critical

Table 586. Integrated Dual SD Module Absent Trap

TrapID	Description	Category	SubCategory	Severity
Integrated Dual SD ModuleAbsent				
2481	Integrated Dual SD Module is absent.	System Health	IDSDM Absent	Critical

Table 587. Integrated Dual SD Module Redundancy Traps

TrapID	Description	Category	SubCategory	Severity
Integrated Dual SD Module Redundancy Information				
2491	Integrated Dual SD Module redundancy information.	System Health	IDSDM Redundancy	Informational
Integrated Dual SD Module Redundancy Degraded				
2490	Integrated Dual SD Module redundancy is degraded.	System Health	IDSDM Redundancy	Minor

Table 587. Integrated Dual SD Module Redundancy Traps(continued)

TrapID	Description	Category	SubCategory	Severity
Integrated Dual SD Module Redundancy Lost				
2489	Integrated Dual SD Module redundancy is lost.	System Health	IDSDM Redundancy	Critical

Table 588. Security Event Traps

TrapID	Description	Category	SubCategory	Severity
Security Information				
2387	Security information.	System Health	Security Event	Informational
Security Warning				
2386	Security warning.	System Health	Security Event	Minor
Security Failure				
2385	Security failure or critical event.	System Health	Security Event	Critical

Table 589. System Event Log Traps

TrapID	Description	Category	SubCategory	Severity
System Event Log Information				
2379	System Event Log information.	System Health	Sys Event Log	Informational
System Event Log Warning				
2378	System Event Log warning.	System Health	Sys Event Log	Minor
System Event Log Failure				
2377	System Event Log failure or critical event.	System Health	Sys Event Log	Critical

Table 590. Software Configuration Traps

TrapID	Description	Category	SubCategory	Severity
Software Configuration Information				
2339	Software Configuration information.	System Health	Software Config	Informational
Software Configuration Warning				
2338	Software Configuration warning.	System Health	Software Config	Minor
Software Configuration Failure				
2337	Software Configuration failure.	System Health	Software Config	Critical

Table 591. Temperature Probe Traps

TrapID	Description	Category	SubCategory	Severity
Temperature Probe Normal				
2163	Temperature sensor value is within range.	System Health	Temperature	Informational
Temperature Probe Warning				
2162	Temperature sensor has detected a warning value.	System Health	Temperature	Minor
Temperature Probe Failure				

Table 591. Temperature Probe Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2161	Temperature sensor has detected a failure value.	System Health	Temperature	Critical

Table 592. Temperature Statistics Traps

TrapID	Description	Category	SubCategory	Severity
Temperature Statistics Warning				
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
Temperature Statistics Failure				
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 593. vFlash Media Device Traps

TrapID	Description	Category	SubCategory	Severity
vFlash Media Device Information				
2507	vFlash Media device information.	System Health	vFlash Event	Informational
vFlash Media Device Warning				
2506	vFlash Media device warning.	System Health	vFlash Event	Minor
vFlash Media Device Failure				
2505	vFlash Media device failure.	System Health	vFlash Event	Critical

Table 594. vFlash Media Device Absent Trap

TrapID	Description	Category	SubCategory	Severity
vFlash Media Device Absent				
2515	vFlash Media device is absent.	System Health	vFlash Absent	Informational

Table 595. RAC Trap

TrapID	Description	Category	SubCategory	Severity
RAC Information				
2531	RAC information.	System Health	RAC	Informational

Table 596. Voltage Probe Traps

TrapID	Description	Category	SubCategory	Severity
Voltage Probe Normal				
2171	Voltage sensor reading is within range.	System Health	Voltage	Informational
Voltage Probe Warning				
2170	Voltage sensor has detected a warning value.	System Health	Voltage	Minor
Voltage Probe Failure				

Table 596. Voltage Probe Traps(continued)

TrapID	Description	Category	SubCategory	Severity
2169	Voltage sensor has detected a failure value.	System Health	Voltage	Critical

Table 597. System Performance Trap

TrapID	Description	Category	SubCategory	Severity
System Performance Warning				
2650	System performance warning.	System Health	Performance	Minor

