Dell™ OpenManage™ Server

Administrator Version 5.2

# SNMP Reference Guide

# Notes and Notices

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

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

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**April 2007**

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# 1

# Introduction

This introduction is divided into two sections. The first section, "Introduction to the SNMP Reference Guide," explains the *SNMP Reference Guide* design. All essential Simple Network Management Protocol (SNMP) terms are defined in this section. Some of the vocabulary may seem complex and unfamiliar to system administrators who are using SNMP for the first time. SNMP experts can skim this section, and beginners can read the section more carefully.

The second section, "Introduction to the Server Administrator SNMP Subagent," is a more technical introduction to the management information base (MIB) that underlies Server Administrator services.

### Audience

This guide is intended for system administrators, network administrators, and anyone who wants to write SNMP MIB applications to monitor systems.

## What's New in this Release

This section lists changes to the Server Administrator MIBs in this release of Server Administrator.

### What's New in the Instrumentation MIB

- Updated the Processor Device Family with the new `deviceFamilyIsIntelCore2(190)` value.
- Increased the size of the following MIB string attributes:
  - `systemManagementSoftwareURLName`
  - `operatingSystemOperatingSystemName`
  - `operatingSystemOperatingSystemVersionName`

### What's New in the Remote Access MIB

No changes.

### What's New in the Field Replaceable Unit MIB

No changes.

### What's New in the Storage Management Group MIB

- Added the new `enclosureSASAddress` attribute to the Enclosure Table.
- Changed the syntax of the following objects from octet strings to display strings:
  - `controllerPCISlot`
  - `enclosureSCSIRate`
  - `arrayDiskSASAddress`

### What's New in the Change Management MIB

No changes.

# Introduction to the SNMP Reference Guide

This reference guide provides a formatted version of the Server Administrator Instrumentation MIB (filename **10892.mib)**, the Server Administrator Remote Access MIB (filename **dcs3rmt.mib**), the Server Administrator Field Replaceable Unit MIB (filename **dcs3fru.mib**), the Server Administrator Storage Management MIB (filename **dcstorag.mib**), and the Server Administrator Change Management MIB (filename **dellcm.mib**) that are released with the current version of Dell™ OpenManage™ Server Administrator.

Sections in this guide follow MIB groups and provide explanations and definitions for the terms used to define MIB objects. Content in this reference guide is organized as documented in the following subsections.

### General Content

Table 1-1 describes the sections that provide general information about the MIBs documented in this guide.

**Table 1-1. General Content Sections in This Guide**

| Section | Topics | MIB Group Number |
|---|---|---|
| **1** | Introduction to SNMP basics and to the MIBs that support Server Administrator services | NA |
| **25** | Traps — describes in-band traps defined in the Server Administrator Instrumentation MIB and out-of-band traps sent by the Remote Access Controller (RAC) and Baseboard Management Controller (BMC). | 5000 |
| **Appendix A** | Standard Data Type Definitions — defines standard data types used in this reference guide. | NA |
| **Appendix B** | SNMP Sample Output — provides a sample SNMP output. | NA |
| **Glossary** | Defines acronyms, abbreviations, and technical terms used in this reference guide. | NA |

### Server Administrator Instrumentation MIB

The Server Administrator Instrumentation MIB (filename **10892.mib**) provides instrumentation data that allows you to monitor the health of a system with SNMP management applications. It provides:

- Information about the status of temperatures, power supplies, voltages, currents, fans, and memory at key points in the system
- Rapid access to detailed fault and performance information gathered by industry standard systems management agents
- Version information for Basic Input/Output System (BIOS), firmware, and operating system
- A detailed account of every cost of ownership (COO) detail about your system

In addition, traps are sent to report a change in status of the health of critical components.

The Server Administrator Instrumentation MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table 1-2 describes each Server Administrator Instrumentation MIB group and lists the MIB group number assigned to the MIB group.
The Server Administrator Instrumentation 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 1-2. Server Administrator Instrumentation MIB Sections in This Guide**

| Section | Topics | MIB Group Numbers |
|---|---|---|
| **2** | Instrumentation MIB Version Group — defines version numbers of the Instrumentation MIB | 1 |
| **3** | Systems Management Software Group — defines information about the systems management software and the supported systems management standards | 100 |
| **4** | System State Group — defines status, state, and redundancy for a system and its components | 200 |
| **5** | Chassis Information Group — defines chassis types, events, and indicators | 300 |
| **6** | Operating System Group — defines variables for name, version, service pack, and other information about a system's operating system | 400 |
| **7** | System Resource Group — defines variables for input/output ports, memory, interrupts, and direct memory access | 500 |
| **8** | Power Group — defines variables for power units, power supplies, and their current and voltage probes | 600 |
| **9** | Thermal Group — defines variables for temperature probes and cooling devices | 700 |
| **10** | User Security Group — defines variables for creating and modifying user accounts | 800 |
| **11** | Remote Flash BIOS Group — defines variables for updating the system's BIOS remotely | 900 |
| **12** | Port Group — defines variables for major port types such as keyboard, monitor, small computer system interface (SCSI), Universal Serial Bus (USB), and parallel and serial ports | 1000 |

**Table 1-2. Server Administrator Instrumentation MIB Sections in This Guide *(continued)***

| Section | Topics | MIB Group Numbers |
|---|---|---|
| **13** | Device Group — defines variables for pointing, keyboard, processor, cache, memory, and personal computer interface devices | 1100 |
| **14** | Slot Group — defines variables for the system's slots | 1200 |
| **15** | Memory Group — defines variables for the system's physical memory | 1300 |
| **16** | BIOS Setup Control Group — defines variables for BIOS functions such as boot sequence, speakers, Wake on the local area network (LAN), diskettes, ports, and network interface controllers (NIC) | 1400 |
| **17** | Local Response Agent Group — defines variables for global settings and actions. These variables allow users to predetermine how the system responds to a particular type of event | 1500 |
| **18** | Cost of Ownership Group — defines variables for tracking data on the system's service contract, lease, repair records, trouble tickets, and so on | 1600 |
| **20** | Cluster Group — defines variables for systems that operate as a cluster | 1800 |
| **21** | Baseboard Management Controller Group — provides information about the Baseboard Management Controller (BMC) that may be present in your system. In addition to providing general information about the BMC, this group provides information about the serial and local area network (LAN) interfaces of the BMC | 1900 |
| **25** | Traps — defines the types of alerts that can be sent to report the status of critical components | 5000 |

## Server Administrator Remote Access MIB

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 1-3 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 1-3. Server Administrator Remote Access MIB Sections in This Guide**

| Section | Topic | MIB Group Numbers |
|---|---|---|
| **19** | 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 |

### Server Administrator Baseboard Management Controller, ASF MIB

The Server Administrator BMC MIB (filename **DcAsfSrv.mib**) provides information about the traps sent by BMC. The Server Administrator BMC MIB structures its MIB objects that provide related information. The BMC MIB groups are identified by the SNMP OID 1.3.6.1.4.1.3183.1.1.<MIB group number> The BMC MIB is adheres to ASF 2.0 standard and hence the enterprise ID is wired for management (3183).

### Server Administrator Field Replaceable Unit MIB

The Server Administrator Field Replaceable Unit MIB (filename **dcs3fru.mib**) provides information about field replaceable unit (FRU) hardware that may be present in your system.

The Server Administrator Field Replaceable Unit MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table 1-4 describes each Server Administrator Field Replaceable Unit MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Field Replaceable Unit 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 1-4. Server Administrator Field Replaceable Unit MIB Sections in This Guide**

| Section | Topic | MIB Group Numbers |
|---|---|---|
| **22** | Field Replaceable Unit Group — provides information about field replaceable units that may be present in your system | 2000 |

### Server Administrator Storage Management MIB

The Server Administrator Storage Management MIB (filename **dcstorag.mib**) provides storage management data that allows you to monitor the health of storage resources with SNMP management applications.

Table 1-5 describes each Server Administrator Storage Management MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Storage Management MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.<*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 1-5. Server Administrator Storage Management MIB Sections in This Guide**

| Section | Topics | MIB Group Numbers |
|---|---|---|
| **23** | Storage Management Group — consists of definitions for the following MIB groups:<br>• Storage Management Group<br>• Storage Management Information Group<br>• Global Data Group<br>• Physical Devices Group<br>• Logical Devices Group<br>• Storage Management Event Group | 10893 |
| **26** | Storage Management Alert Reference — lets you monitor the health of storage resources such as controllers, connectors, array disks, and virtual disks | NA |

## Server Administrator Change Management MIB

The Server Administrator Change Management MIB (filename **dellcm.mib**) provides management data that allows you to monitor the inventory of devices and applications with SNMP management applications.

Table 1-6 describes each Server Administrator Change Management MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Change Management MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.<*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 1-6. Server Administrator Change Management MIB Sections in This Guide**

| Section | Topics | MIB Group Number |
|---|---|---|
| **24** | Change Management Group - describes the inventory data provided by the Change Management MIB that allows users to monitor devices and software present on a particular managed computer chassis | 10899 |

## How This Guide Defines Technical Terms

The following table provides information about where to find definitions for technical terms in this reference guide.

**Table 1-7. Where to Find Definitions for Technical Terms**

| Type of Definition | See |
|---|---|
| Basic SNMP vocabulary. | Introduction |
| MIB-group-specific variable values. MIB-group-specific MIB variables contain links to the tables that define these values in the last section of the section in which these variables are used. | Sections 3, 5, 7, 8, 9, and 11 through 18. |
| Systems management terms, acronyms, and commonly managed components referred to in this reference guide. | Glossary |
| Server Administrator-standard data types that specify variable values in this reference guide. | Appendix A, "Standard Data Type Definitions." |

## SNMP 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. The Glossary contains definitions for all essential terms and acronyms.

### SNMP Master Agent

Typically, the SNMP agent on a managed system consists of one SNMP master agent and zero or more SNMP extension agents. This SNMP agent extendable structure facilitates the addition of new MIB modules without having to rebuild the entire SNMP agent and is invisible to SNMP management applications.

The SNMP master agent is responsible for receiving SNMP request protocol messages from SNMP management applications and sending SNMP response protocol messages. As part of processing SNMP request protocol messages, the SNMP master agent typically communicates with one or more SNMP extension agents. This communication does not involve standard SNMP protocol messages. The SNMP master agent uses an extension protocol that shields the SNMP extension agent from the standard SNMP protocol messages. The extension protocol also provides a way for SNMP extension agents to send SNMP event notifications (called traps in SNMPv1). The SNMP master agent is also responsible for sending SNMP event notification protocol messages to SNMP management applications.

On supported operating systems, the SNMP master agent is provided with the operating system. For example, on supported Microsoft® Windows® operating systems, the Windows SNMP service is the SNMP master agent. For information on the versions of the SNMP protocol supported by the SNMP master agent, see the operating system documentation.

