

# SNMP Reference Guide for iDRAC and Chassis Management Controller

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Introduction

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

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

Topics:

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## What is new in this release

This release of Dell iDRAC 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-SMlv1.mib  | iDRAC7 and later                         | Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMLv1 version of the iDRAC MIB.  |
| iDRAC-SMlv2.mib  | iDRAC7 and later                         | Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMLv2 version of the iDRAC MIB.  |
| dcs3rmt.mib      | Dell Remote Access controller 5 (DRAC 5) | Provides information about remote access components monitored by the Server Administrator Remote Access Service.   |
| rac_host.mib     | Remote access out-of-band agent          | Provides information about the components monitored by the remote access out-of-band software agent.   |
| DELL-RAC-MIB.txt | Chassis Management Controller (CMC)      | Provides information about components monitored by the Chassis Management Controller for modular chassis. This MIB is the legacy iDRAC MIB. Changes made in this MIB are not for iDRAC. iDRAC does not support all the objects and traps defined in this MIB. The new and more extensive iDRAC MIB is available for iDRAC7 and later versions. |
| DcAsfSrv.mib     | Baseboard Management Controller (BMC)    | Provides information about server Platform Event Traps generated by the Baseboard Management Controller.   |

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 destinations, modem configuration for dial-up networking, dial-in configuration, and dial-out destinations | 1700              |

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

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

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

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

## Basic Terminology

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

## Frequently Used Terms in Variable Names

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

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

**Settings** are the conditions of a manageable object that determine what happens when a certain value is detected in a component. For example, a user can set the upper critical threshold of a temperature probe to 75 degrees Celsius. If the probe reaches that temperature,

the setting causes an alert to be sent to the management console. Some settings, when reached, can trigger a system shutdown or other response to prevent damage to the system.

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

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

## Tables

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

## SNMP Tables

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

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

These objects comprise the Server Administrator definitions for the UUID.

**Table 5. UUID Table**

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

**Table 6. UUID Table Entry**

|                    |                                  |
|--------------------|----------------------------------|
| <b>Name</b>        | uUIDTableEntry                   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.1.300.20.1 |
| <b>Description</b> | Defines the UUID table entry.    |
| <b>Syntax</b>      | UUIDTableEntry                   |
| <b>Access</b>      | Not accessible                   |
| <b>Index</b>       | uUIDIndex                        |
|                    | ,                                |
|                    | uUIDchassisIndex                 |

**Table 7. UUID Chassis Index**

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

**Table 8. UUID Index**

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

**Table 9. UUID Type**

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

**Table 10. UUID Value**

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

## Other Documents You May Need

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

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

# System Battery Table

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

**Table 11. System Battery Table Entry**

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

**Table 12. System Battery Index**

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

**Table 13. System Battery State Capabilities**

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

**Table 14. System Battery State Settings**

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

**Table 15. System Battery Status**

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

**Table 16. System Battery Reading**

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

**Table 17. System Battery Location Name**

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

## Amperage Probe Table

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

**Table 18. Amperage Probe Chassis Index**

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

**Table 19. Amperage Probe Index**

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

**Table 20. Amperage Probe State Capabilities**

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

**Table 21. Amperage Probe State Settings**

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

**Table 22. Amperage Probe Status**

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

**Table 23. Amperage Probe Reading**

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

**Table 24. Amperage Probe Type**

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

**Table 25. Amperage Probe Location Name**

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

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

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

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

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

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

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

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

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

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

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

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

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

**Table 32. Amperage Probe Probe Capabilities**

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

**Table 33. Amperage Probe Discrete Reading**

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

## Power Unit Group

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

**Table 34. Power Unit Chassis Index**

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

**Table 35. Power Unit Index**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUnitIndex</code>                                     |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.2                            |
| <b>Description</b> | This attribute defines the index (one based) of the power unit. |

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

**Table 36. Power Unit State Capabilities**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerUnitStateCapabilities                                       |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.3                             |
| <b>Description</b> | This attribute defines the state capabilities of the power unit. |
| <b>Syntax</b>      | StateCapabilitiesFlags   |
| <b>Access</b>      | Read-only  |

**Table 37. Power Unit State Settings**

|                     |  |
|---------------------|--|
| <b>Name</b>         | powerUnitStateSettings                                       |
| <b>Object ID</b>    | 1.3.6.1.4.1.674.10892.5.4.600.10.1.4                         |
| <b>Description.</b> | This attribute defines the state settings of the power unit. |
| <b>Syntax</b>       | StateSettingsFlags   |
| <b>Access</b>       | Read-only  |

**Table 38. Power Unit Redundancy Status**

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerUnitRedundancyStatus                                       |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.5                            |
| <b>Description</b> | This attribute defines the redundancy status of the power unit. |
| <b>Syntax</b>      | StatusRedundancyEnum  |
| <b>Access</b>      | Read-only   |

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

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerSupplyCountForRedundancy   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.6  |
| <b>Description</b> | This attribute defines the total number of power supplies required for this power unit to have full redundancy. |
| <b>Syntax</b>      | ObjectRange   |
| <b>Access</b>      | Read-only   |

**Table 40. Power Unit Name**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerUnitName                                      |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.7               |
| <b>Description</b> | This attribute defines the name of the power unit. |
| <b>Syntax</b>      | String64   |
| <b>Access</b>      | Read-only  |

**Table 41. Power Unit Status**

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

## Power Supply Table

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

**Table 42. Power Supply Chassis Index**

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

**Table 43. Power Supply Index**

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

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

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

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

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

**Table 46. Power Supply Status**

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

**Table 47. Power Supply Output Watts**

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

**Table 48. Power Supply Type**

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

**Table 49. Power Supply Location Name**

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

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

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

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

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplypowerUnitIndexReference   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .1.10   |
| <b>Description</b> | This attribute defines the index to the associated power unit if the power supply is part of a power unit. |
| <b>Syntax</b>      | ObjectRange  |
| <b>Access</b>      | Read-only  |

**Table 52. Power Supply Sensor State**

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

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

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

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

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

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

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

**Table 56. Power Supply FQDD**

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerSupplyFQDD   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .115                         |
| <b>Description</b> | Fully qualified device descriptor (FQDD) of the power supply. |
| <b>Syntax</b>      | FQDDString  |
| <b>Access</b>      | Read-only   |

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

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplyCurrentInputVoltage   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .116  |
| <b>Description</b> | This attribute defines the current input voltage to the power supply (in Volts). |
| <b>Syntax</b>      | PowerSupplyConfigurationErrorTypeEnum  |
| <b>Access</b>      | Read-only  |

## Power Usage Table

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

**Table 58. Power Usage Chassis Index**

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

**Table 59. Power Usage Index**

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

**Table 60. Power Usage State Capabilities**

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

**Table 61. Power Usage State Settings**

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

**Table 62. Power Usage Status**

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

**Table 63. Power Usage Entity Name**

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

**Table 64. Power Usage Cumulative Wattage**

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

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

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

**Table 66. Power Usage Peak Watts**

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

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

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

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

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

**Table 69. Power Usage Peak Amps**

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

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

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

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

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsagePeakAmpsReadingDateName</code>  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.114  |
| <b>Description</b> | This attribute defines the date and time at which the value reported by the <code>powerUsagePeakAmps</code> attribute was measured. |
| <b>Syntax</b>      | <code>DateName</code>   |
| <b>Access</b>      | Read-only   |

**Table 72. Power Usage Idle Power**

|                    |  |
|--------------------|--|
| <b>Name</b>        | <code>powerUsageIdlePower</code>   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.115   |
| <b>Description</b> | This attribute defines the system idle power (in Watts). This is the minimum power the system can consume based on the current hardware configuration. |
| <b>Syntax</b>      | <code>Unsigned32BitRange</code>  |
| <b>Access</b>      | Read-only  |

**Table 73. Power Usage Max Potential Power**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsageMaxPotentialPower</code>  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.116  |
| <b>Description</b> | 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. |
| <b>Syntax</b>      | <code>Unsigned32BitRange</code>   |
| <b>Access</b>      | Read-only   |

**Table 74. Power Usage Power Cap Capabilities**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsagePowerCapCapabilities</code>               |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.117                      |
| <b>Description</b> | This attribute defines the system power cap capabilities. |
| <b>Syntax</b>      | <code>PowerCapCapabilitiesFlags</code>                    |
| <b>Access</b>      | Read-only   |

**Table 75. Power Usage Power Cap Setting**

|                    |  |
|--------------------|--|
| <b>Name</b>        | <code>powerUsagePowerCapSetting</code>               |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.118                 |
| <b>Description</b> | This attribute defines the system power cap setting. |
| <b>Syntax</b>      | <code>PowerCapSettingEnum</code>                     |
| <b>Access</b>      | Read-only  |

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

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

**Table 77. Power Usage Instantaneous Headroom**

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

**Table 78. Power Usage Peak Headroom**

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

## 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**

|                    |   |
|--------------------|---|
| <b>Name</b>        | voltageProbeChassisIndex  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.20.1.1                                |
| <b>Description</b> | This attribute defines the index (one based) of the system chassis. |
| <b>Syntax</b>      | ObjectRange   |
| <b>Access</b>      | Read-only   |

**Table 80. Voltage Probe Index**

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

**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  
**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 voltageProbeTypelsDiscrete. When the value for voltageProbeType is other than voltageProbeTypelsDiscrete, the value returned for this attribute is the voltage that the probe is reading in millivolts. When the value for voltageProbeType is voltageProbeTypelsDiscrete, a value is not returned for this attribute.  
**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  
**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 voltageProbeTypelsDiscrete. When the value for voltageProbeType is other than voltageProbeTypelsDiscrete, a value is not returned for this attribute. When the value for voltageProbeType is voltageProbeTypelsDiscrete, the value returned for this attribute is the discrete reading for the probe.  
**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**

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

**Table 96. System Service Tag**

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

**Table 97. System Express Service Code**

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

**Table 98. System Asset Tag**

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

**Table 99. System Blade Slot Number**

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

**Table 100. System Operating System Name**

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

**Table 101. System Form Factor**

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

**Table 102. System Data Center Name**

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

**Table 103. System Aisle Name**

|                    |   |
|--------------------|---|
| <b>Name</b>        | systemAisleName   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.1.3.9.0                         |
| <b>Description</b> | This attribute defines the Aisle locator of the system. |
| <b>Syntax</b>      | StringType  |
| <b>Access</b>      | Read-only   |