Table 598. iDRAC Memory Unresponsive Trap

TrapID	Description	Category	SubCategory	Severity
iDRAC Memory Unresponsive				
2433	Unable to communicate with internal iDRAC memory.	System Health	iDRAC Memory Unresponsive	Critical

Table 599. 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

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 600. Battery Traps

TrapID	Description	Category	SubCategory	Severity
Battery Information				
4275	Battery information.	Storage	Battery Event	Informational
Battery Warning				
4274	Battery warning.	Storage	Battery Event	Minor
Battery Failure				
4273	Battery failure.	Storage	Battery Event	Critical

Table 601. Controller Traps

TrapID	Description	Category	SubCategory	Severity
Storage Controller Information				
4331	Controller information.	Storage	Storage Contr	Informational
Storage Controller Warning				
4330	Controller warning.	Storage	Storage Contr	Minor
Storage Controller Failure				
4329	Controller failure.	Storage	Storage Contr	Critical

Table 602. Enclosure Traps

TrapID	Description	Category	SubCategory	Severity
Storage Enclosure Information				
4339	Enclosure information.	Storage	Storage Enclosr	Informational
Storage Enclosure Warning				
4338	Enclosure warning.	Storage	Storage Enclosr	Minor
Storage Enclosure Failure				
4337	Enclosure failure.	Storage	Storage Enclosr	Critical

Table 603. Fan Traps

TrapID	Description	Category	SubCategory	Severity
Storage Fan Information				
4203	Fan information.	Storage	Fan Event	Informational
Storage Fan Warning				
4202	Fan warning.	Storage	Fan Event	Minor
Storage Fan Failure				
4201	Fan failure.	Storage	Fan Event	Critical

Table 604. Physical Disk Traps

TrapID	Description	Category	SubCategory	Severity
Storage Physical Disk Information				
4347	Physical disk information.	Storage	Physical Disk	Informational
Storage Physical Disk Warning				
4346	Physical disk warning.	Storage	Physical Disk	Minor
Storage Physical Disk Failure				
4345	Physical disk failure.	Storage	Physical Disk	Critical

Table 605. Power Supply Traps

TrapID	Description	Category	SubCategory	Severity
Storage Power Supply Information				
4235	Power supply information.	Storage	Power Supply	Informational
Storage Power Supply Warning				
4234	Power supply warning.	Storage	Power Supply	Minor
Storage Power Supply Failure				
4233	Power supply failure.	Storage	Power Supply	Critical

Table 606. Security Event Traps

TrapID	Description	Category	SubCategory	Severity
Security Information				
4435	Storage Security information.	Storage	Security Event	Informational
Security Warning				

Table 606. Security Event Traps(continued)

TrapID	Description	Category	SubCategory	Severity
4434	Storage Security warning.	Storage	Security Event	Minor
Security Failure				
4433	Storage Security failure or critical event.	Storage	Security Event	Critical

Table 607. Storage Management Status Traps

TrapID	Description	Category	SubCategory	Severity
Storage Management Information				
4179	Storage Management information. There is no global status change associated with this trap.	Storage	Storage	Informational
Storage Management Warning				
4178	Storage Management has detected a device independent warning condition. There is no global status change associated with this trap.	Storage	Storage	Minor
Storage Management Failure				
4177	Storage Management has detected a device independent error condition. There is no global status change associated with this trap.	Storage	Storage	Critical

Table 608. Temperature Probe Traps

TrapID	Description	Category	SubCategory	Severity
Storage Temperature Probe Information				
4211	Temperature probe information.	Storage	Temperature	Informational
Storage Temperature Probe Warning				
4210	Temperature probe warning.	Storage	Temperature	Minor
Storage Temperature Probe Failure				
4209	Temperature probe failure.	Storage	Temperature	Critical

Table 609. Virtual Disk Trap

TrapID	Description	Category	SubCategory	Severity
Storage VirtualDisk Information				
4355	Virtual disk information.	Storage	Virtual Disk	Informational
Storage Virtual Disk Warning				
4354	Virtual disk warning.	Storage	Virtual Disk	Minor
Storage Virtual Disk Failure				
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 610. Update Traps

TrapID	Description	Category	SubCategory	Severity
Updates Job Information				
6211	Update job information.	Updates	Updates	Informational