### SNMP Extension Agent

The SNMP extension agent is responsible for registering the MIB objects that it supports with the SNMP master agent and then processing requests from the SNMP master agent for those MIB objects. The SNMP extension agent also initiates event notifications to the SNMP master agent. The SNMP extension agent does not receive or send standard SNMP protocol messages. The SNMP extension agent communicates with the SNMP master agent using an extension protocol defined by the SNMP master agent.

The Server Administrator SNMP subagent is an SNMP extension agent.

### Managed Object

A managed object is any item in a computer system that can be singled out for discovery, monitoring, or user intervention and correction.

**NOTE:** Not all managed objects described in this guide are supported by all systems.

### MIB

A MIB acts as a structured road map for managed objects. As an Application Programming Interface (API), a MIB allows systems management tools to retrieve data maintained by an agent. The server administrator MIB is divided into several major groups of managed objects.

### Variable

A variable is a component of a managed object. A temperature probe, for example, has a variable to describe its capabilities, its health or status, and certain indexes that you can use to locate specific temperature probes. One index for the probe would be the probe's chassis number. Some systems may have multiple chassis—one chassis for the central processing unit and another chassis for storage. A chassis within a system can also have more than one temperature probe. Variables for a temperature probe include its capabilities, status, chassis index, and index.

### One-Based Index

When an index is one-based, counting starts at 1. One-based indexing counts the first instance as 1, the second index as 2, and so on.

### Zero-Based Index

When an index is zero-based, counting starts at 0. Zero-based indexing counts the first instance as 0, the second index as 1, and so on.

### Fields

Managed object variables contain fields. In this reference guide, managed object variables have the following fields defined:

**Name** is the exact string by which the variable is known in the MIB. MIB variables are named according to the following conventions:

- Variable names start with a lowercase letter.
- Spaces are not allowed between words in the variable name.
- Acronyms are in uppercase letters, except when an acronym is the first word in the variable name.
- With the exception of the first letter of the variable name and acronyms, all other words in the variable name start with capital letters.

The following variable names illustrate these conventions:

```
temperatureProbeLowerCriticalThreshold

coolingUnitIndex

pCIDeviceSpeed
```

**Object Identifier (OID)** is the unique number assigned to an object defined in a MIB. An OID is written as a sequence of subidentifiers in decimal notation. Each OID in this reference guide has a prefix that identifies the managed objects as belonging to Dell™: 1.3.6.1.4.1.674. The additional numbers identify the MIB group and subgroup as well as the table entry number of any variables.

For example, the OID for the temperature probe managed object table is 700.20 and the variable for the location of the temperature probe (temperatureProbeLocationName) has an OID of 700.20.1.8. The full OIDs for these items are 1.3.6.1.4.1.674.10892.1.700.20 for the temperatureProbeTable and 1.3.6.1.4.1.674.10892.1.700.20.1.8 for the temperatureProbeLocation. For more information about the structure of OIDs, see "SNMP MIB OIDs."

**Description** is a brief explanation of what a particular managed object does.

**Syntax** defines the data type in which the values of the variable must be expressed. Most variables in this reference guide use standard data types such as string or boolean. All data types that are unique to server administrator variables are defined at the end of the section in which they occur. Standard data types are defined in "Standard Data Type Definitions."

**Access** specifies whether persons with administrative privileges can read but not modify the value of a variable (read only) or can both read and modify the value of a variable (read-write).

### 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 will behave 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 differences 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 the type of object 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 identify 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.

### Example SNMP Table

#### *UUID Table*

These objects comprise the Server Administrator definitions for the UUID.

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

#### *UUID Table Entry*

| | |
|---|---|
| **Name** | `uUIDTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.20.1 |
| **Description** | Defines the UUID table entry. |
| **Syntax** | UUIDTableEntry |
| **Access** | Not accessible |
| **Index** | uUIDIndex, uUIDchassisIndex |

### *UUID Chassis Index*

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

### *UUID Index*

| | |
|---|---|
| **Name** | uUIDIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.20.1.2 |
| **Description** | Defines the index of the UUID in a specified chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### *UUID Type*

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

### *UUID Value*

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

## Reference Guide Content Tables

**NOTE:** Variable values are defined for any variable that is Server Administrator-specific. Industry-standard variable definitions are documented in "Standard Data Type Definitions."

Some of the tables in this guide have no technical significance in SNMP. These tables are designed to show information in a readable form. The following table, for example, defines the Server Administrator-specific variable, DellFanControlCapabilities. The table provides the name of the variable, its data type, the values that are valid for the variable, and the meaning of each value.

**Table 1-8. Example Variable Type Definition Table**

**Variable Name:** `DellFanControlCapabilities`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `unknown(1)` | The fan's capabilities are unknown. |
| `lowSpeedCapable(2)` | The fan can be set to low speed. |
| `highSpeedCapable(4)` | The fan can be set to high speed. |
| `lowOrHighSpeedCapable(6)` | The fan can be set to low or high speed. |

This type of table is used throughout the reference guide to list and define variable values. Tables that explain Server Administrator-specific variable values are located in the final section of sections that define Server Administrator-specific variables. In the preceding example, the variable name is DellFanControlCapabilities. This variable must be expressed as an integer and has four possible values: unknown, lowSpeedCapable, highSpeedCapable, and lowOrHighSpeed Capable.

## Section Organization

Sections in this reference guide are based on the Server Administrator MIBs, so the complexity of each section depends on the complexity of each MIB group. The first section provides a high-level introduction to the MIB group. If the group is defined by one or more tables, the second section lists these tables. The third section documents the variables that comprise the group, and if applicable, the variables that comprise the tables. The fourth section contains definitions for any Server Administrator-specific variables that are used in the section. The following example shows the typical content of these four sections.

1. BIOS Setup Control Group

   This section explains the purpose of the MIB group and summarizes the major features of the component groups.

2. BIOS Group Tables

   If there is more than one SNMP table for a group, this section lists all of the tables. For this BIOS group example, there are eight tables listed. In each section, double-clicking any table on the list takes you to that table.

- BIOS Setup Control Table
- SCSI Control Table
- Parallel Port Control Table
- Serial Port Control Table
- USB Control Table
- IDE Control Table
- Diskette Control Table
- Network Interface Control Table

3 Variables that make up each table in the group

This section documents the variables for the eight tables that comprise the BIOS group.

4 BIOS Variable Values

This section explains any Server Administrator-specific variables and data types that are used in this section. In the BIOS group example, there are 17 unique, Server Administrator-specific variable meanings. Information on each Server Administrator-specific variable is presented in a formatted table.

### Other Documents You May Need

In addition to this *Server Administrator SNMP Reference Guide*, you can find the following guides on your documentation CD:

- 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.
- *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 provider documents supported classes of management objects.

## Introduction to the Server Administrator SNMP Subagent

This guide provides formatted information drawn primarily from the MIB files written for the Server Administrator services that support the SNMP protocol.

For each of the variables defined in the MIBs, the following fields are specified:

- Variable name
- OID or unique identifying number
- Description
- Data type of the variable (for example: integer, string, octet string)
- Whether the variable is accessible, not accessible, read-only, or read-write
- Index or indexes, if applicable

For each MIB group that has unique variable definitions, tables are included in the last section of the section to explain the meaning of the terms.

Standards for writing MIBs are defined by the Internet Engineering Task Force (IETF). Structure of Management Information (SMI) is a standard that specifies the rules for defining the structure and type of managed objects and events in a MIB. SMIv1 is specified in Request For Comments (RFC) 1155. The Server Administrator MIB conforms to the SMIv1 standard.

SNMP is a systems management standard originally designed for network management. SNMP manages much more than networks. Information Technology (IT) professionals use SNMP for monitoring and managing computer systems and the various components and peripherals supported by their systems.

SNMP standards are defined by the Internet Engineering Task Force (IETF). SNMP version 1 was published in August 1988 and is the most commonly supported version of SNMP. SNMP version 2 was first published in May 1993, but has not gained widespread market acceptance. SNMP version 3 was recently completed and has addressed security issues that exist in version 1.

All SNMP systems consist of one or more managed systems that provide data through an SNMP agent to a management system. The management system provides a user interface to view data from the managed systems. The management system and managed systems communicate over a network (typically through User Datagram Protocol/Internet Protocol [UDP/IP]).

The management system and a managed system communicate by means of a common data schema. SNMP MIB files define the structure, type, and values of the SNMP data. While MIBs can be standardized or enterprise specific, most operating systems supply SNMP agents for the standard MIB-I and MIB-II schemas. MIB-I defines a base set of standard management information for systems implementing the Internet Protocol (IP) suite. MIB-II defines characteristics of the system, characteristics of network interfaces, and characteristics of components of the IP on the system. In addition to the standard MIBs, many hardware vendors have defined MIBs that provide management data specific to their systems and peripheral devices.

Monitored data can be retrieved through SNMP using the Get command. Typically, this command requires the host name or IP address of the target machine as well as the OID of the data to retrieve. Exact details are dependent on the operating system and the development tools being used to create the management application. The Get command has a variant known as GetNext.

### SNMP MIB OIDs

Each data class within an MIB is defined by an OID. OIDs are unique across all MIBs. An OID consists of a series of digits separated by periods. The OID functions in a similar fashion to a phone number. The phone number 011-512-471-0000 uniquely identifies a single phone. The phone number can be broken down into a number of components to uniquely identify a phone. The first component, 011, is the country code for the United States. The second component, 512, identifies the area code for central Texas. The third component, 471, is the phone exchange for a large state university in the city of Austin. The final component, 0000, is the main switchboard.

There are two main differences between the phone number example and an actual OID. The first difference is that there are many more components in an OID, up to 128. The combination of these components is called an OID prefix. The second difference is that OIDs support the concept of indexes or keys. The OID prefix specifies the data class but does not specify an instance of the data within the class. Indexes can be used to identify the instances of a data class. These indexes are referred to as the OID suffix.

The assignment of values for each OID prefix component can be illustrated by using a tree structure. The following is an example of an OID assignment:

**ROOT**

- CCITT(0)
- ISO(**1**)
  - ORG(**3**)
    - DOD(**6**)
      - INTERNET(**1**)
        - MGMT(2)
          - MIB(1)
        - EXPERIMENTAL(3)
        - PRIVATE(**4**)
          - ENTERPRISES(**1**)
            - DELL(**674**)
        - SNMPv2(6)

In the preceding example, the OID prefix for the Dell enterprise would be 1.3.6.1.4.1.674.

The numbers in boldface type show the categories and numbers that apply to Server Administrator. All Server Administrator-defined OIDs consist of 1.3.6.1.4.1.674 followed by additional component values.

## SNMP Security

SNMP version 1 has a very limited security mechanism. SNMP agents support the use of a community string, which is configured at each SNMP agent and is passed as a part of all SNMP request messages. There is no verification that the requester is actually a member of the specified community.