**Table 104. System Rack Name**

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

**Table 105. System Rack Slot**

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

**Table 106. System Model Name**

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

**Table 107. System System ID**

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

**Table 108. System OS Version**

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

**Table 109. System Room Name**

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

**Table 110. System Chassis System Height**

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

**Table 111. System Blade Geometry**

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

**Table 112. System Node ID**

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

**Table 113. System OEM OS Version**

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

**Table 114. System Lockdown Mode**

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

# Chassis Management Controller Group

## Table 115. Chassis Management Controller Group

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

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

Topics:

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

## Product Information

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

### Table 116. DRsProductName

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

### Table 117. DRsProductShortName

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

**Table 118. DRsProductDescription**

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

**Table 119. DRsProductManufacturer**

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

**Table 120. DRsProductVersion**

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

**Table 121. DRsChassisServiceTag**

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

**Table 122. DRsProductURL**

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

**Table 123. DRsProductChassisAssetTag**

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

**Table 124. DRsProductChassisLocation**

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

**Table 125. DRsProductChassisName**

|                    |                                  |
|--------------------|----------------------------------|
| <b>Name</b>        | drsProductChassisName            |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.1.1.10   |
| <b>Description</b> | Defines the name of the chassis. |
| <b>Syntax</b>      | DellString                       |
| <b>Access</b>      | Read-only                        |

**Table 126. DRsSystemServiceTag**

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

**Table 127. DRsProductSystemAssetTag**

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

**Table 128. DRsProductSystemSlot**

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

**Table 129. DRsProductType**

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

**Table 130. DRsProductChassisDataCenter**

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

**Table 131. DRsProductChassisAisle**

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

**Table 132. DRsProductChassisRack**

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

**Table 133. DRsProductChassisRackSlot**

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

**Table 134. DRsProductChassisModel**

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

**Table 135. DRsProductChassisExpressServiceCode**

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

**Table 136. DRsProductChassisSystemID**

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

**Table 137. DRsProductChassisSize**

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

**Table 138. DRsFirmwareVersion**

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

**Table 139. DRsiKVMFirmwareVersion**

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

**Table 140. DRsFirmwareVersion2**

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

## Chassis Status

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

**Table 141. DRsGlobalSystemStatus**

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

**Table 142. DRsGlobalCurrStatus**

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

**Table 143. DRsIOMCurrStatus**

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

**Table 144. DRsKVMCurrStatus**

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

**Table 145. DRsRedCurrStatus**

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

**Table 146. DRsPowerCurrStatus**

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

**Table 147. DRsFanCurrStatus**

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

**Table 148. DRsBladeCurrStatus**

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

**Table 149. DRsTempCurrStatus**

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

**Table 150. DRsCMCCurrStatus**

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

**Table 151. DRsChassisFrontPanelAmbientTemperature**

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

**Table 152. DRsCMCAmbientTemperature**

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

**Table 153. DRsCMCProcessorTemperature**

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

**Table 154. DRsGlobalPrevStatus**

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

**Table 155. DRsIOMPrevStatus**

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

**Table 156. DRsKVMPrevStatus**

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

**Table 157. DRsRedPrevStatus**

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

**Table 158. DRsPowerPrevStatus**

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

**Table 159. DRsFanPrevStatus**

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

**Table 160. DRsBladePrevStatus**

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

**Table 161. DRsTempPrevStatus**

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

**Table 162. DRsCMCPrevStatus**

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

**Table 163. DRsGlobalChangeTime**

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

**Table 164. DRsIOMChangeTime**

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

**Table 165. DRsKVMChangeTime**

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

**Table 166. DRsRedChangeTime**

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

**Table 167. DRsPowerChangeTime**

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

**Table 168. DRsFanChangeTime**

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

**Table 169. DRsBladeChangeTime**

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

**Table 170. DRsTempChangeTime**

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

**Table 171. DRsCMCChangeTime**

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

## Chassis Power

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

**Table 172. DRsCMC Power Table**

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

**Table 173. DRsCMC Power Table Entry**

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

**Table 174. DRsCMC PSU Table**

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

**Table 175. DRsCMC PSU Table Entry**

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

## CMC Power Information

The following MIB tables provide information on the chassis power.

**Table 176. DRsChassisIndex**

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

**Table 177. DRsPotentialPower**

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

**Table 178. DRsIdlePower**

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

**Table 179. DRsMaxPowerSpecification**

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

**Table 180. DRsPowerSurplus**

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

**Table 181. DRsKWhCumulative**

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

**Table 182. DRsKWhCumulativeTime**

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

**Table 183. DRsWattsPeakUsage**

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

**Table 184. DRsWattsPeakTime**

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

**Table 185. DRsWattsMinUsage**

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

**Table 186. DRsWattsMinTime**

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

**Table 187. DRsWattsResetTime**

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

**Table 188. DRsWattsReading**

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

**Table 189. DRsAmpsReading**

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

## CMC PSU Information

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

**Table 190. DRsPSUChassisIndex**

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

**Table 191. DRsPSUIndex**

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

**Table 192. DRsPSULocation**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>Name</b>        | drsPSULocation                       |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.4.2.1.3      |
| <b>Description</b> | Defines the location of the CMC PSU. |
| <b>Syntax</b>      | DellString                           |
| <b>Access</b>      | Read-only                            |

**Table 193. DRsPSUMonitoringCapable**

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

**Table 194. DRsPSUVoltsReading**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsPSUVoltsReading                             |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.4.2.1.5                |
| <b>Description</b> | Defines the instantaneous PSU voltage reading. |
| <b>Syntax</b>      | DellPowerReading                               |
| <b>Access</b>      | Read-only                                      |

**Table 195. DRsPSUAmpsReading**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsPSUAmpsReading                              |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.4.2.1.6                |
| <b>Description</b> | Defines the instantaneous PSU current reading. |
| <b>Syntax</b>      | DellPowerReading                               |
| <b>Access</b>      | Read-only                                      |

**Table 196. DRsPSUWattsReading**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsPSUWattsReading                             |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.4.2.1.7                |
| <b>Description</b> | Defines the instantaneous PSU wattage reading. |
| <b>Syntax</b>      | DellPowerReading                               |
| <b>Access</b>      | Read-only                                      |

## Chassis Servers

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

**Table 197. DRsCMCServerTable**

|                    |                                    |
|--------------------|------------------------------------|
| <b>Name</b>        | drsCMCServerTable                  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.1        |
| <b>Description</b> | Defines the CMC server table.      |
| <b>Syntax</b>      | SEQUENCE OF DrsCMCServerTableEntry |
| <b>Access</b>      | Not-Accessible                     |

**Table 198. DRsCMCServerTableEntry**

|                    |                                     |
|--------------------|-------------------------------------|
| <b>Name</b>        | drsCMCServerTableEntry              |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.1.1       |
| <b>Description</b> | Defines the CMC server table entry. |
| <b>Syntax</b>      | DrsCMCServerTableEntry              |
| <b>Access</b>      | Not-Accessible                      |

## CMC Server Information

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

**Table 199. DRsServerIndex**

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

**Table 200. DRsServerMonitoringCapable**

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

**Table 201. DRsServerServiceTag**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsServerServiceTag                        |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.1.1.3            |
| <b>Description</b> | Defines the Service Tag of the CMC server. |
| <b>Syntax</b>      | DellString                                 |
| <b>Access</b>      | Read-only                                  |

**Table 202. DRsServerSlotName**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsServerSlotName                        |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.1.1.4          |
| <b>Description</b> | Defines the slot name of the CMC server. |
| <b>Syntax</b>      | DellString                               |

**Access** Read-only

#### Table 203. DRsServerSlotNumber

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

#### Table 204. DRsServerNodeID

**Name** drsServerNodeID  
**Object ID** 1.3.6.1.4.1.674.10892.2.5.11.6  
**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** 1.3.6.1.4.1.674.10892.2.5.11.7  
**Description** This attribute defines the Model of the CMC server.  
**Syntax** DellString  
**Access** Read-only

#### Table 206. DRsServerAssetTag

**Name** drsServerAssetTag  
**Object ID** 1.3.6.1.4.1.674.10892.2.5.11.8  
**Description** This attribute defines the Asset Tag of the CMC server.  
**Syntax** DellString  
**Access** Read-only

#### Table 207. DRsServerNumStorageControllers

**Name** drsServerNumStorageControllers  
**Object ID** 1.3.6.1.4.1.674.10892.2.5.11.9  
**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

|               |           |
|---------------|-----------|
| <b>Access</b> | Read-only |
|---------------|-----------|

**Table 208. DRsServerStorageMode**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsServerStorageMode   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.11.10                              |
| <b>Description</b> | This attribute defines the Storage Mode of the storage sled. |
| <b>Syntax</b>      | DellCMCServerStorageMode                                     |
| <b>Access</b>      | Read-only  |

**Table 209. DRsServerIntrusionState**

|                    |  |
|--------------------|--|
| <b>Name</b>        | drsServerIntrusionState  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.11.11  |
| <b>Description</b> | This attribute defines the Intrusion State of the CMC server if supported by the server. |
| <b>Syntax</b>      | DellCMCServerIntrusionState  |
| <b>Access</b>      | Read-only  |

**Table 210. DRsServerAssignedServerSlots**

|                    |   |
|--------------------|---|
| <b>Name</b>        | drsServerAssignedServerSlots  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.2.5.11.12   |
| <b>Description</b> | This attribute defines the server slots to which a storage sled is assigned. If this is a storage sled that is assigned to one more or more server slots, the value will be a comma-separated list of one or more server slot names. If the storage sled is not assigned to a server slot, the value will be an empty string. If this is not a storage sled, the value will be N/A. |
| <b>Syntax</b>      | DellString  |
| <b>Access</b>      | Read-only   |

## Chassis Alert

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

**Table 211. DRsCASubSystem**

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

**Table 212. DrsCASSCurrStatus**

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

**Table 213. DrsCASSPrevStatus**

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

**Table 214. DrsCASSChangeTime**

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

**Table 215. DrsCAMessage**

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

## Chassis Alert 2

**Table 216. DRsCA2MessageID**

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

**Table 217. DrsCA2Message**

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

**Table 218. DrsCA2MessageArgs**

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

**Table 219. DrsCA2AlertStatus**

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

**Table 220. DrsCA2FQDD**

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

## Legacy Alerting

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

**Table 221. DRsAlertSystem**

|                  |                                   |
|------------------|-----------------------------------|
| <b>Name</b>      | drsAlertSystem                    |
| <b>Object ID</b> | 1.3.6.1.4.1.674.10892.2.5000.10.1 |

|                    |  |
|--------------------|--|
| <b>Description</b> | Name of the system generating the alert. |
| <b>Syntax</b>      | Octet String                             |
| <b>Access</b>      | Read-only                                |