Table 611. Software Change Traps

TrapID	Description	Category	SubCategory	Severity
Software Change Update Warning				
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 612. CMC Traps

TrapID	Description	Category	SubCategory	Severity
CMC Audit Information				
8691	Chassis Management Controller audit information.	Audit	CMC	Informational
CMC Audit Warning				
8690	Chassis Management Controller audit warning.	Audit	CMC	Minor
CMC Audit Failure				
8689	Chassis Management Controller audit failure or critical event.	Audit	CMC	Critical

Table 613. Debug Traps

TrapID	Description	Category	SubCategory	Severity
Debug Information				
8595	Debug authorized.	Audit	Debug	Informational
DebugWarning				
8594	Debug authorization failed.	Audit	Debug	Minor

Table 614. User Tracking Traps

TrapID	Description	Category	SubCategory	Severity
User Tracking Warning				
8490	User tracking warning.	Audit	User Tracking	Minor

Table 615. iDRAC IP Address Change Trap

TrapID	Description	Category	SubCategory	Severity
iDRAC IP Address Change				
8499	iDRAC IP address has changed.	Audit	DRAC IP Address	Informational

Table 616. License Traps

TrapID	Description	Category	SubCategory	Severity
License Information				
8515	License information.	Audit	Licensing	Informational
License Warning				
8514	License warning.	Audit	Licensing	Minor
License Failure				
8513	License failure.	Audit	Licensing	Critical

Table 617. PCI DeviceTraps

TrapID	Description	Category	SubCategory	Severity
PCI Device Audit Warning				
8562	PCI device audit warning.	Audit	PCI Device	Minor

Table 618. Power SupplyTraps

TrapID	Description	Category	SubCategory	Severity
Power Supply Audit Warning				
8330	Power supply audit warning.	Audit	Power Supply	Minor
Power Supply Audit Failure				
8329	Power supply audit failure or critical event.	Audit	Power Supply	Critical

Table 619. Power Usage Traps

TrapID	Description	Category	SubCategory	Severity
Power Usage Audit Information				
8419	Power usage audit information.	Audit	Power Usage	Informational
Power Usage Audit Warning				
8418	Power usage audit warning.	Audit	Power Usage	Minor
Power Usage Audit Failure				
8417	Power usage audit failure or critical event.	Audit	Power Usage	Critical

Table 620. System Power State Change Trap

TrapID	Description	Category	SubCategory	Severity
System Power State Change Information				
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 621. Auto Discovery Traps

TrapID	Description	Category	SubCategory	Severity
Auto Discovery Information				
10635	Auto discovery information.	Configuration	Auto Discovery	Informational

Table 622. NIC Configuration Traps

TrapID	Description	Category	SubCategory	Severity
Network Configuration Information				
10771	Network configuration information.	Configuration	IOID	Informational
Network Configuration Warning				
10770	Network configuration warning.	Configuration	IOID	Minor

Table 623. IP Address Traps

TrapID	Description	Category	SubCategory	Severity
IP Address Configuration Information				
10547	IP Address configuration information.	Configuration	IP Address	Informational

Table 624. Job Control Traps

TrapID	Description	Category	SubCategory	Severity
Job Control Configuration Information				
10267	Job control configuration information.	Configuration	Job Control	Informational

Table 625. PCI Device Traps

TrapID	Description	Category	SubCategory	Severity
PCI Device Configuration Information				
10611	PCI device configuration information.	Configuration	PCI Device	Informational

Table 626. Security Event Traps

TrapID	Description	Category	SubCategory	Severity
Security Event Configuration Warning				
10578	Security configuration warning.	Configuration	Security Event	Minor

Table 627. Software Configuration Traps

TrapID	Description	Category	SubCategory	Severity
SWC Configuration Warning				
10530	Software configuration warning.	Configuration	Software Config	Minor
SWC Configuration Failure				
10529	Software configuration failure.	Configuration	Software Config	Critical

Table 628. Test Trap

TrapID	Description	Category	SubCategory	Severity
Test Trap Event				
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 629. Update Traps

TrapID	Description	Category	SubCategory	Severity
iDRAC Memory Unresponsive				
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 630. 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