Because most system and network management data is not confidential, this limited security is acceptable for Get types of requests. On the other hand, this security is not acceptable for Set types of operations where an SNMP request could power off a system, reconfigure a redundant array of independent disks (RAID) card, and so on. Some vendors have chosen not to support SNMP Set operations for this reason. Server Administrator is able to support SNMP Set operations because its

SNMP agents implement a hash/digest mechanism to prevent unauthorized SNMP Set operations. One limitation of this practice is that only server administrator-developed SNMP management applications have the capability to support the hash/digest mechanism.

**NOTE:** The default SNMP agent configuration usually includes a SNMP community name such as public. For security reasons, change the SNMP community names from their default values. For information about changing SNMP community names, see the *Dell OpenManage Server Administrator User's Guide*. This guide is available on the Dell Support website at **support.dell.com** and on the *Dell PowerEdge Installation and Server Management* and *Dell PowerEdge Documentation* CDs. For additional guidelines, see the Securing an SNMP Environment article, dated May 2003, in the Dell Power Solutions magazine. This magazine is also available at **www.dell.com/powersolutions**.

**NOTE:** In Dell OpenManage Server Administrator version 5.2, SNMP Set operations are disabled by default. Server Administrator provides support to enable or disable SNMP Set operations. For more information on enabling or disabling SNMP Set operations in Server Administrator, see the *Dell OpenManage Server Administrator User's Guide* or the *Dell OpenManage Server Administrator Command Line Interface User's Guide*.

### Management Actions

Management actions can be performed using the SNMP Set command. These actions can consist of configuring a phone number for the system's owner, rebooting a system, or changing the asset tag of the system. See the previous section, "SNMP Security," for limitations on Set operations.

### SNMP Traps

SNMP is frequently used to monitor systems for fault conditions such as temperature violations, hard drive failures, and so on. 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 is dependent 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.

For a list of traps supported by the server administrator SNMP subagent, see "Traps."

# 2

# Instrumentation MIB Version Group

The Instrumentation Management Information Base (MIB) Version Group defines the attributes that identify the version of the Instrumentation MIB supported by the systems management software.

The mIBMajorVersionNumber, mIBMinorVersionNumber, and mIBMaintenanceVersionNumber attributes are scalar objects, meaning that they are not related to other MIB objects and are thus not placed in a table.

## MIB Major Version Number

| | |
|---|---|
| **Name** | `mIBMajorVersionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1.1.0 |
| **Description** | Defines the major version number of the version of this MIB supported by the systems management software. For example, if the MIB version is 1.2.3, the major version number is 1.<br>A major version number change indicates a major change in object functionality. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

## MIB Minor Version Number

| | |
|---|---|
| **Name** | `mIBMinorVersionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1.2.0 |
| **Description** | Defines the minor version number of the version of this MIB supported by the systems management software. For example, if the MIB version is 1.2.3, the minor version number is 2.<br>A minor revision provides additional support for new objects as well as problem fixes. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

## MIB Maintenance Version Number

| | |
|---|---|
| **Name** | `mIBMaintenanceVersionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1.3.0 |
| **Description** | Defines the maintenance version number for the version of this MIB supported by the systems management software. For example, if the MIB version is 1.2.3, the maintenance version number is 3. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

# 3

# Systems Management Software Group

The Systems Management Software Group allows users to see information about the standards and software that are supported by the agent of a particular managed computer chassis. The Systems Management Software Group classifies each computer chassis according to the systems management standard that the agent supports.

Additional objects define the universal resource locator (URL) of the systems management software and the language in which systems management information displays. Defining these objects enables users to manage a system using an internet browser. You can access Server Administrator using the secure hypertext transfer protocol (https) and a pre-assigned port number of 1311, or you can specify a port number of your own choosing.

**NOTE:** Using the **Software** → **Server Preferences** menu of Server Administrator, you can bind to either one IP address or to all IP addresses.

**NOTE:** To manage a system remotely using Server Administrator, type one of the following in the address field of your browser:

`https://<systemname>:<1311 or user specified port number>`

or

`https://<IP address>:<1311 or user specified port number>`

To manage a system locally using Server Administrator, type the following in the address field of your browser:

`https://localhost:<1311 or user-specified port number>`

## Systems Management Software

The following objects describe the fields for server administrator systems management information. The systems management software variables are scalar objects, meaning that they are not related to other management information base (MIB) objects and are thus not placed in a table.

### Systems Management Software Name

| | |
|---|---|
| **Name** | systemManagementSoftwareName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.1 |
| **Description** | Defines the systems management software product name. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Systems Management Software Version Number Name

| | |
|---|---|
| **Name** | systemManagementSoftwareVersionNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.2 |
| **Description** | Defines the version number of the systems management software. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Systems Management Software Build Number

| | |
|---|---|
| **Name** | systemManagementSoftwareBuildNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.3 |
| **Description** | Defines the build number of the systems management software. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Systems Management Software Description Name

| | |
|---|---|
| **Name** | systemManagementSoftwareDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.4 |
| **Description** | Defines the description of the systems management software. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Systems Management Software Supported Protocol

| | |
|---|---|
| **Name** | `systemManagementSoftwareSupportedProtocol` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.5 |
| **Description** | Defines the systems management standards (SNMP or CIM) supported by the systems management software. |
| **Syntax** | SMSSupportedTypes (See Table 3-1.) |
| **Access** | Read-only |

### Systems Management Software Preferred Protocol

| | |
|---|---|
| **Name** | `systemManagementSoftwarePreferredProtocol` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.6 |
| **Description** | Defines the preferred systems management standard for the systems management software. |
| **Syntax** | SMSSupportedTypes (See Table 3-1.) |
| **Access** | Read-only |

### Systems Management Software Update Level Name

| | |
|---|---|
| **Name** | `systemManagementSoftwareUpdateLevelName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.7 |
| **Description** | Defines the update level of the system management software. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Systems Management Software URL Name

| | |
|---|---|
| **Name** | `systemManagementSoftwareURLName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.8 |
| **Description** | Defines the universal resource locator (URL) of the systems management software. |
| **Syntax** | DisplayString (SIZE (0..1024)) |
| **Access** | Read-only |

### Systems Management Software Language Name

| | |
|---|---|
| **Name** | `systemManagementSoftwareLanguageName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.9 |
| **Description** | Defines the language of the systems management software. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-only |

### Systems Management Software Global Version Name

| | |
|---|---|
| **Name** | `systemManagementSoftwareGlobalVersionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.10 |
| **Description** | Defines the global version of the systems management software. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Systems Management Software Feature Flags

| | |
|---|---|
| **Name** | `systemManagementSoftwareFeatureFlags` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.11 |
| **Description** | Defines the features of the systems management software. |
| **Syntax** | SMSFeatureFlags (See Table 3-2) |
| **Access** | Read-only |

### Systems Management Software SNMP Agent Feature Flags

| | |
|---|---|
| **Name** | `systemManagementSoftwareSNMPAgentFeatureFlags` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.12 |
| **Description** | Defines the features of the SNMP agent software provided by the operating system. |
| **Syntax** | SMSSNMPAgentFeatureFlags (See Table 3-3) |
| **Access** | Read-only |

### Systems Management Software Manufacturer Name

| | |
|---|---|
| **Name** | systemManagementSoftwareManufacturerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.100.13 |
| **Description** | Defines the manufacturer of the systems management software. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Systems Management Software Variable Values

This section includes definitions of server administrator-specific variable values used in this section.

**Table 3-1. Systems Management Software Supported Standards**

| **Variable Name:** SMSSupportedTypes | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| supportsSNMP(1) | This system supports SNMP. |
| supportsDMI(2) | This system supports DMI. |
| supportsSNMPandDMI(3) | This system supports SNMP and DMI. |
| supportsCIMOM(4) | This system supports CIM. |
| supportsSNMPandCIMOM(5) | This system supports SNMP and CIM. |

**Table 3-2. Systems Management Software Feature Flags**

| **Variable Name:** SMSFeatureFlags | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| none(0) | The Systems Management Software features are not enabled. |
| webOneToOneManagementPreferred(1) | The web 1:1 management preferred feature is enabled. |

**Table 3-3. Systems Management Software SNMP Agent Feature Flags**

| **Variable Name:** `SMSSNMPAgentFeatureFlags` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The Systems Management Software SNMP agent features are not enabled. |
| `supportsSparseTables(1)` | The SNMP agent supports sparse tables. |

# 4

# System State Group

The Management Information Base (MIB) variables presented in this section enable you to track various attributes that describe the state of the critical components supported by your system. Components monitored under the System State Group include power supplies, AC power cords, AC power switches, and cooling devices, as well as temperature, fan, amperage, and voltage probes.

## System State Group Table

The System State Group defines objects in the System State MIB table.

### System State Table

The following object sets up the System State Table:

| | |
|---|---|
| **Name** | `systemStateTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10 |
| **Description** | Defines the System State Table. |
| **Syntax** | SEQUENCE OF SystemStateTableEntry |
| **Access** | Not accessible |

#### System State Table Entry

| | |
|---|---|
| **Name** | `systemStateTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1 |
| **Description** | Defines the System State Table entry. |
| **Syntax** | SystemStateTableEntry |
| **Access** | Not accessible |
| **Index** | systemStatechassisIndex |

### System State Chassis Index

| | |
|---|---|
| **Name** | systemStatechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System State Global System Status

| | |
|---|---|
| **Name** | systemStateGlobalSystemStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.2 |
| **Description** | Defines the global system status of all chassis being monitored by this instrumentation instance. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Chassis State

| | |
|---|---|
| **Name** | systemStateChassisState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.3 |
| **Description** | Defines the system state of this chassis. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### System State Chassis Status

| | |
|---|---|
| **Name** | systemStateChassisStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.4 |
| **Description** | Defines the system status of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Power Unit State Details

| | |
|---|---|
| **Name** | `systemStatePowerUnitStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.5 |
| **Description** | Defines the state of all power units in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific power unit. The first byte returned represents the state of the first power unit, the second byte returned represents the state of the second power unit, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Power Unit Status Redundancy

| | |
|---|---|
| **Name** | `systemStatePowerUnitStatusRedundancy` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.6 |
| **Description** | Defines the system status of the power unit(s) in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Power Unit Status Details

| | |
|---|---|
| **Name** | `systemStatePowerUnitStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.7 |
| **Description** | Defines the status of all power units in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific power unit. The first byte returned represents the status of the first power unit, the second byte returned represents the status of the second power unit, and so on. The bytes have the same definition type as DellStatusRedundancy. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Power Supply State Details

| | |
|---|---|
| **Name** | `systemStatePowerSupplyStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.8 |
| **Description** | Defines the state of all power supplies in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific power supply. The first byte returned represents the state of the first power supply, the second byte returned represents the state of the second power supply, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Power Supply Status Combined

| | |
|---|---|
| **Name** | `systemStatePowerSupplyStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.9 |
| **Description** | Defines the status of all power supplies in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Power Supply Status Details