**Table 222. DRsAlertTableIndexOID**

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

**Table 223. DRsAlertMessage**

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

**Table 224. DRsAlertCurrentStatus**

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

**Table 225. DRsAlertPreviousStatus**

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

**Table 226. DRsAlertData**

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

# SNMP Traps

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

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

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

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

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

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

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

Topics:

- [Understanding Trap Severity](#)
- [RAC Traps](#)
- [BMC Traps](#)
- [PowerEdge M1000e CMC Traps](#)
- [PowerEdge VRTX CMC Traps and PowerEdge FX2 CMC Traps](#)

## 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 1.3.6.1.4.1.1674.10892.2 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                       |

| TrapID | Name                        | Description  | Severity    | Category | Cause  | Supported by RAC Platform |
|--------|-----------------------------|--|-------------|----------|--|---------------------------|
| 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 |

| <b>TrapID</b> | <b>Description</b>  | <b>Severity</b> |
|---------------|---|-----------------|
| 131330        | Under-Voltage Problem (Lower Critical - going low)            | Critical        |
| 131458        | Under-Voltage Problem Cleared                                 | Information     |
| 131335        | Over-Voltage Warning (Upper Non Critical - going high)        | Warning         |
| 131463        | Over-Voltage Warning Cleared                                  | Information     |
| 131337        | Over-Voltage Problem (Upper Critical - going high)            | Critical        |
| 131465        | Over-Voltage Problem Cleared                                  | Information     |
| 131841        | Generic Critical Voltage Problem                              | Critical        |
| 131840        | Generic Critical Voltage Problem Cleared                      | Information     |
| 356096        | Chassis Intrusion - Physical Security Violation               | Critical        |
| 356224        | Chassis Intrusion (Physical Security Violation) Event Cleared | Information     |
| 262400        | Generic Predictive Fan Failure (predictive failure asserted)  | Minor           |
| 262528        | Generic Predictive Fan Failure Cleared                        | Information     |
| 262402        | Generic Critical Fan Failure                                  | Critical        |
| 262530        | Generic Critical Fan Failure Cleared                          | Information     |
| 264962        | Fan redundancy has been degraded                              | Warning         |
| 264961        | Fan Redundancy Lost   | Critical        |
| 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        |

| TrapID  | Description  | Severity    |
|---------|--|-------------|
| 487298  | CPU BIST (Built In Self Test) Failure Cleared        | Information |
| 487176  | CPU Disabled (Processor Disabled)                    | Critical    |
| 487304  | CPU Enabled (Processor Enabled)                      | Information |
| 487178  | CPU Throttle (Processor Speed Reduced)               | Warning     |
| 487306  | CPU Throttle Cleared (Normal Processor Speed)        | Information |
| 527106  | Power Supply Redundancy Degraded                     | Warning     |
| 527105  | Power Supply Redundancy Lost                         | Critical    |
| 527104  | Power Supply Redundancy has returned to Normal       | Information |
| 552704  | Power Supply Inserted                                | Information |
| 552832  | Power Supply Removed                                 | Warning     |
| 552705  | Power Supply Failure                                 | Critical    |
| 552833  | Power Supply Failure Cleared                         | Information |
| 552706  | Power Supply Warning                                 | Warning     |
| 552834  | Power Supply Warning Cleared                         | Information |
| 552707  | Power Supply AC Lost                                 | Critical    |
| 552835  | Power Supply AC Restored                             | Information |
| 789249  | Memory Redundancy has been Lost                      | Critical    |
| 789248  | Memory redundancy has returned to Normal             | Information |
| 1076994 | System Event Log (SEL) Cleared                       | Information |
| 1076996 | System Event Log (SEL) Full (Logging Disabled)       | Critical    |
| 2322176 | ASR (Automatic System Recovery) Timer Expired        | Critical    |
| 2322177 | ASR (Automatic System Recovery) Reset Occurred       | Critical    |
| 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 1.3.6.1.4.1.1674.10892.2.21 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<br>2227  | Battery state has returned to normal; or battery presence had been detected. | Status Events | Battery     | Informational |
| alert2BatteryWarning<br>2226 | Battery is low.  | Status Events | Battery     | Minor         |
| alert2BatteryFailure<br>2225 | Battery has failed or battery is absent.                                     | Error Events  | Battery     | Critical      |

**Table 232. Cable Traps**

| TrapID                     | Description    | Category     | SubCategory | Severity |
|----------------------------|----------------|--------------|-------------|----------|
| alert2CableFailure<br>2393 | Cable failure. | Error Events | Cable       | Critical |

**Table 233. CMC Traps**

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

**Table 234. Fan Traps**

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

**Table 235. Hardware Configuration Traps**

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

**Table 236. IO Virtualization Traps**

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

**Table 237. Link Status Traps**

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

**Table 238. Power Supply Traps**

| TrapID   | Description                          | Category      | SubCategory  | Severity      |
|--|--------------------------------------|---------------|--------------|---------------|
| alert2PowerSupplyNormal<br>2187                  | Power supply has returned to normal. | Status Events | Power Supply | Informational |
| alert2PowerSupplyWarning<br>2186                 | Power supply has detected a warning. | Status Events | Power Supply | Minor         |
| alert2PowerSupplyFailure<br>2185                 | Power supply has detected a failure. | Error Events  | Power Supply | Critical      |
| alert2PowerSupplyRedundancyPolicyChanged<br>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     |                                     |               |                        |               |

| 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 |
| 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     |                                    |              |               |               |
| 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.<br>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                                   | Error Events | Storage Management | Minor         |

| TrapID                                 | Description   | Category     | Subcategory        | Severity |
|--|---|--------------|--------------------|----------|
|  | condition. There is no global status change associated with this trap.  |              |                    |          |
| alert2StorageManagementFailure<br>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<br>4211 | Storage temperature probe information. | Error Events | Temperature Probe | Informational |
| alert2StorageTemperatureProbeWarning<br>4210     | Storage temperature probe warning.     | Error Events | Temperature Probe | Minor         |
| alert2StorageTemperatureProbeFailure<br>4209     | Storage temperature probe failure.     | Error Events | Temperature Probe | Critical      |

**Table 255. Storage Virtual Disk Traps**

| TrapID                                      | Description                       | Category     | Subcategory  | Severity      |
|---|-----------------------------------|--------------|--------------|---------------|
| alert2StorageVirtualDiskInformation<br>4355 | Storage virtual disk information. | Error Events | Virtual Disk | Informational |
| alert2StorageVirtualDiskWarning<br>4354     | Storage virtual disk warning.     | Error Events | Virtual Disk | Minor         |
| alert2StorageVirtualDiskFailure<br>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<br>8691 | Chassis Management Controller audit information. | Status Events | CMC         | Informational |
| alert2CMCAuditWarning<br>8690     | Chassis Management Controller audit warning.     | Status Events | CMC         | Minor         |

| TrapID                | Description  | Category     | SubCategory | Severity |
|-----------------------|--|--------------|-------------|----------|
| 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         |
| 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     |                                |               |             |               |

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

**Table 266. Configuration Test Traps**

| <b>TrapID</b>              | <b>Description</b>  | <b>Category</b> | <b>SubCategory</b> | <b>Severity</b> |
|----------------------------|---|-----------------|--------------------|-----------------|
| alert2CMCTestTrap<br>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**

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

# iDRAC MIB

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

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

Topics:

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

## Supported Systems

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

### Blade Servers

The Blade servers for this release:

- PowerEdge M830
- PowerEdge FC430

### Rack and Tower Servers

The Rack and Tower servers for this release:

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

# iDRAC Supported SNMP Versions

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

**Table 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**

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

**Table 270. RAC Short Name**

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

**Table 271. RAC Description**

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

**Table 272. RAC Manufacturer**

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

**Table 273. RAC Version**

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

**Table 274. RAC URL**

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

**Table 275. RAC Type**

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

**Table 276. RAC Firmware Version**

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

## Chassis Information Group

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

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

**Table 277. Chassis Service Tag**

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

**Table 278. Chassis Name Modular**

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

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

**Table 279. Chassis Model Modular**

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

## System Information Group

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

**Table 280. System Fully Qualified Domain Name**

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

**Table 281. System Service Tag**

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

**Table 282. System Express Service Code**

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

**Table 283. System Asset Tag**

|                  |                                 |
|------------------|---------------------------------|
| <b>Name</b>      | systemAssetTag                  |
| <b>Object ID</b> | 1.3.6.1.4.1.674.10892.5.1.3.4.0 |

|                     |   |
|---------------------|---|
| <b>Description.</b> | This attribute defines the asset tag of the system. |
| <b>Syntax</b>       | StringType  |
| <b>Access</b>       | Read-only   |

**Table 284. System Blade Slot Number**

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

**Table 285. System Operating System Name**

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

**Table 286. System Form Factor**

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

**Table 287. System Data Center Name**

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

**Table 288. System Aisle Name**

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

**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**

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

**Table 295. System Chassis System Height**

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

**Table 296. System Blade Geometry**

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

**Table 297. System Node ID**

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

**Table 298. System OEM OS Version**

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

**Table 299. System Lockdown Mode**

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

## Status Group

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

**Table 300. Global System Status**

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

**Table 301. System LCD Status**

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

**Table 302. Global Storage Status**

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

**Table 303. System Power State**

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

**Access** Read-only

**Table 304. System Power Up Time**

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

## Systems Details Group

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

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

## Power Unit Group

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

**Table 305. Power Unit Chassis Index**

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

**Table 306. Power Unit Index**

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerUnitIndex  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.2                            |
| <b>Description</b> | This attribute defines the index (one based) of the power unit. |
| <b>Syntax</b>      | ObjectRange   |
| <b>Access</b>      | Read-only   |