| | |
|---|---|
| **Name** | `systemStatePowerSupplyStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.10 |
| **Description** | Defines the status of all power supplies in this chassis. The results are returned as a binary octet string, Each byte of the octet string represents the status of a specific power supply. The first byte returned represents the status of the first power supply, the second byte returned represents the status of the second power supply, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Voltage State Details

| | |
|---|---|
| **Name** | systemStateVoltageStateDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.11 |
| **Description** | Defines the state of all voltage probes in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific voltage probe. The first byte returned represents the status of the first voltage probe, the second byte returned represents the status of the second voltage probe, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Voltage Status Combined

| | |
|---|---|
| **Name** | systemStateVoltageStatusCombined |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.12 |
| **Description** | Defines the status of all voltage probes in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Voltage Status Details

| | |
|---|---|
| **Name** | systemStateVoltageStatusDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.13 |
| **Description** | Defines the status of all voltage probes in this chassis. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Amperage State Details

| | |
|---|---|
| **Name** | `systemStateAmperageStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.14 |
| **Description** | Defines the state of all current probes in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific current probe. The first byte returned represents the state of the first current probe, the second byte returned represents the state of the second current probe, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Amperage Status Combined

| | |
|---|---|
| **Name** | `systemStateAmperageStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.15 |
| **Description** | Defines the status of all amperage probes in this chassis. The result is returned as a combined status value. The value has the same definition type as DellStatus. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Amperage Status Details

| | |
|---|---|
| **Name** | `systemStateAmperageStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.16 |
| **Description** | Defines the status of all amperage probes in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific amperage probe. The first byte returned represents the status of the first amperage probe, the second byte returned represents the status of the second amperage probe, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Cooling Unit State Details

| | |
|---|---|
| **Name** | `statesystemStateCoolingUnitStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.17 |
| **Description** | Defines the state of all cooling units in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific cooling unit. The first byte returned represents the state of the first cooling unit, the second byte returned represents the state of the second cooling unit, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Cooling Unit Status Redundancy

| | |
|---|---|
| **Name** | `systemStateCoolingUnitStatusRedundancy` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.18 |
| **Description** | Defines the state of all cooling units in this chassis. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### System State Cooling Unit State Details

| | |
|---|---|
| **Name** | `systemStateCoolingUnitstateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.19 |
| **Description** | Defines the state of all cooling units in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific cooling unit. The first byte returned represents the state of the first cooling unit, the second byte returned represents the state of the second cooling unit, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Cooling Device State Details

| | |
|---|---|
| **Name** | systemStateCoolingDeviceStateDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.20 |
| **Description** | Defines the state of all cooling devices in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific cooling device. The first byte returned represents the state of the first cooling device, the second byte returned represents the state of the second cooling device, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Cooling Device Status Combined

| | |
|---|---|
| **Name** | systemStateCoolingDeviceStatusCombined |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.21 |
| **Description** | This attribute defines the cooling device status of all cooling devices in this chassis. The results is returned as a combined status value. The value has the same definition type as DellStatus. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Cooling Device Status Details

| | |
|---|---|
| **Name** | systemStateCoolingDeviceStatusDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.22 |
| **Description** | Defines the status of all cooling devices in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific cooling device. The first byte returned represents the status of the first cooling device, the second byte returned represents the status of the second cooling device, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Temperature State Details

| | |
|---|---|
| **Name** | `systemStateTemperatureStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.23 |
| **Description** | Defines the state of all temperature probes in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of a specific temperature probe. The first byte returned represents the state of the first temperature probe, the second byte returned represents the status of the second temperature probe, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Temperature Status Combined

| | |
|---|---|
| **Name** | `systemStateTemperatureStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.24 |
| **Description** | Defines the status of all temperature probes in this chassis. The result is returned as a combined status value. The value has the same definition type as DellStatus. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Temperature Status Details

| | |
|---|---|
| **Name** | `systemStateTemperatureStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.25 |
| **Description** | Defines the status of all temperature probes in this chassis. The first byte returned represents the status of the first temperature probe, the second byte returned represents the status of the second temperature probe, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128) |
| **Access** | Read-only |

### System State Memory Device State Details

| | |
|---|---|
| **Name** | `systemStateMemoryDeviceStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.26 |
| **Description** | Defines the state of all memory devices in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the state of the specific memory device. The first byte returned represents the state of the first memory device, the second byte returned represents the status of the second memory device, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128) |
| **Access** | Read-only |

### System State Memory Device Status Combined

| | |
|---|---|
| **Name** | `systemStateMemoryDeviceStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.27 |
| **Description** | Defines the status of all memory devices in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Memory Device Status Details

| | |
|---|---|
| **Name** | `systemStateMemoryDeviceStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.28 |
| **Description** | Defines the status of all memory devices in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific memory device. The first byte returned represents the status of the first memory device, the second byte returned represents the status of the second memory device, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128) |
| **Access** | Read-only |

### System State Chassis Intrusion State Details

| | |
|---|---|
| **Name** | `systemStateChassisIntrusionStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.29 |
| **Description** | Defines the intrusion state of all intrusion detection devices in this chassis. The results are returned as a binary octet string. Each byte of the octet string represents the status of a specific intrusion detection device. The first byte returned represents the status of the first intrusion detection device, the second byte returned represents the status of the second intrusion detection device, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128) |
| **Access** | Read-only |

### System State Chassis Intrusion Status Combined

| | |
|---|---|
| **Name** | `systemStateChassisIntrusionStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.30 |
| **Description** | Defines the intrusion status of all intrusion detection devices in this chassis. The result is returned as a combined status value. The value has the same definition type as DellStatus. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Chassis Intrusion Status Details

| | |
|---|---|
| **Name** | `systemStateChassisIntrusionStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.31 |
| **Description** | Defines the intrusion status of all intrusion detection devices in this chassis. The first byte returned represents the status of the first intrusion detection device, the second byte returned represents the status of the second intrusion detection device, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State AC Power Switch State Details

| | |
|---|---|
| **Name** | systemStateACPowerSwitchStateDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.32 |
| **Description** | Defines the individual state of all AC power switches in this chassis. The first byte returned represents the state of the first AC power switch, the second byte returned represents the state of the second AC power switch, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State AC Power Switch Status Redundancy

| | |
|---|---|
| **Name** | systemStateACPowerSwitchStatusRedundancy |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.33 |
| **Description** | Defines the overall redundancy status of the AC power switches in this chassis. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### System State AC Power Switch Status Details

| | |
|---|---|
| **Name** | systemStateACPowerSwitchStatusDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.34 |
| **Description** | Defines the individual status of all AC power switches in this chassis. The first byte returned represents the status of the first AC power switch, the second byte returned represents the status of the second AC power switch, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State AC Power Cord State Details

| | |
|---|---|
| **Name** | systemStateACPowerCordStateDetails |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.35 |
| **Description** | Defines the individual state of all AC power cords for any AC power switches in this chassis. The first byte returned represents the state of the first AC power cord, the second byte returned represents the state of the second AC power cord, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State AC Power Cord Status Combined

| | |
|---|---|
| **Name** | `systemStateACPowerCordStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.36 |
| **Description** | Defines the overall status of all AC power cords for any AC power switches in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State AC Power Cord Status Details

| | |
|---|---|
| **Name** | `systemStateACPowerCordStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.37 |
| **Description** | Defines the individual status of all AC power cords for any AC power switches in this chassis. The first byte returned represents the status of the first AC power cord, the second byte returned represents the status of the second AC power cord, and so on. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Redundant Memory Unit State Details

| | |
|---|---|
| **Name** | `systemStateRedundantMemoryUnitStateDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.38 |
| **Description** | Defines the state of all redundant memory units in this chassis. The results are returned as a binary octet string, each byte of the octet string represents the state of the specific object. The first byte returned represents the state of the first object, and so on. The bytes have the same definition type as DellStateSettings. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Redundant Memory Unit Status Redundancy

| | |
|---|---|
| **Name** | `systemStateRedundantMemoryUnitStatusRedundancy` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.39 |
| **Description** | Defines the overall redundancy status for redundant memory. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### System State Redundant Memory Unit Status Details

| | |
|---|---|
| **Name** | `systemStateRedundantMemoryUnitStatusDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.40 |
| **Description** | Defines the status of all redundant memory units in this chassis. The results are returned as a binary octet string, each byte of the octet string represents the status of the specific object. The first byte returned represents the status of the first object, and so on. The bytes have the same definition type as DellStatusRedundancy. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Event Log Status

| | |
|---|---|
| **Name** | `systemStateEventLogStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.41 |
| **Description** | Defines the overall status of this chassis (ESM) event log. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Power Unit Status Combined

| | |
|---|---|
| **Name** | `systemStatePowerUnitStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.42 |
| **Description** | Defines the combined status of all power units of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Power Unit Status List

| | |
|---|---|
| **Name** | `systemStatePowerUnitStatusList` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.43 |
| **Description** | Lists the status of each power unit of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a power unit. The first byte returned represents the status of the first power unit, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Cooling Unit Status Combined

| | |
|---|---|
| **Name** | systemStateCoolingUnitStatusCombined |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.44 |
| **Description** | Defines the combined status of all cooling units of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Cooling Unit Status List

| | |
|---|---|
| **Name** | systemStateCoolingUnitStatusList |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.45 |
| **Description** | Lists the status of each cooling unit of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a cooling unit. The first byte returned represents the status of the first cooling unit, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State AC Power Switch Status Combined

| | |
|---|---|
| **Name** | systemStateACPowerSwitchStatusCombined |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.46 |
| **Description** | Defines the combined status of all AC power switches of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State AC Power Switch Status List

| | |
|---|---|
| **Name** | systemStateACPowerSwitchStatusList |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.47 |
| **Description** | Lists the status of each AC power switch of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of an AC power switch. The first byte returned represents the status of the first AC power switch, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Redundant Memory Unit Status Combined

| | |
|---|---|
| **Name** | `systemStateRedundantMemoryUnitStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.48 |
| **Description** | Defines the combined status of all redundant memory units of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Redundant Memory Unit Status List

| | |
|---|---|
| **Name** | `systemStateRedundantMemoryUnitStatusList` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.49 |
| **Description** | Lists the status of each redundant memory unit of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a redundant memory unit. The first byte returned represents the status of the first redundant memory unit, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Processor Device Status Combined

| | |
|---|---|
| **Name** | `systemStateProcessorDeviceStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.50 |
| **Description** | Defines the combined status of all processor devices of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Processor Device Status List

| | |
|---|---|
| **Name** | `systemStateProcessorDeviceStatusList` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.51 |
| **Description** | Lists the status of each processor device of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a processor device. The first byte returned represents the status of the first processor device, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

### System State Battery Status Combined

| | |
|---|---|
| **Name** | `systemStateBatteryStatusCombined` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.52 |
| **Description** | Defines the combined status of all batteries of this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System State Battery Status List

| | |
|---|---|
| **Name** | `systemStateBatteryStatusList` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.200.10.1.53 |
| **Description** | Lists the status of each battery of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a battery. The first byte returned represents the status of the first battery, and so on. The bytes have the same definition type as DellStatus. |
| **Syntax** | OCTET STRING (SIZE(1..128)) |
| **Access** | Read-only |

5

# Chassis Information Group

The Chassis Information Group provides information about the type or types of chassis in your system, as well as information about the light-emitting diode (LED) indicators and settings for devices on each chassis. Information is also available about the current date and time displayed on the chassis, intrusion warnings, watchdog timer, systems management basic input/output system (SMBIOS), and so on.