**Table 307. Power Unit State Capabilities**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerUnitStateCapabilities                                       |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.10.1.3                             |
| <b>Description</b> | This attribute defines the state capabilities of the power unit. |
| <b>Syntax</b>      | StateCapabilitiesFlags   |
| <b>Access</b>      | Read-only  |

**Table 308. Power Unit State Settings**

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

**Table 309. Power Unit Redundancy Status**

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

**Table 310. Power Supply Count For Redundancy**

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

**Table 311. Power Unit Name**

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

**Table 312. Power Unit Status**

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

# Power Supply Table

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

## Table 313. Power Supply Chassis Index

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

## Table 314. Power Supply Index

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

## Table 315. Power Supply State Capabilities Unique

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

## Table 316. Power Supply State Settings Unique

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

## Table 317. Power Supply Status

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

**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  
**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**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplySensorState   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .11   |
| <b>Description</b> | This attribute defines the state reported by the power supply sensor. This attribute supplements the attribute powerSupplyStateSettingsUnique. |
| <b>Syntax</b>      | PowerSupplySensorStateFlags  |
| <b>Access</b>      | Read-only  |

**Table 324. Power Supply Configuration Error Type**

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerSupplyConfigurationErrorType   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .112   |
| <b>Description</b> | This attribute defines the type of configuration error reported by the power supply sensor. When the configurationError bit is on in the value for the attribute powerSupplySensorState, a value is returned for this attribute; otherwise, a value is not returned for this attribute. |
| <b>Syntax</b>      | PowerSupplyConfigurationErrorTypeEnum   |
| <b>Access</b>      | Read-only   |

**Table 325. Power Supply Power Monitor Capable**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplyPowerMonitorCapable   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .113  |
| <b>Description</b> | This attribute defines a boolean value that reports whether the power supply is capable of monitoring power consumption. |
| <b>Syntax</b>      | BooleanType  |
| <b>Access</b>      | Read-only  |

**Table 326. Power Supply Rated Input Wattage**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplyRatedInputWattage   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .114  |
| <b>Description</b> | This attribute defines the rated input wattage of the power supply (in tenths of Watts). |
| <b>Syntax</b>      | Signed32BitRange   |
| <b>Access</b>      | Read-only  |

**Table 327. Power Supply FQDD**

|                    |   |
|--------------------|---|
| <b>Name</b>        | powerSupplyFQDD   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12 .115                         |
| <b>Description</b> | Fully qualified device descriptor (FQDD) of the power supply. |
| <b>Syntax</b>      | FQDDString  |
| <b>Access</b>      | Read-only   |

**Table 328. Power Supply Current Input Voltage**

|                    |  |
|--------------------|--|
| <b>Name</b>        | powerSupplyCurrentInputVoltage   |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.12.1.16  |
| <b>Description</b> | This attribute defines the current input voltage to the power supply (in Volts). |
| <b>Syntax</b>      | PowerSupplyConfigurationErrorTypeEnum  |
| <b>Access</b>      | Read-only  |

## Voltage Probe Table

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

**Table 329. Voltage Probe Chassis Index**

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

**Table 330. Voltage Probe Index**

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

**Table 331. Voltage Probe State Capabilities**

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

**Table 332. Voltage Probe State Settings**

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

**Table 333. Voltage Probe Status**

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

**Table 334. Voltage Probe Reading**

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

**Table 335. Voltage Probe Type**

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

**Table 336. Voltage Probe Location Name**

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

**Table 337. Voltage Probe Upper Non Recoverable Threshold**

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

**Table 338. Voltage Probe Upper Critical Threshold**

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

**Table 339. Voltage Probe Upper NonCritical Threshold**

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

**Table 340. Voltage Probe Lower NonCritical Threshold**

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

**Table 341. Voltage Probe Lower Critical Threshold**

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

**Table 342. Voltage Probe Lower NonRecoverable Threshold**

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

**Table 343. Voltage Probe Probe Capabilities**

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

**Table 344. Voltage Probe Discrete Reading**

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

## 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**

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

**Table 346. Amperage Probe Index**

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

**Table 347. Amperage Probe State Capabilities**

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

**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 amperageProbeTypelsDiscrete. When the value for amperageProbeType is amperageProbeTypelsPowerSupplyAmps or amperageProbeTypelsSystemAmps, the value returned for this attribute is the power usage that the probe is reading in tenths of Amps. When the value for amperageProbeType is amperageProbeTypelsDiscrete, a value is not returned for this attribute.  
**Syntax** Signed32BitRange  
**Access** Read-only

**Table 351. 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 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

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

#### Table 359. Amperage Probe Probe Capabilities

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

#### Table 360. Amperage Probe Discrete Reading

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

## System Battery Table

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

#### Table 361. System Battery Table Entry

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

**Table 362. System Battery Index**

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

**Table 363. System Battery State Capabilities**

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

**Table 364. System Battery State Settings**

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

**Table 365. System Battery Status**

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

**Table 366. System Battery Reading**

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

**Table 367. System Battery Location Name**

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

## Power Usage Table

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

**Table 368. Power Usage Chassis Index**

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

**Table 369. Power Usage Index**

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

**Table 370. Power Usage State Capabilities**

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

**Table 371. Power Usage State Settings**

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

**Table 372. Power Usage Status**

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

**Table 373. Power Usage Entity Name**

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

**Table 374. Power Usage Cumulative Wattage**

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

**Table 375. Power Usage Cumulative Wattage Start Date Name**

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

**Table 376. Power Usage Peak Watts**

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

### Table 377. Power Usage Peak Watts Start Date Name

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

### Table 378. Power Usage Peak Watts Reading Date Name

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

### Table 379. Power Usage Peak Amps

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

### Table 380. Power Usage Peak Amps Start Date Name

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

### Table 381. Power Usage Peak Amps Reading Date Name

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

**Table 382. Power Usage Idle Power**

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

**Table 383. Power Usage Max Potential Power**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsageMaxPotentialPower</code>  |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.1.16   |
| <b>Description</b> | 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. |
| <b>Syntax</b>      | Unsigned32BitRange  |
| <b>Access</b>      | Read-only   |

**Table 384. Power Usage Power Cap Capabilities**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsagePowerCapCapabilities</code>               |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.1.17                     |
| <b>Description</b> | This attribute defines the system power cap capabilities. |
| <b>Syntax</b>      | PowerCapCapabilitiesFlags                                 |
| <b>Access</b>      | Read-only   |

**Table 385. Power Usage Power Cap Setting**

|                    |  |
|--------------------|--|
| <b>Name</b>        | <code>powerUsagePowerCapSetting</code>               |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.1.18                |
| <b>Description</b> | This attribute defines the system power cap setting. |
| <b>Syntax</b>      | PowerCapSettingEnum                                  |
| <b>Access</b>      | Read-only  |

**Table 386. Power Usage Power Cap Value**

|                    |   |
|--------------------|---|
| <b>Name</b>        | <code>powerUsagePowerCapValue</code>                          |
| <b>Object ID</b>   | 1.3.6.1.4.1.674.10892.5.4.600.60.1.19                         |
| <b>Description</b> | This attribute defines the system power cap value (in Watts). |
| <b>Syntax</b>      | Unsigned32BitRange  |
| <b>Access</b>      | Read-only   |

**Table 387. Power Usage Instantaneous Headroom**

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

**Table 388. Power Usage Peak Headroom**

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

## Storage Details Group

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

## Battery Table

The objects provide information about the Battery storage group.

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

**Table 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  
 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.8    |
| Description | The controller's current firmware version. |
| Syntax      | DisplayString                              |
| Access      | read-only                                  |

**Table 399. Controller Cache Size In MB**

|             |   |
|-------------|---|
| Name        | controllerCacheSizeInMB                                       |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.9                       |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.37  |
| Description | Severity of the controller state. This is the combined status of the controller and its components. Possible values:<br><br><ol style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> <li>5 Critical</li> <li>6 Non-recoverable</li> </ol> |
| Syntax      | ObjectStatusEnum  |
| Access      | read-only   |

**Table 401. Controller Component Status**

|             |  |
|-------------|--|
| Name        | controllerComponentStatus  |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.38   |
| Description | The status of the controller itself without the propagation of any contained component status. Possible values:<br><br><ol style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> <li>5 Critical</li> <li>6 Non-recoverable</li> </ol> |

|        |                  |
|--------|------------------|
| Syntax | ObjectStatusEnum |
| Access | read-only        |

**Table 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 |

|             |   |
|-------------|---|
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following or could not be determined</li> <li>2 Not Supported on this controller</li> <li>3 Disabled</li> <li>4 Automatic</li> <li>5 Manual</li> </ul> |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following or could not be determined</li> <li>2 Patrol read is not running</li> <li>3 Patrol read is running</li> </ul> |
| 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        | <code>controllerSpinDownUnconfiguredDrives</code>   |
| 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        | <code>controllerSpinDownHotSpareDrives</code>   |
| 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        | <code>controllerSpinDownTimeInterval</code>   |
| 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        | <code>controllerPreservedCache</code>   |
| 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        | <code>controllerCheckConsistencyMode</code>  |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following.</li> <li>2 Not supported on this controller.</li> </ul> |

- 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`  
 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:<br><ol style="list-style-type: none"> <li>1 Not one of the following.</li> <li>2 No encryption supported.</li> <li>3 Local Key Management.</li> </ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

#### Table 420. Controller Load Balance Setting

|             |  |
|-------------|--|
| Name        | controllerLoadBalanceSetting   |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.75   |
| 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:<br><ol style="list-style-type: none"> <li>1 Not one of the following.</li> <li>2 Not supported.</li> <li>3 Automatic load balancing is active.</li> <li>4 Load balancing is inactive.</li> </ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

#### Table 421. Controller Max Cap Speed

|             |   |
|-------------|---|
| Name        | controllerMaxCapSpeed   |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.76  |
| Description | The maximum speed of the controller.in Gigbits per second (Gbps). Possible values:<br><ol style="list-style-type: none"> <li>1 The speed could not be determined.</li> <li>2 1.5 Gbps</li> <li>3 3.0 Gbps</li> <li>4 6.0 Gbps</li> <li>5 12.0 Gbps</li> </ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

#### Table 422. Controller SAS Address

|             |  |
|-------------|--|
| Name        | controllerSASAddress                     |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.77 |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following.</li> <li>2 Capable of supporting T10 PI.</li> <li>3 Not capable of supporting T10 PI.</li> </ul> |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following.</li> </ul> |