## Chassis Information Group Tables

The following management information base (MIB) tables define the objects in the Chassis Information Group:

- Chassis Information Table
- UUID Table
- POST Log Table
- Event Log Table
- System BIOS Table
- Firmware Table
- Intrusion Table
- Baseboard Table

### Chassis Information Table

The following object sets up the Chassis Information Table.

| | |
|---|---|
| **Name** | `chassisInformationTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10 |
| **Description** | Defines the chassis information table. |
| **Syntax** | SEQUENCE OF ChassisInformationTableEntry |
| **Access** | Not accessible |

### Chassis Information Table Entry

| | |
|---|---|
| **Name** | chassisInformationTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1 |
| **Description** | Defines the chassis information table entry. |
| **Syntax** | ChassisInformationTableEntry |
| **Access** | Not accessible |
| **Index** | chassisIndexChassisInformation |

### Chassis Index Chassis Information

| | |
|---|---|
| **Name** | chassisIndexChassisInformation |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. The first chassis will be numbered one. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Chassis State Capabilities

| | |
|---|---|
| **Name** | chassisStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.2 |
| **Description** | Defines the capabilities of the chassis. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Chassis State Settings

| | |
|---|---|
| **Name** | chassisStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.3 |
| **Description** | Defines the state settings for the chassis. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Chassis Status

| | |
|---|---|
| **Name** | chassisStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.4 |
| **Description** | Defines the status of the chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Chassis Parent Index Reference

| | |
|---|---|
| **Name** | chassisparentIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.4 |
| **Description** | Defines the index (one-based) of the parent chassis of this chassis, if any. A zero (0) means that this chassis is the parent of all other chassis managed by the Server Administrator. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Chassis Type

| | |
|---|---|
| **Name** | chassisType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.6 |
| **Description** | Defines the chassis type. |
| **Syntax** | DellChassisType (See Table 5-2.) |
| **Access** | Read-only |

### Chassis Name

| | |
|---|---|
| **Name** | chassisName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.7 |
| **Description** | Defines the user-assigned chassis name of the chassis. |
| **Syntax** | DellString |
| **Access** | Read-write |

### Chassis Manufacturer Name

| | |
|---|---|
| **Name** | chassisManufacturerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.8 |
| **Description** | Defines the manufacturer's name for this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Chassis Model Name

| | |
|---|---|
| **Name** | chassisModelName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.9 |
| **Description** | Defines the system model type for this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Chassis Asset Tag Name

| | |
|---|---|
| **Name** | chassisAssetTagName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.10 |
| **Description** | Defines the user-assigned asset tag name for this chassis. |
| **Syntax** | DisplayString (SIZE (0..10)) |
| **Access** | Read-write |

### Chassis Service Tag Name

| | |
|---|---|
| **Name** | chassisServiceTagName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.11 |
| **Description** | Defines the service tag name for this chassis. |
| **Syntax** | DisplayString (SIZE (0..7)) |
| **Access** | Read-only |

### Chassis ID

| | |
|---|---|
| **Name** | chassisID |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.12 |
| **Description** | Defines the asset tag name for this chassis. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### Chassis ID Extension

| | |
|---|---|
| **Name** | chassisIDExtension |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.13 |
| **Description** | Defines the SMBIOS machine ID of this chassis. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Chassis System Class

| | |
|---|---|
| **Name** | chassisSystemClass |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.14 |
| **Description** | Defines the chassis class of this chassis. |
| **Syntax** | DellChassisSystemClass (See Table 5-20.) |
| **Access** | Read-only |

### Chassis System Name

| | |
|---|---|
| **Name** | chassisSystemName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.15 |
| **Description** | Defines the system name of this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Chassis System Boot Date Name

| | |
|---|---|
| **Name** | chassisSystemBootDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.16 |
| **Description** | Defines the boot time of this system. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

### Chassis System Date Name

| | |
|---|---|
| **Name** | chassisSystemDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.17 |
| **Description** | Defines the current time on this system. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

### Chassis System Location Name

| | |
|---|---|
| **Name** | chassisSystemLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.18 |
| **Description** | Defines the user-assigned location for this chassis. |
| **Syntax** | DellString |
| **Access** | Read-write |

### Chassis System Primary User Name

| | |
|---|---|
| **Name** | chassisSystemPrimaryUserName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.19 |
| **Description** | Defines the user-assigned primary user name for this chassis. |
| **Syntax** | DellString |
| **Access** | Read-write |

### Chassis System User Phone Number Name

| | |
|---|---|
| **Name** | chassisSystemUserPhoneNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.20 |
| **Description** | Defines the user-assigned phone number of the primary user of the system. |
| **Syntax** | DellString |
| **Access** | Read-write |

### Chassis Connection Status Unique

| | |
|---|---|
| **Name** | chassisConnectionStatusUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.21 |
| **Description** | Defines the status of the connection from the system chassis to an expansion chassis. |
| **Syntax** | DellConnectionStatus (See Table 5-3.) |
| **Access** | Read-only |

### Chassis Fan Control Capabilities Unique

| | |
|---|---|
| **Name** | chassisFanControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.22 |
| **Description** | Defines the capabilities of the fan control function in this chassis. |
| **Syntax** | DellFanControlCapabilities (See Table 5-4.) |
| **Access** | Read-only |

### Chassis Fan Control Settings Unique

| | |
|---|---|
| **Name** | chassisFanControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.23 |
| **Description** | Defines the readings and settings of the fan control hardware in the chassis. |
| **Syntax** | DellFanControlSettings |
| **Access** | Read-write |

### Chassis LED Control Capabilities Unique

| | |
|---|---|
| **Name** | `chassisLEDControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.24 |
| **Description** | Defines the capabilities of the LED control function in the chassis. |
| **Syntax** | DellLEDControlCapabilities (See Table 5-5.) |
| **Access** | Read-only |

### Chassis LED Control Settings Unique

| | |
|---|---|
| **Name** | `chassisLEDControlSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.25 |
| **Description** | Defines the readings and settings of the LED control hardware in the chassis. |
| **Syntax** | DellLEDControlSettings (See Table 5-6.) |
| **Access** | Read-write |

### Chassis Hard-Drive (HD) Fault Clear Control Capabilities

| | |
|---|---|
| **Name** | `chassisHDFaultClearControlCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.26 |
| **Description** | Specifies whether the chassis allows reset of the chassis hard-drive fault LED. |
| **Syntax** | DellHDFaultLEDControlCapabilities (See Table 5-7.) |
| **Access** | Read-only |

### Chassis HD Fault Clear Control Settings

| | |
|---|---|
| **Name** | `chassisHDFaultClearControlSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.27 |
| **Description** | Allows reset of the chassis hard-drive fault LED. |
| **Syntax** | DellHDFaultLEDControlSettings (See Table 5-8.) |
| **Access** | Read-write |

### Chassis Identify Flash Control Capabilities

| | |
|---|---|
| **Name** | `chassisIdentifyFlashControlCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.28 |
| **Description** | Specifies whether the chassis front-panel LED can be set to flash. |
| **Syntax** | DellChassisIdentifyControlCapabilities (See Table 5-9.) |
| **Access** | Read-only |

### Chassis Identify Flash Control Settings

| | |
|---|---|
| **Name** | `chassisIdentifyFlashControlSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.29 |
| **Description** | Causes the chassis front-panel LED to flash. |
| **Syntax** | DellChassisIdentifyControlSettings (See Table 5-10.) |
| **Access** | Read-write |

### Chassis Lock Present

| | |
|---|---|
| **Name** | `chassisLockPresent` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.30 |
| **Description** | Specifies whether a chassis lock is present on the chassis. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Chassis Host Control Capabilities Unique

| | |
|---|---|
| **Name** | `chassishostControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.31 |
| **Description** | Defines the capabilities of the host control object. |
| **Syntax** | DellHostControlCapabilities (See Table 5-11.) |
| **Access** | Read-only |

### Chassis Host Control Settings Unique

| | |
|---|---|
| **Name** | chassishostControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.32 |
| **Description** | Defines the current settings of the host control object. |
| **Syntax** | DellHostControlSettings (See Table 5-12.) |
| **Access** | Read-write |

### Chassis Watchdog Control Capabilities Unique

| | |
|---|---|
| **Name** | chassiswatchDogControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.33 |
| **Description** | Defines the capabilities of the watchdog timer object. |
| **Syntax** | DellWatchDogControlCapabilities (See Table 5-13.) |
| **Access** | Read-only |

### Chassis Watchdog Control Settings Unique

| | |
|---|---|
| **Name** | chassiswatchDogControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.34 |
| **Description** | Defines the current settings and the values allowed to be set for the watchdog timer object. |
| **Syntax** | DellWatchDogControlCapabilities (See Table 5-13.) |
| **Access** | Read-write |

### Chassis Watchdog Control Expiry Time Capabilities Unique

| | |
|---|---|
| **Name** | chassiswatchDogControlExpiryTimeCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.35 |
| **Description** | Defines the capabilities of the watchdog expiry timer object. |
| **Syntax** | DellWatchDogTimerCapabilities (See Table 5-13.) |
| **Access** | Read-only |

### Chassis Watchdog Control Expiry Time

| | |
|---|---|
| **Name** | chassiswatchDogControlExpiryTime |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.36 |
| **Description** | Defines the current reading and allows setting of the nonrecoverable watchdog expiry timer object. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-write |

### Chassis Allow Set Commands From SNMP

| | |
|---|---|
| **Name** | chassisallowSETCommandsfromSNMP |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.37 |
| **Description** | Specifies whether Simple Network Management Protocol (SNMP) **Set** type commands are allowed by Server Administrator.<br>This attribute does not reflect whether SNMP Set type commands are allowed by the SNMP master agent. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Chassis Power Button Control Capabilities Unique

| | |
|---|---|
| **Name** | chassisPowerButtonControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.38 |
| **Description** | Defines the capabilities of the power button control function. |
| **Syntax** | DellPowerButtonControlCapabilities (See Table 5-16) |
| **Access** | Read-only |

### Chassis Power Button Control Settings Unique

| | |
|---|---|
| **Name** | chassisPowerButtonControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.39 |
| **Description** | Defines the current reading and allows setting of the power button control hardware. |
| **Syntax** | DellPowerButtonControlSettings (See Table 5-17) |
| **Access** | Read-write |