- 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.  
 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        | <code>controllerPeerController</code>  |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.11.86   |
| 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        | <code>physicalDiskNumber</code>              |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1     |
| Description | Instance number of this physical disk entry. |
| Syntax      | INTEGER                                      |
| Access      | read-only                                    |

**Table 433. Physical Disk Name**

|             |  |
|-------------|--|
| Name        | <code>physicalDiskName</code>                                  |
| 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        | <code>physicalDiskManufacturer</code>         |
| 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: <ul style="list-style-type: none"> <li>1 The current state could not be determined.</li> <li>2 The physical disk is available for use, but no RAID configuration has been assigned.</li> <li>3 A RAID configuration has been assigned to the physical disk.</li> <li>4 The physical disk has been moved from another controller and contains all or some portion of a virtual disk.</li> <li>5 The physical disk is not available to the RAID controller.</li> <li>6 The physical disk is currently blocked by controller.</li> <li>7 The physical disk is not operational.</li> <li>8 The physical disk is not a RAID capable disk</li> <li>9 The physical disk has been removed.</li> <li>10 The physical disk media has been placed in read only mode.</li> </ul> |
| 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:<br><br><ol style="list-style-type: none"><li>1 The bus type could not be determined.</li><li>2 Small Computer System Interface (SCSI).</li><li>3 Serial Attached SCSI (SAS).</li><li>4 Serial Advanced Technology Attachment (SATA).</li><li>5 Fibre channel.</li><li>6 PCIe.</li></ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 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:<br><ol style="list-style-type: none"> <li>1 Physical disk is not a spare.</li> <li>2 Physical disk is a dedicated hot spare.</li> <li>3 Physical disk is a global hot spare.</li> </ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 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:<br><ol style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> <li>5 Critical</li> <li>6 Non-recoverable</li> </ol> |
| Syntax      | ObjectStatusEnum  |
| Access      | read-only   |

**Table 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 |
| 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:<br><br><ol style="list-style-type: none"> <li>1 The speed could not be determined.</li> <li>2 1.5 Gbps</li> <li>3 3.0 Gbps</li> <li>4 6.0 Gbps</li> <li>5 12.0 Gbps</li> <li>6 5 GT/s (applicable for NVMe devices).</li> <li>7 8 GT/s (applicable for NVMe devices).</li> </ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

**Table 448. Physical Disk Capable Speed**

|             |  |
|-------------|--|
| Name        | <code>physicalDiskCapableSpeed</code>  |
| 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:<br><br><ol style="list-style-type: none"> <li>1 The speed could not be determined.</li> <li>2 1.5 Gbps</li> <li>3 3.0 Gbps</li> <li>4 6.0 Gbps</li> <li>5 12.0 Gbps</li> <li>6 5 GT/s (applicable for NVMe devices).</li> <li>7 8 GT/s (applicable for NVMe devices).</li> </ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

**Table 449. Physical Disk Smart Alert Indication**

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

**Table 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: <ul style="list-style-type: none"> <li>1 The media type could not be determined.</li> <li>2 Hard Disk Drive (HDD).</li> <li>3 Solid State Device (SSD).</li> </ul> |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following.</li> </ul> |

- 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   |
| 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:<br><br><ol style="list-style-type: none"><li>1 The form factor could not be determined.</li><li>2 1.8 inch.</li><li>3 2.5 inch.</li><li>4 3.5 inch.</li></ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

#### Table 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:<br><br><ol style="list-style-type: none"><li>1 Not one of the following.</li><li>2 Capable of supporting T10 PI.</li><li>3 Not capable of supporting T10 PI.</li></ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 463. Physical Disk Block Size In Bytes**

|             |  |   |     |   |      |
|-------------|--|---|-----|---|------|
| Name        | <code>physicalDiskBlockSizeInBytes</code>  |   |     |   |      |
| 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:<br><table> <tr> <td>1</td> <td>512</td> </tr> <tr> <td>2</td> <td>4096</td> </tr> </table> | 1 | 512 | 2 | 4096 |
| 1           | 512  |   |     |   |      |
| 2           | 4096   |   |     |   |      |
| Syntax      | INTEGER  |   |     |   |      |
| Access      | read-only  |   |     |   |      |

**Table 464. Physical Disk Protocol Version**

|             |  |
|-------------|--|
| Name        | <code>physicalDiskProtocolVersion</code>   |
| 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        | <code>physicalDiskPCIENegotiatedLinkWidth</code>   |
| 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        | <code>physicalDiskPCIECapableLinkWidth</code>   |
| 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        | <code>physicalDiskCurrentActiveController</code>   |
| 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        | <code>physicalDiskFailoverController</code>  |
| 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        | <code>virtualDiskNumber</code>              |
| 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        | <code>virtualDiskName</code>                     |
| 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        | <code>virtualDiskState</code>   |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.4  |
| Description | The current state of this virtual disk (which includes any member physical disks.)Possible states: <ol style="list-style-type: none"><li>1 The current state could not be determined.</li><li>2 The virtual disk is operating normally or optimally.</li><li>3 The virtual disk has encountered a failure. The data on disk is lost or is about to be lost.</li></ol> |

- 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.<br>Possible values: <ol style="list-style-type: none"> <li>1 Write Through.</li> <li>2 Write Back.</li> <li>3 Force Write Back.</li> </ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 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: <ol style="list-style-type: none"> <li>1 No Read Ahead.</li> <li>2 Read Ahead.</li> <li>3 Adaptive Read Ahead.</li> </ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 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
- 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:<br><br><ol style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> <li>5 Critical</li> <li>6 Non-recoverable</li> </ol> |
| Syntax      | ObjectStatusEnum  |
| Access      | read-only   |

**Table 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   |
| 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:<br><br><ol style="list-style-type: none"> <li>1 Enabled</li> <li>2 Disabled</li> </ol> |

|        |           |         |
|--------|-----------|---------|
|        | 3         | Default |
| Syntax | INTEGER   |         |
| Access | read-only |         |

**Table 482. Virtual Disk Operational State**

|             |   |  |
|-------------|---|--|
| Name        | virtualDiskOperationalState   |  |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.30  |  |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.31  |  |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.32  |  |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.33   |  |
| 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 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.34  
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 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.35  
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 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.36  
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 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.37  
Description Indicates whether the virtual disk supports the T10 PI (Protection Information). These protection fields are known as DIF (Data Integrity Fields). Possible values:  
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 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.38

|             |   |
|-------------|---|
| Description | The block size (in bytes) of the physical disk part of the virtual disk. Possible values:<br>1 512<br>2 4096. |
| Syntax      | INTEGER   |
| Access      | read-only   |

**Table 491. Virtual Disk Adapter 1 Access Policy**

|             |   |
|-------------|---|
| Name        | virtualDiskAdapter1AccessPolicy   |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.39  |
| Description | Indicates the Access policy of the virtual disk with the virtual adapters. Possible values:<br>1 No Access.<br>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   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.40  |
| Description | Indicates the Access policy of the virtual disk with the virtual adapters. Possible values:<br>1 No Access.<br>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   |
| Object ID   | 1.3.6.1.4.1.674.10892.5.5.1.20.140.11.41  |
| Description | Indicates the Access policy of the virtual disk with the virtual adapters. Possible values:<br>1 No Access.<br>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        | <code>virtualDiskAdapter4AccessPolicy</code>  |
| 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:<br><br>1 No Access.<br>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        | <code>virtualDiskCurrentActiveController</code>  |
| 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        | <code>virtualDiskCurrentActiveController</code>  |
| 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        | <code>virtualDiskFailoverController</code>   |
| 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:<br><br><ol style="list-style-type: none"><li>1 The current state could not be determined.</li><li>2 The enclosure is operating normally.</li><li>3 The enclosure has encountered a hardware problem or is not responding.</li><li>4 The enclosure is no longer connected to the controller or there exists a problem communicating to the enclosure.</li><li>5 The enclosure is unstable.</li><li>6 The enclosure is inactive due to being configured by another controller.</li><li>7 The enclosure is offline and inAccessible.</li><li>8 The enclosure is online and Accessible.</li><li>9 The enclosure is currently blocked by another controller.</li></ol> |
| Syntax      | INTEGER   |
| Access      | read-only   |

### Table 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:<br><br><ol style="list-style-type: none"><li>1 Other</li><li>2 Unknown</li><li>3 OK</li><li>4 Non-critical</li><li>5 Critical</li><li>6 Non-recoverable</li></ol> |
| Syntax      | ObjectStatusEnum   |
| Access      | read-only  |

### Table 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. |
| 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  |
| 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: <ul style="list-style-type: none"> <li>1 Not one of the following or could not be determined.</li> <li>2 Not applicable (i.e. object is not a backplane).</li> <li>3 Supports SAS/SATA.</li> <li>4 Supports PCIe</li> <li>5 Both SAS/SATA and PCIe</li> </ul> |
| 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   |
| 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:<br><br><ol style="list-style-type: none"><li>1 The current state could not be determined</li><li>2 The enclosure management module is operating normally</li><li>3 The enclosure management module has encountered a hardware problem or is not responding</li><li>4 The enclosure management module is no longer connected to the enclosure or there exists a problem communicating to it</li><li>5 The enclosure management module is unstable</li></ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

**Table 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.13.11  |
| Description | The status of the enclosure management module itself without the propagation of any contained component status. Possible values:<br><br>1 Other<br>2 Unknown<br>3 OK<br>4 Non-critical<br>5 Critical<br>6 Non-recoverable |
| Syntax      | ObjectStatusEnum  |
| Access      | read-only   |

**Table 525. Enclosure Management Module FQDD**

|             |  |
|-------------|--|
| Name        | enclosureManagementModuleFQDD  |
| Object Id   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.13.15   |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.13.16  |
| 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: <ul style="list-style-type: none"> <li>1 The current state could not be determined</li> <li>2 The fan is operating normally</li> <li>3 The fan has encountered a hardware problem or is not responding</li> <li>4 The fan is no longer connected to the enclosure or there exists a problem communicating to it</li> <li>5 The fan is unstable</li> </ul> |
| 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: <ul style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> </ul> |

|        |                  |                 |
|--------|------------------|-----------------|
|        | 5                | Critical        |
|        | 6                | Non-recoverable |
| Syntax | ObjectStatusEnum |                 |
| Access | read-only        |                 |

**Table 532. Enclosure Fan FQDD**

|             |  |  |
|-------------|--|--|
| Name        | enclosureFanFQDD   |  |
| Object Id   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.71.20   |  |
| 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   | 1.3.6.1.4.1.674.10892.5.5.1.20.130.71.21                      |  |
| 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:<br><br><ol style="list-style-type: none"><li>1 The current state could not be determined</li><li>2 The power supply unit is operating normally</li><li>3 The power supply unit has encountered a hardware problem or is not responding</li><li>4 The power supply unit is no longer connected to the enclosure or there exists a problem communicating to it</li><li>5 The power supply unit is unstable</li></ol> |
| Syntax      | INTEGER  |
| Access      | read-only  |

**Table 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  |
| 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:<br><br><ol style="list-style-type: none"><li>1 Other</li><li>2 Unknown</li><li>3 OK</li><li>4 Non-critical</li><li>5 Critical</li><li>6 Non-recoverable</li></ol> |
| Syntax      | ObjectStatusEnum   |
| Access      | read-only  |

**Table 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: <ul style="list-style-type: none"> <li>1 The current state could not be determined</li> <li>2 The temperature probe is operating normally</li> </ul> |

- 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:                                  |
|             | <ul style="list-style-type: none"> <li>1 Other</li> <li>2 Unknown</li> <li>3 OK</li> <li>4 Non-critical</li> <li>5 Critical</li> <li>6 Non-recoverable</li> </ul> |
| 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**

|                      |                                 |
|----------------------|---------------------------------|
| <b>Variable Name</b> | alertMessageID                  |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.1.0 |
| <b>Description</b>   | Message ID of the event.        |
| <b>Syntax</b>        | DisplayString                   |
| <b>Access</b>        | Read-only                       |

**Table 553. Alert Message**

|                      |                                 |
|----------------------|---------------------------------|
| <b>Variable Name</b> | alertMessage                    |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.2.0 |
| <b>Description</b>   | Message describing the alert.   |
| <b>Syntax</b>        | StringType                      |

**Table 554. Alert Current Status**

|                      |  |
|----------------------|--|
| <b>Variable Name</b> | alertCurrentStatus   |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.3.0                            |
| <b>Description</b>   | Current status of object causing the alert, if applicable. |

|               |                  |
|---------------|------------------|
| <b>Syntax</b> | ObjectStatusEnum |
| <b>Access</b> | Read-only        |

#### Table 555. Alert System Service Tag

|                      |                                 |
|----------------------|---------------------------------|
| <b>Variable Name</b> | alertSystemServiceTag           |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.4.0 |
| <b>Description</b>   | Service tag of the system.      |
| <b>Syntax</b>        | DisplayString                   |

#### Table 556. Alert System FQDN

|                      |  |
|----------------------|--|
| <b>Variable Name</b> | alertSystemFQDN                            |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.5.0            |
| <b>Description</b>   | Fully qualified domain name of the system. |
| <b>Syntax</b>        | StringType                                 |

#### Table 557. Alert FQDD

|                      |  |
|----------------------|--|
| <b>Variable Name</b> | alertFQDD  |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.6.0                  |
| <b>Description</b>   | Fully qualified device descriptor of the device. |
| <b>Syntax</b>        | DisplayString                                    |

#### Table 558. Alert Device Display Name

|                      |                                 |
|----------------------|---------------------------------|
| <b>Variable Name</b> | alertDeviceDisplayName          |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.7.0 |
| <b>Description</b>   | Display name of the device/FQDD |
| <b>Syntax</b>        | DisplayString                   |

#### Table 559. Alert Message Arguments

|                      |  |
|----------------------|--|
| <b>Variable Name</b> | alertMessageArguments  |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.8.0  |
| <b>Description</b>   | Concatenated set of strings representing the message arguments of the event. Each message argument string is enclosed in double quotes, and there is a comma after the ending double quote of each message argument string, except the last one. Any double quotes found within a message argument string are preprocessed and changed to single quotes. |
| <b>Syntax</b>        | StringType   |

#### Table 560. Alert Chassis Service Tag

|                      |                                 |
|----------------------|---------------------------------|
| <b>Variable Name</b> | alertChassisServiceTag          |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.9.0 |

|                    |  |
|--------------------|--|
| <b>Description</b> | For modular systems, the service tag of the enclosing chassis. For rack and tower systems, this varbind will be empty (zero length). |
| <b>Syntax</b>      | DisplayString  |

**Table 561. Alert Chassis Name**

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

**Table 562. Alert Rac FQDN**

|                      |  |
|----------------------|--|
| <b>Variable Name</b> | alertRacFQDN   |
| <b>Object ID</b>     | 1.3.6.1.4.1.674.10892.5.3.1.11.0                       |
| <b>Description</b>   | Fully qualified domain name of the remote access card. |
| <b>Syntax</b>        | StringType   |

## System Trap Group

The System Trap Group contains traps that fall under the *System Health* event category of the iDRAC. System Health traps are traps those are generally generated in response to events related to the hardware of the system in which an iDRAC resides.

**Table 563. Amperage Probe Traps**

| TrapID                        | Description                                  | Category      | SubCategory | Severity      |
|-------------------------------|--|---------------|-------------|---------------|
| <b>Amperage Probe Normal</b>  |  |               |             |               |
| 2179                          | Current sensor reading is within range.      | System Health | Amperage    | Informational |
| <b>Amperage Probe Warning</b> |  |               |             |               |
| 2178                          | Current sensor has detected a warning value. | System Health | Amperage    | Minor         |
| <b>Amperage Probe Failure</b> |  |               |             |               |
| 2177                          | Current sensor has detected a failure value. | System Health | Amperage    | Critical      |

**Table 564. Automatic System Recovery Trap**

| TrapID                           | Description                                    | Category      | SubCategory    | Severity |
|----------------------------------|--|---------------|----------------|----------|
| <b>Automatic System Recovery</b> |  |               |                |          |
| 2233                             | Automatic system recovery (ASR) was performed. | System Health | Auto Sys Reset | Critical |

**Table 565. Battery Traps**

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

**Table 566. Cable Traps**

| TrapID               | Description                      | Category      | SubCategory | Severity |
|----------------------|----------------------------------|---------------|-------------|----------|
| <b>Cable Failure</b> |                                  |               |             |          |
| 2393                 | Cable failure or critical event. | System Health | Cable       | Critical |

**Table 567. CMC Traps**

| TrapID             | Description                                       | Category      | SubCategory | Severity |
|--------------------|---|---------------|-------------|----------|
| <b>CMC Warning</b> |   |               |             |          |
| 2546               | Chassis Management Controller detected a warning. | System Health | CMC         | Minor    |
| <b>CMC Failure</b> |   |               |             |          |
| 2545               | Chassis Management Controller detected an error.  | System Health | CMC         | Critical |

**Table 568. Processor Device Status Traps**

| TrapID                               | Description                                     | Category      | SubCategory | Severity      |
|--------------------------------------|---|---------------|-------------|---------------|
| <b>Processor DeviceStatus Normal</b> |   |               |             |               |
| 2243                                 | Processor device status has returned to normal. | System Health | Processor   | Informational |
| <b>ProcessorDeviceStatusWarning</b>  |   |               |             |               |
| 2242                                 | Processor device status has detected a warning. | System Health | Processor   | Minor         |
| <b>ProcessorDeviceStatusFailure</b>  |   |               |             |               |
| 2241                                 | Processor device status has detected a failure. | System Health | Processor   | Critical      |

**Table 569. Processor Device Absent Trap**

| TrapID                         | Description                 | Category      | SubCategory | Severity |
|--------------------------------|-----------------------------|---------------|-------------|----------|
| <b>Processor Device Absent</b> |                             |               |             |          |
| 2457                           | Processor device is absent. | System Health | Proc Absent | Critical |

**Table 570. Fan Traps**

| TrapID                 | Description      | Category      | SubCategory | Severity      |
|------------------------|------------------|---------------|-------------|---------------|
| <b>Fan Information</b> |                  |               |             |               |
| 2155                   | Fan information. | System Health | Fan Event   | Informational |
| <b>Fan Warning</b>     |                  |               |             |               |
| 2154                   | Fan warning.     | System Health | Fan Event   | Minor         |
| <b>Fan Failure</b>     |                  |               |             |               |
| 2153                   | Fan failure.     | System Health | Fan Event   | Critical      |

**Table 571. Fiber Channel Traps**

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

**Table 572. Hardware Configuration Traps**

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

**Table 573. IO Virtualization Traps**

| TrapID                           | Description                                  | Category      | SubCategory       | Severity |
|----------------------------------|--|---------------|-------------------|----------|
| <b>IO Virtualization Failure</b> |  |               |                   |          |
| 2553                             | IO Virtualization failure or critical event. | System Health | IO Virtualization | Critical |

**Table 574. Link Status Traps**

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

**Table 575. Memory Device Traps**

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

**Table 576. NIC Traps**

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

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

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

**Table 578. PCI Device Traps**

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

**Table 579. Physical Disk Traps**

| TrapID                           | Description                | Category      | SubCategory   | Severity      |
|----------------------------------|----------------------------|---------------|---------------|---------------|
| <b>Physical Disk Information</b> |                            |               |               |               |
| 2299                             | Physical disk information. | System Health | Physical Disk | Informational |
| <b>Physical Disk Warning</b>     |                            |               |               |               |
| 2298                             | Physical disk warning.     | System Health | Physical Disk | Minor         |
| <b>Physical Disk Failure</b>     |                            |               |               |               |
| 2297                             | Physical disk failure.     | System Health | Physical Disk | Critical      |

**Table 580. BIOS POST Trap**

| TrapID                   | Description                     | Category      | SubCategory | Severity |
|--------------------------|---------------------------------|---------------|-------------|----------|
| <b>Bios Post Failure</b> |                                 |               |             |          |
| 2425                     | System BIOS detected a failure. | System Health | BIOS POST   | Critical |

**Table 581. Power Supply Traps**

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

**Table 582. Power Supply Absent Trap**

| TrapID                     | Description             | Category      | SubCategory | Severity |
|----------------------------|-------------------------|---------------|-------------|----------|
| <b>Power Supply Absent</b> |                         |               |             |          |
| 2465                       | Power supply is absent. | System Health | PSU Absent  | Critical |