### Chassis Reseller Name

| | |
|---|---|
| **Name** | chassisResellerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.40 |
| **Description** | Defines the name of the chassis reseller. |
| **Syntax** | DisplayString (SIZE (0..128)) |
| **Access** | Read-only |

### Chassis Reseller Contact Information Name

| | |
|---|---|
| **Name** | chassisResellerContactInformationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.41 |
| **Description** | Defines the chassis reseller contact information name. |
| **Syntax** | DisplayString (SIZE (0..128)) |
| **Access** | Read-only |

### Chassis Reseller Product Name

| | |
|---|---|
| **Name** | chassisResellerProductName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.42 |
| **Description** | Defines the chassis reseller product name. |
| **Syntax** | DisplayString (SIZE (0..128)) |
| **Access** | Read-only |

### Chassis Reseller System ID

| | |
|---|---|
| **Name** | chassisResellerSystemID |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.43 |
| **Description** | Defines the chassis reseller system ID. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

#### Chassis NMI Button Control Capabilities Unique

| | |
|---|---|
| **Name** | chassisNMIButtonControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.44 |
| **Description** | Defines the capabilities of the NMI button control function. |
| **Syntax** | DellNMIButtonControlCapabilities (See Table 5-18) |
| **Access** | Read-only |

#### Chassis NMI Button Control Settings Unique

| | |
|---|---|
| **Name** | chassisNMIButtonControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.10.1.45 |
| **Description** | Defines the current reading and allows setting of the NMI button control hardware. |
| **Syntax** | DellNMIButtonControlSettings (See Table 5-19) |
| **Access** | Read-write |

### UUID Table

These objects comprise the server administrator definitions for the Universal Unique Identifier (UUID).

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

#### UUID Table Entry

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

### UUID Chassis Index

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

### UUID Index

| | |
|---|---|
| **Name** | uUIDIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.20.1.2 |
| **Description** | Defines the index of the UUID in a specified chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### UUID Type

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

### UUID Value

| | |
|---|---|
| **Name** | uUIDValue |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.20.1.4 |
| **Description** | Defines the value of the UUID for this chassis. |
| **Syntax** | OCTET STRING (SIZE(16)) |
| **Access** | Read-only |

## POST Log Table

This section defines attributes for the power-on self-test (POST) log. When you turn on your computer, the POST checks various system components before the operating system loads. The POST tests the random-access memory (RAM), the hard drives, and the keyboard, for example. While the POST is running, it makes a log file that system administrators can view. The variables in this section also contribute to managing the POST log.

| | |
|---|---|
| **Name** | `postLogTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30 |
| **Description** | Defines the POST Log Table. |
| **Syntax** | SEQUENCE OF PostLogTableEntry |
| **Access** | Not accessible |

### POST Log Table Entry

| | |
|---|---|
| **Name** | `postLogTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1 |
| **Description** | Defines the POST Log Table entry. |
| **Syntax** | PostLogTableEntry |
| **Access** | Not accessible |
| **Index** | postLogchassisIndex, postLogRecordIndex |

### POST Log Chassis Index

| | |
|---|---|
| **Name** | `postLogchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### POST Log Record Index

| | |
|---|---|
| **Name** | `postLogRecordIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.2 |
| **Description** | Defines the record number (one-based) of the POST log. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### POST Log State Capabilities Unique

| | |
|---|---|
| **Name** | `postLogStateCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.3 |
| **Description** | Defines the capabilities of the object that is writing the POST log. |
| **Syntax** | DellStateCapabilitiesLogUnique |
| **Access** | Read-only |

### POST Log State Settings Unique

| | |
|---|---|
| **Name** | `postLogStateSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.4 |
| **Description** | Defines the state of the object that is writing the POST log. |
| **Syntax** | DellStateSettingsLogUnique |
| **Access** | Read-write |

### POST Log Record

| | |
|---|---|
| **Name** | `postLogRecord` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.5 |
| **Description** | Defines the data for the specified chassis and record index in the POST log being returned. |
| **Syntax** | DisplayString (SIZE (0..1024)) |
| **Access** | Read-only |

### POST Log Format

| | |
|---|---|
| **Name** | `postLogFormat` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.30.1.5 |
| **Description** | Defines format of the POST log. |
| **Syntax** | DellLogFormat (See Table 5-1.) |
| **Access** | Read-only |

## Event Log Table

| | |
|---|---|
| **Name** | `eventLogTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40 |
| **Description** | Defines the Event Log Table. |
| **Syntax** | SEQUENCE OF EventLogTableEntry |
| **Access** | Not accessible |

### Event Log Table Entry

| | |
|---|---|
| **Name** | `eventLogTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1 |
| **Description** | Defines the event Log Table Entry. |
| **Syntax** | EventLogTableEntry |
| **Access** | Not accessible |
| **Index** | eventLogchassisIndex,eventLogRecordIndex |

### Event Log Chassis Index

| | |
|---|---|
| **Name** | `eventLogchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Event Log Record Index

| | |
|---|---|
| **Name** | `eventLogRecordIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.2 |
| **Description** | Defines the record index of the event log. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Event Log State Capabilities Unique

| | |
|---|---|
| **Name** | `eventLogStateCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.3 |
| **Description** | Defines the capabilities of the object that is writing the event log. |
| **Syntax** | DellStateCapabilitiesLogUnique |
| **Access** | Read-only |

### Event Log State Settings Unique

| | |
|---|---|
| **Name** | `eventLogStateSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.4 |
| **Description** | Defines the state settings for the object that is writing the event log. |
| **Syntax** | DellStateSettingsLogUnique |
| **Access** | Read-write |

### Event Log Record

| | |
|---|---|
| **Name** | `eventLogRecord` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.5 |
| **Description** | Defines the data for the specified chassis and log record index in the event log being returned. |
| **Syntax** | DisplayString (SIZE (0..1024)) |
| **Access** | Read-only |

### Event Log Format

| | |
|---|---|
| **Name** | `eventLogFormat` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.6 |
| **Description** | Defines the format of the event log. |
| **Syntax** | DellLogFormat (See Table 5-1.) |
| **Access** | Read-only |

#### Event Log Severity Status

| | |
|---|---|
| **Name** | `eventLogSeverityStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.7 |
| **Description** | Defines the severity of the event log record. |
| **Syntax** | DellStatus |
| **Access** | Read-only |
| **Status** | Mandatory |

#### Event Log Date Name

| | |
|---|---|
| **Name** | `eventLogDateName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.40.1.8 |
| **Description** | Defines the date and time of the event log record. |
| **Syntax** | DellDateName |
| **Access** | Read-only |
| **Status** | Mandatory |

### System BIOS Table

This table lists objects that define the system's basic input/output system (BIOS).

| | |
|---|---|
| **Name** | `systemBIOSTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50 |
| **Description** | Defines the System BIOS Table. |
| **Syntax** | SEQUENCE OF SystemBIOSTableEntry |
| **Access** | Not accessible |

#### System BIOS Table Entry

| | |
|---|---|
| **Name** | `systemBIOSTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1 |
| **Description** | Defines the System BIOS Table entry. |
| **Syntax** | SystemBIOSTableEntry |
| **Access** | Not accessible |
| **Index** | systemBIOSchassisIndex,systemBIOSIndex |

### System BIOS Chassis Index

| | |
|---|---|
| **Name** | systemBIOSchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System BIOS Index

| | |
|---|---|
| **Name** | systemBIOSIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.2 |
| **Description** | Defines the index (one-based) of the system BIOS of this object. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System BIOS State Capabilities

| | |
|---|---|
| **Name** | systemBIOSStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.3 |
| **Description** | Defines the capabilities of the system BIOS of this object. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System BIOS State Settings

| | |
|---|---|
| **Name** | systemBIOSStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.4 |
| **Description** | Defines the state of the system BIOS of this object. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System BIOS Status

| | |
|---|---|
| **Name** | systemBIOSStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.5 |
| **Description** | Defines the status of the system BIOS of this object. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System BIOS Size

| | |
|---|---|
| **Name** | systemBIOSSize |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.6 |
| **Description** | Defines the image size of the system BIOS in kilobytes (KB). A zero (0) indicates that the image size of the BIOS is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System BIOS Release Date Name

| | |
|---|---|
| **Name** | systemBIOSReleaseDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.7 |
| **Description** | Defines the release date of the system BIOS. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

### System BIOS Version Name

| | |
|---|---|
| **Name** | systemBIOSVersionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.8 |
| **Description** | Defines the version name of the system BIOS. |
| **Syntax** | DellString |
| **Access** | Read-only |

### System BIOS Starting Address

| | |
|---|---|
| **Name** | systemBIOSStartingAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.9 |
| **Description** | Defines the starting address of the system BIOS. A zero (0) indicates that the address is unknown. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System BIOS Ending Address

| | |
|---|---|
| **Name** | systemBIOSEndingAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.10 |
| **Description** | Defines the ending address of the system BIOS. A zero (0) indicates that the address is unknown. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System BIOS Manufacturer Name

| | |
|---|---|
| **Name** | systemBIOSManufacturerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.11 |
| **Description** | Defines the system BIOS manufacturer's name. |
| **Syntax** | DellString |
| **Access** | Read-only |

### System BIOS Characteristics

**Name** `systemBIOSCharacteristics`

**Object ID** 1.3.6.1.4.1.674.10892.1.300.50.1.12

**Description** Defines characteristics of the system BIOS. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one). Bit 63 is the first bit in the value, and bit 0 is the last bit in the value. See the description of DellUnsigned64BitRange at the beginning of this file for more information on the format of the value.