**Table 583. Power Usage Traps**

| TrapID                         | Description   | Category      | SubCategory | Severity      |
|--------------------------------|---|---------------|-------------|---------------|
| <b>Power Usage Information</b> |   |               |             |               |
| 2275                           | System performance restored.  | System Health | Power Usage | Informational |
| <b>Power Usage Warning</b>     |   |               |             |               |
| 2274                           | System performance degraded.  | System Health | Power Usage | Minor         |
| <b>Power Usage Failure</b>     |   |               |             |               |
| 2273                           | The system halted because system power exceeds capacity; or the system performance degraded because power draw exceeds the power threshold. | System Health | Power Usage | Critical      |

**Table 584. Redundancy Traps**

| TrapID                        | Description             | Category      | SubCategory | Severity      |
|-------------------------------|-------------------------|---------------|-------------|---------------|
| <b>Redundancy Information</b> |                         |               |             |               |
| 2475                          | Redundancy information. | System Health | Redundancy  | Informational |
| <b>Redundancy Degraded</b>    |                         |               |             |               |
| 2474                          | Redundancy is degraded. | System Health | Redundancy  | Minor         |
| <b>Redundancy Lost</b>        |                         |               |             |               |
| 2473                          | Redundancy is lost.     | System Health | Redundancy  | Critical      |

**Table 585. Integrated Dual SD Module Traps**

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

**Table 586. Integrated Dual SD Module Absent Trap**

| TrapID                                 | Description                          | Category      | SubCategory  | Severity |
|--|--------------------------------------|---------------|--------------|----------|
| <b>Integrated Dual SD ModuleAbsent</b> |                                      |               |              |          |
| 2481                                   | Integrated Dual SD Module is absent. | System Health | IDSDM Absent | Critical |

**Table 587. Integrated Dual SD Module Redundancy Traps**

| TrapID  | Description                                       | Category      | SubCategory      | Severity      |
|---|---|---------------|------------------|---------------|
| <b>Integrated Dual SD Module Redundancy Information</b> |   |               |                  |               |
| 2491  | Integrated Dual SD Module redundancy information. | System Health | IDSDM Redundancy | Informational |
| <b>Integrated Dual SD Module Redundancy Degraded</b>    |   |               |                  |               |
| 2490  | Integrated Dual SD Module redundancy is degraded. | System Health | IDSDM Redundancy | Minor         |
| <b>Integrated Dual SD Module Redundancy Lost</b>        |   |               |                  |               |
| 2489  | Integrated Dual SD Module redundancy is lost.     | System Health | IDSDM Redundancy | Critical      |

**Table 588. Security Event Traps**

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

**Table 589. System Event Log Traps**

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

**Table 590. Software Configuration Traps**

| TrapID                                    | Description                         | Category      | SubCategory     | Severity      |
|---|-------------------------------------|---------------|-----------------|---------------|
| <b>Software Configuration Information</b> |                                     |               |                 |               |
| 2339                                      | Software Configuration information. | System Health | Software Config | Informational |
| <b>Software Configuration Warning</b>     |                                     |               |                 |               |
| 2338                                      | Software Configuration warning.     | System Health | Software Config | Minor         |
| <b>Software Configuration Failure</b>     |                                     |               |                 |               |
| 2337                                      | Software Configuration failure.     | System Health | Software Config | Critical      |

**Table 591. Temperature Probe Traps**

| TrapID                           | Description                                      | Category      | SubCategory | Severity      |
|----------------------------------|--|---------------|-------------|---------------|
| <b>Temperature Probe Normal</b>  |  |               |             |               |
| 2163                             | Temperature sensor value is within range.        | System Health | Temperature | Informational |
| <b>Temperature Probe Warning</b> |  |               |             |               |
| 2162                             | Temperature sensor has detected a warning value. | System Health | Temperature | Minor         |
| <b>Temperature Probe Failure</b> |  |               |             |               |
| 2161                             | Temperature sensor has detected a failure value. | System Health | Temperature | Critical      |

**Table 592. Temperature Statistics Traps**

| TrapID                                | Description  | Category      | SubCategory            | Severity |
|---------------------------------------|--|---------------|------------------------|----------|
| <b>Temperature Statistics Warning</b> |  |               |                        |          |
| 2522                                  | Temperature has been above the warning or critical threshold level for a long enough period of time to be considered in a warning state. | System Health | Temperature Statistics | Minor    |
| <b>Temperature Statistics Failure</b> |  |               |                        |          |

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

**Table 594. vFlash Media Device Absent Trap**

| TrapID                            | Description                    | Category      | SubCategory   | Severity      |
|-----------------------------------|--------------------------------|---------------|---------------|---------------|
| <b>vFlash Media Device Absent</b> |                                |               |               |               |
| 2515                              | vFlash Media device is absent. | System Health | vFlash Absent | Informational |

**Table 595. RAC Trap**

| TrapID                 | Description      | Category      | SubCategory | Severity      |
|------------------------|------------------|---------------|-------------|---------------|
| <b>RAC Information</b> |                  |               |             |               |
| 2531                   | RAC information. | System Health | RAC         | Informational |

**Table 596. Voltage Probe Traps**

| TrapID                       | Description                                  | Category      | SubCategory | Severity      |
|------------------------------|--|---------------|-------------|---------------|
| <b>Voltage Probe Normal</b>  |  |               |             |               |
| 2171                         | Voltage sensor reading is within range.      | System Health | Voltage     | Informational |
| <b>Voltage Probe Warning</b> |  |               |             |               |
| 2170                         | Voltage sensor has detected a warning value. | System Health | Voltage     | Minor         |
| <b>Voltage Probe Failure</b> |  |               |             |               |
| 2169                         | Voltage sensor has detected a failure value. | System Health | Voltage     | Critical      |

**Table 597. System Performance Trap**

| TrapID                            | Description                 | Category      | SubCategory | Severity |
|-----------------------------------|-----------------------------|---------------|-------------|----------|
| <b>System Performance Warning</b> |                             |               |             |          |
| 2650                              | System performance warning. | System Health | Performance | Minor    |

**Table 598. iDRAC Memory Unresponsive Trap**

| TrapID                           | Description                                       | Category      | SubCategory               | Severity |
|----------------------------------|---|---------------|---------------------------|----------|
| <b>iDRAC Memory Unresponsive</b> |   |               |                           |          |
| 2433                             | Unable to communicate with internal iDRAC memory. | System Health | iDRAC Memory Unresponsive | Critical |

**Table 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      |
|----------------------------|----------------------|----------|---------------|---------------|
| <b>Battery Information</b> |                      |          |               |               |
| 4275                       | Battery information. | Storage  | Battery Event | Informational |
| <b>Battery Warning</b>     |                      |          |               |               |
| 4274                       | Battery warning.     | Storage  | Battery Event | Minor         |
| <b>Battery Failure</b>     |                      |          |               |               |
| 4273                       | Battery failure.     | Storage  | Battery Event | Critical      |

**Table 601. Controller Traps**

| TrapID                                | Description             | Category | SubCategory   | Severity      |
|---------------------------------------|-------------------------|----------|---------------|---------------|
| <b>Storage Controller Information</b> |                         |          |               |               |
| 4331                                  | Controller information. | Storage  | Storage Contr | Informational |
| <b>Storage Controller Warning</b>     |                         |          |               |               |
| 4330                                  | Controller warning.     | Storage  | Storage Contr | Minor         |
| <b>Storage Controller Failure</b>     |                         |          |               |               |

| TrapID | Description         | Category | SubCategory   | Severity |
|--------|---------------------|----------|---------------|----------|
| 4329   | Controller failure. | Storage  | Storage Contr | Critical |

**Table 602. Enclosure Traps**

| TrapID                               | Description            | Category | SubCategory     | Severity      |
|--------------------------------------|------------------------|----------|-----------------|---------------|
| <b>Storage Enclosure Information</b> |                        |          |                 |               |
| 4339                                 | Enclosure information. | Storage  | Storage Enclosr | Informational |
| <b>Storage Enclosure Warning</b>     |                        |          |                 |               |
| 4338                                 | Enclosure warning.     | Storage  | Storage Enclosr | Minor         |
| <b>Storage Enclosure Failure</b>     |                        |          |                 |               |
| 4337                                 | Enclosure failure.     | Storage  | Storage Enclosr | Critical      |

**Table 603. Fan Traps**

| TrapID                         | Description      | Category | SubCategory | Severity      |
|--------------------------------|------------------|----------|-------------|---------------|
| <b>Storage Fan Information</b> |                  |          |             |               |
| 4203                           | Fan information. | Storage  | Fan Event   | Informational |
| <b>Storage Fan Warning</b>     |                  |          |             |               |
| 4202                           | Fan warning.     | Storage  | Fan Event   | Minor         |
| <b>Storage Fan Failure</b>     |                  |          |             |               |
| 4201                           | Fan failure.     | Storage  | Fan Event   | Critical      |

**Table 604. Physical Disk Traps**

| TrapID                                   | Description                | Category | SubCategory   | Severity      |
|--|----------------------------|----------|---------------|---------------|
| <b>Storage Physical Disk Information</b> |                            |          |               |               |
| 4347                                     | Physical disk information. | Storage  | Physical Disk | Informational |
| <b>Storage Physical Disk Warning</b>     |                            |          |               |               |
| 4346                                     | Physical disk warning.     | Storage  | Physical Disk | Minor         |
| <b>Storage Physical Disk Failure</b>     |                            |          |               |               |
| 4345                                     | Physical disk failure.     | Storage  | Physical Disk | Critical      |

**Table 605. Power Supply Traps**

| TrapID                                  | Description               | Category | SubCategory  | Severity      |
|---|---------------------------|----------|--------------|---------------|
| <b>Storage Power Supply Information</b> |                           |          |              |               |
| 4235                                    | Power supply information. | Storage  | Power Supply | Informational |
| <b>Storage Power Supply Warning</b>     |                           |          |              |               |
| 4234                                    | Power supply warning.     | Storage  | Power Supply | Minor         |
| <b>Storage Power Supply Failure</b>     |                           |          |              |               |
| 4233                                    | Power supply failure.     | Storage  | Power Supply | Critical      |

**Table 606. Security Event Traps**

| TrapID                      | Description                                 | Category | SubCategory    | Severity      |
|-----------------------------|---|----------|----------------|---------------|
| <b>Security Information</b> |   |          |                |               |
| 4435                        | Storage Security information.               | Storage  | Security Event | Informational |
| <b>Security Warning</b>     |   |          |                |               |
| 4434                        | Storage Security warning.                   | Storage  | Security Event | Minor         |
| <b>Security Failure</b>     |   |          |                |               |
| 4433                        | Storage Security failure or critical event. | Storage  | Security Event | Critical      |