Bits 48-63 need to be examined in the context of the system ID. The system ID is available in the attribute chassisID. If the value for chassisID is non-zero, bits 48-63 have the meaning defined below:

| Bit Position | Meaning if Set |
|---|---|
| Bit 0 | Reserved |
| Bit 1 | Reserved |
| Bit 2 | Unknown |
| Bit 3 | BIOS Characteristics Not Supported |
| Bit 4 | ISA is supported |
| Bit 5 | MCA is supported |
| Bit 6 | EISA is supported |
| Bit 7 | PCI is supported |
| Bit 8 | PC Card (PCMCIA) is supported |
| Bit 9 | Plug and Play is supported |
| Bit 10 | APM is supported |
| Bit 11 | BIOS is Upgradeable (Flash) |
| Bit 12 | BIOS shadowing is allowed |
| Bit 13 | VL-VESA is supported |
| Bit 14 | ESCD support is available |
| Bit 15 | Boot from CD is supported |
| Bit 16 | Selectable Boot is supported |
| Bit 17 | BIOS ROM is socketed |
| Bit 18 | Boot From PC Card (PCMCIA) is supported |
| Bit 19 | EDD (Enhanced Disk Drive) Specification is supported |
| Bit 20 | Int 13h - Japanese Floppy for NEC 9800 1.2mb (3.5 in, 1k Bytes/Sector, 360 RPM) is supported |
| Bit 21 | Int 13h - Japanese Floppy for Toshiba 1.2mb (3.5 in, 360 RPM) is supported |
| Bit 22 | Int 13h - 5.25 in / 360 KB Floppy Services are supported |
| Bit 23 | Int 13h - 5.25 in /1.2MB Floppy Services are supported |
| Bit 24 | Int 13h - 3.5 in / 720 KB Floppy Services are supported |
| Bit 25 | Int 13h - 3.5 in / 2.88 MB Floppy Services are supported |
| Bit 26 | Int 5h, Print Screen Service is supported |
| Bit 27 | Int 9h, 8042 Keyboard services are supported |
| Bit 28 | Int 14h, Serial Services are supported |

**Name** `systemBIOSCharacteristics`

**Description**

| Bit Position | Meaning if Set |
|---|---|
| Bit 29 | Int 17h, Printer Services are supported |
| Bit 30 | Int 10h, CGA/Mono Video Services are supported |
| Bit 31 | NEC PC-98 |
| Bit 32-47 | Reserved |
| Bit 48 | Built-in NIC supports Magic Packet |
| Bit 49 | System supports Wake-on-LAN |
| Bit 50 | System supports chassis intrusion |
| Bit 51 | Built-in NIC supports pattern-matching |
| Bit 52 | System BIOS supports a 7-character service tag |
| Bit 53-63 | Reserved |

**Syntax** DellUnsigned64BitRange

### System BIOS Characteristics Ext 1

**Name** `systemBIOSCharacteristicsExt1`

**Object ID** 1.3.6.1.4.1.674.10892.1.300.50.1.13

**Description** Defines additional characteristics of the system basic input/output system (BIOS). This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).

| Bit Position | Meaning if Set |
|---|---|
| Bit 0 | ACPI supported |
| Bit 1 | USB Legacy is supported |
| Bit 2 | AGP is supported |
| Bit 3 | I2O boot is supported |
| Bit 4 | LS-120 boot is supported |
| Bit 5 | ATAPI ZIP Drive boot is supported |
| Bit 6 | 1394 boot is supported |
| Bit 7 | Smart Battery supported |

**Syntax** DellUnsigned8BitRange

**Access** Read-only

### System BIOS Characteristics Ext 2

| | |
|---|---|
| **Name** | `systemBIOSCharacteristicsExt2` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.50.1.14 |
| **Description** | Defines additional characteristics of the system BIOS. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one). |

| Bit Position | Meaning if Set |
|---|---|
| Bit 0 | BIOS Boot Specification supported |
| Bit 1 | Function key-initiated Network Service boot supported |
| Bit 2 | Targeted Content Distribution supported |
| Bit 3-7 | Reserved |

| | |
|---|---|
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

## Firmware Table

| | |
|---|---|
| **Name** | `firmwareTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60 |
| **Description** | Defines the Firmware Table. |
| **Syntax** | SEQUENCE OF FirmwareTableEntry |
| **Access** | Not accessible |

### Firmware Table Entry

| | |
|---|---|
| **Name** | `firmwareTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1 |
| **Description** | Defines the Firmware Table entry. |
| **Syntax** | FirmwareTableEntry |
| **Access** | Not accessible |
| **Index** | firmwarechassisIndex, firmwareIndex |

### Firmware Chassis Index

| | |
|---|---|
| **Name** | `firmwarechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Firmware Index

| | |
|---|---|
| **Name** | `firmwareIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.2 |
| **Description** | Defines the index (one-based) of the firmware in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Firmware State Capabilities

| | |
|---|---|
| **Name** | `firmwareStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.3 |
| **Description** | Defines the capabilities of the firmware states. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Firmware State Capabilities

| | |
|---|---|
| **Name** | `firmwareStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.4 |
| **Description** | Defines the state of the firmware and allows for the setting of the firmware. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Firmware Status

| | |
|---|---|
| **Name** | `firmwareStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.5 |
| **Description** | Defines the status of the firmware. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### Firmware Size

| | |
|---|---|
| **Name** | `firmwareSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.6 |
| **Description** | Defines the image size of the firmware in KB. A zero (0) indicates that the size is unknown. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Firmware Type

| | |
|---|---|
| **Name** | `firmwareType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.7 |
| **Description** | Defines the type of the firmware. |
| **Syntax** | DellFirmwareType |
| **Access** | Read-only |

### Firmware Type Name

| | |
|---|---|
| **Name** | `firmwareTypeName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.8 |
| **Description** | Defines the name of firmware type. |
| **Syntax** | DellString |
| **Access** | Read-only |

#### Firmware Update Capabilities

| | |
|---|---|
| **Name** | `firmwareUpdateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.9 |
| **Description** | Defines the bitmap of supported methods for firmware update. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

#### Firmware Date Name

| | |
|---|---|
| **Name** | `firmwareDateName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.10 |
| **Description** | Defines the date of the firmware. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

#### Firmware Version Name

| | |
|---|---|
| **Name** | `firmwareVersionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.60.1.11 |
| **Description** | Defines the version name of the firmware. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Intrusion Table

The following objects and attributes describe the different forms of chassis intrusion, a situation that occurs when the cover of a computer is removed.

| | |
|---|---|
| **Name** | `intrusionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70 |
| **Description** | Defines the Intrusion Table. |
| **Syntax** | SEQUENCE OF IntrusionTableEntry |
| **Access** | Not accessible |

### Intrusion Table Entry

| | |
|---|---|
| **Name** | `intrusionTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1 |
| **Description** | Defines the Intrusion Table entry. |
| **Syntax** | IntrusionTableEntry |
| **Access** | Not accessible |
| **Index** | intrusionchassisIndex, intrusionIndex |

### Intrusion Chassis Index

| | |
|---|---|
| **Name** | `intrusionchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Intrusion Index

| | |
|---|---|
| **Name** | `intrusionIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.2 |
| **Description** | Defines the index of the intrusion objects in this subgroup. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Intrusion State Capabilities

| | |
|---|---|
| **Name** | `intrusionStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.3 |
| **Description** | Defines the capabilities of the intrusion object. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Intrusion State Settings

| | |
|---|---|
| **Name** | `intrusionStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.4 |
| **Description** | Defines the settings of the intrusion object. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Intrusion Status

| | |
|---|---|
| **Name** | `intrusionStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.5 |
| **Description** | Defines the status of the intrusion object. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Intrusion Reading

| | |
|---|---|
| **Name** | `intrusionReading` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.6 |
| **Description** | Defines the reading of the intrusion object. |
| **Syntax** | DellIntrusionReading |
| **Access** | Read-only |

### Intrusion Type

| | |
|---|---|
| **Name** | `intrusionType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.7 |
| **Description** | Defines the type of the intrusion object. |
| **Syntax** | DellIntrusionType |
| **Access** | Read-only |

#### Intrusion Location Name

| | |
|---|---|
| **Name** | `intrusionLocationName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.70.1.8 |
| **Description** | Defines the location name of the intrusion object in this subgroup. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Table

This table lists objects that define the baseboard of a system.

| | |
|---|---|
| **Name** | `baseBoardTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80 |
| **Description** | Defines the Baseboard Table. |
| **Syntax** | SEQUENCE OF BaseBoardTableEntry |
| **Access** | Not accessible |

#### Baseboard Table Entry

| | |
|---|---|
| **Name** | `baseBoardTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1 |
| **Description** | Defines the Baseboard Table entry. |
| **Syntax** | BaseBoardTableEntry |
| **Access** | Not accessible |
| **Index** | baseBoardChassisIndex, baseBoardIndex |

#### Baseboard Chassis Index

| | |
|---|---|
| **Name** | `baseBoardChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Baseboard Index

| | |
|---|---|
| **Name** | `baseBoardIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.2 |
| **Description** | Defines the index (one-based) of the base board. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Baseboard State Capabilities

| | |
|---|---|
| **Name** | `baseBoardStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.3 |
| **Description** | Defines the state capabilities of the baseboard. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Baseboard State Settings

| | |
|---|---|
| **Name** | `baseBoardStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.4 |
| **Description** | Defines the state settings of the baseboard. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Baseboard Status

| | |
|---|---|
| **Name** | `baseBoardStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.5 |
| **Description** | Defines the status of the baseboard. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Baseboard Feature Flags

| | |
|---|---|
| **Name** | baseBoardFeatureFlags |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.6 |
| **Description** | Defines the features of the baseboard. |
| **Syntax** | DellBaseBoardFeatureFlags |
| **Access** | Read-only |

### Baseboard Type

| | |
|---|---|
| **Name** | baseBoardType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.7 |
| **Description** | Defines the type of the baseboard. |
| **Syntax** | DellBaseBoardType |
| **Access** | Read-only |

### Baseboard Type Name

| | |
|---|---|
| **Name** | baseBoardTypeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.8 |
| **Description** | Defines the name of the type of baseboard. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Location Name

| | |
|---|---|
| **Name** | baseBoardLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.9 |
| **Description** | Defines the location name of the baseboard. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Manufacturer Name

| | |
|---|---|
| **Name** | `baseBoardManufacturerName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.10 |
| **Description** | Defines the baseboard manufacturer's name. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Product Name

| | |
|---|---|
| **Name** | `baseBoardProductName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.11 |
| **Description** | Defines the baseboard product's name. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Version Name

| | |
|---|---|
| **Name** | `baseBoardVersionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.12 |
| **Description** | Defines the baseboard version name. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Baseboard Service Tag Name

| | |
|---|---|
| **Name** | `baseBoardServiceTagName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.13 |
| **Description** | Defines the baseboard service tag name. |
| **Syntax** | DellString |
| **Access** | Read-only |

#### Baseboard Piece Part ID (PPID) Name

| | |
|---|---|
| **Name** | `baseBoardPiecePartIDName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.14 |
| **Description** | Defines the baseboard PPID. |
| **Syntax** | DellString |
| **Access** | Read-only |

#### Baseboard Asset Tag Name

| | |
|---|---|
| **Name** | `baseBoardAssetTagName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.300.80.1.15 |
| **Description** | Defines the baseboard asset tag name. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Chassis Information Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 5-1. Log Format**

| **Variable Name:** `DellLogFormat` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `raw(1)` | The log is in the format received from the firmware. |
| `ascii(2)` | The log is in ASCII format. |
| `uniCode(3)` | The log is in Unicode format. |