**Table 607. Storage Management Status Traps**

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

**Table 608. Temperature Probe Traps**

| TrapID                                       | Description                    | Category | SubCategory | Severity      |
|--|--------------------------------|----------|-------------|---------------|
| <b>Storage Temperature Probe Information</b> |                                |          |             |               |
| 4211   | Temperature probe information. | Storage  | Temperature | Informational |
| <b>Storage Temperature Probe Warning</b>     |                                |          |             |               |
| 4210   | Temperature probe warning.     | Storage  | Temperature | Minor         |
| <b>Storage Temperature Probe Failure</b>     |                                |          |             |               |
| 4209   | Temperature probe failure.     | Storage  | Temperature | Critical      |

**Table 609. Virtual Disk Trap**

| TrapID                                 | Description               | Category | SubCategory  | Severity      |
|--|---------------------------|----------|--------------|---------------|
| <b>Storage VirtualDisk Information</b> |                           |          |              |               |
| 4355                                   | Virtual disk information. | Storage  | Virtual Disk | Informational |
| <b>Storage Virtual Disk Warning</b>    |                           |          |              |               |
| 4354                                   | Virtual disk warning.     | Storage  | Virtual Disk | Minor         |

| TrapID                              | Description           | Category | SubCategory  | Severity |
|-------------------------------------|-----------------------|----------|--------------|----------|
| <b>Storage Virtual Disk Failure</b> |                       |          |              |          |
| 4353                                | Virtual disk failure. | Storage  | Virtual Disk | Critical |

## Updates Trap Group

The Updates Trap Group contains traps that fall under the **Updates** event category of iDRAC. Updates traps are traps generated in response to events related to firmware/driver upgrades/downgrades.

**Table 610. Update Traps**

| TrapID                         | Description             | Category | SubCategory | Severity      |
|--------------------------------|-------------------------|----------|-------------|---------------|
| <b>Updates Job Information</b> |                         |          |             |               |
| 6211                           | Update job information. | Updates  | Updates     | Informational |

**Table 611. Software Change Traps**

| TrapID                                | Description                     | Category | SubCategory     | Severity |
|---------------------------------------|---------------------------------|----------|-----------------|----------|
| <b>Software Change Update Warning</b> |                                 |          |                 |          |
| 6314                                  | Software change update warning. | Updates  | Software Change | Minor    |

## Audit Trap Group

The Audit Trap Group contains traps that fall under the **Audit** event category of iDRAC. Audit traps are traps generated in response to audit-type events of iDRAC, such as authorizing of debugging, changes to iDRAC license state, power state changes, etc.

**Table 612. CMC Traps**

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

**Table 613. Debug Traps**

| TrapID                   | Description       | Category | SubCategory | Severity      |
|--------------------------|-------------------|----------|-------------|---------------|
| <b>Debug Information</b> |                   |          |             |               |
| 8595                     | Debug authorized. | Audit    | Debug       | Informational |
| <b>DebugWarning</b>      |                   |          |             |               |

| TrapID | Description                 | Category | SubCategory | Severity |
|--------|-----------------------------|----------|-------------|----------|
| 8594   | Debug authorization failed. | Audit    | Debug       | Minor    |

**Table 614. User Tracking Traps**

| TrapID                       | Description            | Category | SubCategory   | Severity |
|------------------------------|------------------------|----------|---------------|----------|
| <b>User Tracking Warning</b> |                        |          |               |          |
| 8490                         | User tracking warning. | Audit    | User Tracking | Minor    |

**Table 615. iDRAC IP Address Change Trap**

| TrapID                         | Description                   | Category | SubCategory     | Severity      |
|--------------------------------|-------------------------------|----------|-----------------|---------------|
| <b>iDRAC IP Address Change</b> |                               |          |                 |               |
| 8499                           | iDRAC IP address has changed. | Audit    | DRAC IP Address | Informational |

**Table 616. License Traps**

| TrapID                     | Description          | Category | SubCategory | Severity      |
|----------------------------|----------------------|----------|-------------|---------------|
| <b>License Information</b> |                      |          |             |               |
| 8515                       | License information. | Audit    | Licensing   | Informational |
| <b>License Warning</b>     |                      |          |             |               |
| 8514                       | License warning.     | Audit    | Licensing   | Minor         |
| <b>License Failure</b>     |                      |          |             |               |
| 8513                       | License failure.     | Audit    | Licensing   | Critical      |

**Table 617. PCI DeviceTraps**

| TrapID                          | Description               | Category | SubCategory | Severity |
|---------------------------------|---------------------------|----------|-------------|----------|
| <b>PCI Device Audit Warning</b> |                           |          |             |          |
| 8562                            | PCI device audit warning. | Audit    | PCI Device  | Minor    |

**Table 618. Power SupplyTraps**

| TrapID                            | Description                                   | Category | SubCategory  | Severity |
|-----------------------------------|---|----------|--------------|----------|
| <b>Power Supply Audit Warning</b> |   |          |              |          |
| 8330                              | Power supply audit warning.                   | Audit    | Power Supply | Minor    |
| <b>Power Supply Audit Failure</b> |   |          |              |          |
| 8329                              | Power supply audit failure or critical event. | Audit    | Power Supply | Critical |

**Table 619. Power Usage Traps**

| TrapID                               | Description                    | Category | SubCategory | Severity      |
|--------------------------------------|--------------------------------|----------|-------------|---------------|
| <b>Power Usage Audit Information</b> |                                |          |             |               |
| 8419                                 | Power usage audit information. | Audit    | Power Usage | Informational |

| TrapID                           | Description                                  | Category | SubCategory | Severity |
|----------------------------------|--|----------|-------------|----------|
| <b>Power Usage Audit Warning</b> |  |          |             |          |
| 8418                             | Power usage audit warning.                   | Audit    | Power Usage | Minor    |
| <b>Power Usage Audit Failure</b> |  |          |             |          |
| 8417                             | Power usage audit failure or critical event. | Audit    | Power Usage | Critical |

**Table 620. System Power State Change Trap**

| TrapID                                       | Description   | Category | SubCategory | Severity      |
|--|---|----------|-------------|---------------|
| <b>System Power State Change Information</b> |   |          |             |               |
| 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      |
|-----------------------------------|-----------------------------|---------------|----------------|---------------|
| <b>Auto Discovery Information</b> |                             |               |                |               |
| 10635                             | Auto discovery information. | Configuration | Auto Discovery | Informational |

**Table 622. NIC Configuration Traps**

| TrapID                                   | Description                        | Category      | SubCategory | Severity      |
|--|------------------------------------|---------------|-------------|---------------|
| <b>Network Configuration Information</b> |                                    |               |             |               |
| 10771                                    | Network configuration information. | Configuration | IOID        | Informational |
| <b>Network Configuration Warning</b>     |                                    |               |             |               |
| 10770                                    | Network configuration warning.     | Configuration | IOID        | Minor         |

**Table 623. IP Address Traps**

| TrapID                                      | Description                           | Category      | SubCategory | Severity      |
|---|---------------------------------------|---------------|-------------|---------------|
| <b>IP Address Configuration Information</b> |                                       |               |             |               |
| 10547                                       | IP Address configuration information. | Configuration | IP Address  | Informational |

**Table 624. Job Control Traps**

| TrapID                                       | Description                            | Category      | SubCategory | Severity      |
|--|--|---------------|-------------|---------------|
| <b>Job Control Configuration Information</b> |  |               |             |               |
| 10267  | Job control configuration information. | Configuration | Job Control | Informational |

**Table 625. PCI Device Traps**

| TrapID                                      | Description                           | Category      | SubCategory | Severity      |
|---|---------------------------------------|---------------|-------------|---------------|
| <b>PCI Device Configuration Information</b> |                                       |               |             |               |
| 10611                                       | PCI device configuration information. | Configuration | PCI Device  | Informational |

**Table 626. Security Event Traps**

| TrapID                                      | Description                     | Category      | SubCategory    | Severity |
|---|---------------------------------|---------------|----------------|----------|
| <b>Security Event Configuration Warning</b> |                                 |               |                |          |
| 10578                                       | Security configuration warning. | Configuration | Security Event | Minor    |

**Table 627. Software Configuration Traps**

| TrapID                           | Description                     | Category      | SubCategory     | Severity |
|----------------------------------|---------------------------------|---------------|-----------------|----------|
| <b>SWC Configuration Warning</b> |                                 |               |                 |          |
| 10530                            | Software configuration warning. | Configuration | Software Config | Minor    |
| <b>SWC Configuration Failure</b> |                                 |               |                 |          |
| 10529                            | Software configuration failure. | Configuration | Software Config | Critical |

**Table 628. Test Trap**

| TrapID                 | Description  | Category      | SubCategory | Severity      |
|------------------------|--|---------------|-------------|---------------|
| <b>Test Trap Event</b> |  |               |             |               |
| 10395                  | The iDRAC generated a test trap event in response to a user request. | Configuration | Test Alert  | Informational |

## iDRAC Memory Unresponsive Trap

The iDRAC memory unresponsive trap contains traps that fall under the **iDRAC Memory Unresponsive** event category of iDRAC. The notifications which an SNMP v2 entity is required to implement.

**Table 629. Update Traps**

| TrapID                           | Description                                       | Category      | SubCategory               | Severity |
|----------------------------------|---|---------------|---------------------------|----------|
| <b>iDRAC Memory Unresponsive</b> |   |               |                           |          |
| 2433                             | Unable to communicate with internal iDRAC memory. | System Health | iDRAC Memory Unresponsive | Critical |

## Solid State Drive Trap

The Solid state drive trap contains traps that fall under the **Solid State Drive** event category of iDRAC. The notifications which an SNMP v2 entity is required to implement.

**Table 630. Solid State Drive Trap**

| <b>TrapID</b>                     | <b>Description</b>                    | <b>Category</b> | <b>SubCategory</b>        | <b>Severity</b> |
|-----------------------------------|---------------------------------------|-----------------|---------------------------|-----------------|
| Storage Solid State Drive<br>4370 | SSD is less than the threshold value. | System Health   | Storage Solid State Drive | Minor           |