**Table 5-2. Chassis Type**

| **Variable Name:** `DellChassisType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The chassis type is not one of the following: |
| `unknown(2)` | The chassis type is unknown. |
| `desktop(3)` | The chassis type is a desktop. |
| `lowProfileDesktop(4)` | The chassis type is a low-profile desktop. |
| `pizzaBox(5)` | The chassis type is a pizza box. |
| `miniTower(6)` | The chassis type is a minitower. |
| `tower(7)` | The chassis type is a tower. |
| `portable(8)` | The chassis type is a portable. |
| `lapTop(9)` | The chassis type is a laptop. |
| `noteBook(10)` | The chassis type is a notebook. |
| `handHeld(11)` | The chassis type is a handheld. |
| `dockingStation(12)` | The chassis type is a docking station. |
| `allInOne(13)` | The chassis type is an all-in-one. |
| `subNoteBook(14)` | The chassis type is a subnotebook. |
| `spaceSaving(15)` | The chassis type is a spacesaver. |
| `lunchBox(16)` | The chassis type is a lunch box. |
| `mainSystemChassis(17)` | The chassis type is the main system chassis. |
| `expansionChassis(18)` | The chassis type is an expansion chassis. |
| `subChassis(19)` | The chassis type is a subchassis. |
| `busExpansionChassis(20)` | The chassis type is a bus-expansion chassis. |
| `peripheralChassis(21)` | The chassis type is a peripheral chassis. |
| `raidChassis(22)` | The chassis type is a disk RAID chassis. |
| `rackMountChassis(23)` | The chassis type is a rack-mounted chassis. |
| `sealedCasePC(24)` | The chassis type is a sealed-case chassis. |
| `multiSystemChassis(25)` | The chassis type is a multisystem chassis. |

**Table 5-3. Connection Status**

| **Variable Name:** `DellConnectionStatus` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(2)` | The status of the chassis connection is unknown. |
| `ok(3)` | The status of the chassis connection is OK. |
| `failure(4)` | The status of the chassis connection is failure. |

**Table 5-4. Fan Control Capabilities**

| **Variable Name:** `DellFanControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The fan's capabilities are unknown. |
| `lowSpeedCapable(2)` | The fan can be set to low speed. |
| `highSpeedCapable(4)` | The fan can be set to high speed. |
| `lowOrHighSpeedCapable(6)` | The fan can be set to low or high speed. |

**Table 5-5. Front-Panel LED Control Capabilities**

| **Variable Name:** `DellLEDControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The LED control capabilities are unknown. |
| `alertOnErrorCapable(2)` | The LED control can be set to alert on an error condition. |
| `alertOnWarningAndErrorCapable(4)` | The LED control can be set to alert on an error and a warning condition. |
| `alertOnWarningOrErrorCapable(6)` | The LED control can be set to alert on an error or a warning condition. |

**Table 5-6. Front-Panel LED Control Settings**

| **Variable Name:** `DellLEDControlSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The LED control setting is unknown. |
| `alertOnError(2)` | The LED control is set to alert on an error condition. |
| `alertOnWarningAndError(4)` | The LED control is set to alert on an error or a warning condition. |

**Table 5-7. Hard-Drive Fault LED Control Capabilities**

| **Variable Name:** `DellHDFaultLEDControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The hard drive has no fault LED capabilities. |
| `unknownCapabilities(1)` | The hard-drive fault LED capabilities are unknown. |
| `enableCapable(2)` | The hard-drive fault LED can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReadyCapable(4)` | The hard-drive fault LED can indicate not ready. |
| `resetCapable(8)` | The hard-drive fault LED can be reset. |

**Table 5-8. Hard-Drive Fault LED Control Settings**

| **Variable Name:** `DellHDFaultLEDControlSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The LEDs do not have any fault settings capabilities. |
| `unknown(1)` | The hard-drive fault LEDs' state is unknown. |
| `enabled(2)` | The hard-drive fault LEDs' state is disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReady(4)` | The hard-drive fault LEDs' state is not ready. |
| `reset(8)` | The hard-drive fault LEDs have been reset. |
| `resetAndEnable(10)` | The hard-drive fault LEDs have been reset and enabled. |

**Table 5-9. Chassis Identification Control Capabilities**

| **Variable Name:** `DellChassisIdentifyControlCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The LEDs do not have any chassis identification capabilities. |
| `unknownCapabilities(1)` | The chassis identification control's capabilities are unknown. |
| `enableCapable(2)` | The chassis identification controls can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReadyCapable(4)` | The chassis identification control's capabilities are not ready. |
| `identifyCapable(8)` | The chassis identification control's LEDs can be made to identify the chassis. |

**NOTE:** Chassis identification capabilities allow system administrators to set front panel light-emitting diodes (LEDs) to blink when the chassis has malfunctioning components. When enabled, the blinking lights help administrators locate the problem chassis.

**Table 5-10. Chassis Identification Control Settings**

| **Variable Name:** `DellChassisIdentifyControlSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The chassis identification control's state is unknown. |
| `enabled(2)` | The chassis identification control's state is disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReady(4)` | The chassis identification control's state is not ready. |
| `identifyChassis(8)` | The chassis identification control's LEDs may be returned to (normal) 0, or (identify chassis) 1. |
| `identifyChassisAndEnable(10)` | The chassis identification control's LEDs may be returned to normal (a binary 0 value), or identify chassis and enabled (a binary 1 value). |

**Table 5-11. Host Control Capabilities**

**Variable Name:** `DellHostControlCapabilities`

**NOTE:** An operator can manually cause these actions using SNMP.

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `manualRebootCapable(1)` | The operator can reboot capable host. |
| `manualPowerOFFCapable(2)` | The operator can power off capable host. |
| `manualPowerCycleCapable(4)` | The operator can power-cycle capable host. |
| `manualAllExceptOperatingSystemShutdownCapable(7)` | The operator can reboot and power off capable host. |
| `manualOperatingSystemShutdownCapable(8)` | The operator can shut down the operating-system–shutdown capable host. |
| `manualFullyCapable(15)` | The operator can reboot, power on and off the power-cycle capable host, and shut down the operating-system–shutdown capable host. |

**Table 5-12. Host Control Settings**

**Variable Name:** `DellHostControlSettings`

**NOTE:** An operator can manually cause these actions using SNMP.

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `manualReboot(1)` | The operator can reboot the host. |
| `manualPowerOFF(2)` | The operator can power off the host. |
| `manualPowerCycle(4)` | Power cycle the host. |
| `manualOperatingSystemShutdown(8)` | The operator can shut down the operating system on the host. |
| `manualOperatingSystemShutdownThenReboot(9)` | The operator can shut down the operating system on the host then reboot. |
| `manualOperatingSystemShutdownThenPowerOFF(10)` | The operator can shut down the operating system on the host then power off machine. |
| `manualOperatingSystemShutdownThenPowerCycle(12)` | The operator can shut down the operating system on the host then power cycle machine. |

**Table 5-13. Watchdog Control Capabilities**

**Variable Name:** `DellWatchDogControlCapabilities`

**NOTE:** When the system determines that the operating system is not responding, it will automatically perform the selected action without operator intervention.

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `automaticRebootCapable(1)` | Watchdog controls can be set to reboot capable host. |
| `automaticPowerCycleCapable(2)` | Watchdog controls can be set to power cycleable capable host. |
| `automaticNotificationCapable(4)` | Watchdog controls can be set to notify capable host. |
| `automaticWatchDogTimerCapable(8)` | Watchdog controls can be set to function automatically. |
| `automaticPowerOffCapable(16)` | Watchdog controls can be set to automatically power off host. |
| `automaticAllExceptNotificationCapable(27)` | Watchdog controls can be set to automatically perform all functions except notification capable. |
| `automaticFullyCapable(31)` | Watchdog controls can be set to automatically perform all functions. |

**Table 5-14. Watchdog Control Settings**

**Variable Name:** `DellWatchControlSettings`

**NOTE:** The watchdog timer is the mechanism used by a chassis to determine if the operating system has stopped responding.

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `automaticRebootEnabled(1)` | Automatic reboot is enabled for this host. |
| `automaticPowerCycleEnabled(2)` | Automatic power cycleable is enabled for this host. |
| `automaticNotificationEnabled(4)` | Automatic notification is enabled for this host. |
| `automaticPowerOffEnabled(8)` | Automatic power off is enabled for this host. |

**Table 5-15. Watchdog Timer Capabilities**

| **Variable Name:** DellWatchDogTimerCapabilities | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| type1Capable(1) | Watchdog timer can time in intervals from 20–480 seconds. |
| type2Capable(2) | Watchdog timer can time in 30-, 60-, 120-, and 480-second intervals. |
| type3Capable(4) | Watchdog timer can time in 60-second intervals. |

**Table 5-16. Power Button Control Capabilities**

| **Variable Name:** DellPowerButtonControlCapabilities | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| none(0) | The power button has no capabilities. |
| unknownCapabilities(1) | The power button capabilities are unknown. |
| enableCapable(2) | The power button can be enabled (online) or disabled (offline). |

**Table 5-17. Power Button Control Settings**

| **Variable Name:** DellPowerButtonControlSettings | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| none(0) | The power button has no settings capabilities. |
| unknown(1) | The power button settings are unknown. |
| enabled(2) | The power button state is enabled. |
| disabled(4) | The power button state is disabled. |

**Table 5-18. NMI Button Control Capabilities**

| **Variable Name:** DellNMIButtonControlCapabilities<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| none(0) | The NMI button has no capabilities. |
| unknownCapabilities(1) | The NMI button capabilities are unknown. |
| enableCapable(2) | The NMI button can be enabled (online) or disabled (offline). |

**Table 5-19. NMI Button Control Settings**

| **Variable Name:** DellNMIButtonControlSettings<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| none(0) | The NMI button has no settings capabilities. |
| unknown(1) | The NMI button settings are unknown. |
| enabled(2) | The NMI button state is enabled. |
| disabled(4) | The NMI button state is disabled. |

**Table 5-20. Chassis System Class**

| **Variable Name:** DellChassisSystemClass<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| other(1) | The chassis system class is not one of the following: |
| unknown(2) | The chassis system class is unknown. |
| workstationClass(3) | The chassis system class is a workstation. |
| serverClass(4) | The chassis system class is a server. |
| desktopClass(5) | The chassis system class is a desktop. |
| portableClass(6) | The chassis system class is a portable. |
| netPCClass(7) | The chassis system class is a "Net PC." |
| storageClass(8) | The chassis system class is storage. |

**Table 5-21. Firmware Type**

| **Variable Name:** `DellFirmwareType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The firmware type is other than following values. |
| `unknown(2)` | The firmware type is unknown. |
| `systemBIOS(3)` | The firmware type is System BIOS |
| `embeddedSystemManagementController(4)` | The firmware type is Embedded System Management Controller. |
| `powerSupplyParallelingBoard(5)` | The firmware type is Power Supply Paralleling Board. |
| `systemBackPlane(6)` | The firmware type is System (Primary) Backplane. |
| `powerVault2XXSKernel(7)` | The firmware type is Dell™ PowerVault™ 2XXS Kernel. |
| `powerVault2XXSApplication(8)` | The firmware type is PowerVault 2XXS Application. |
| `frontPanel(9)` | The firmware type is Front Panel Controller. |
| `baseboardManagementController(10)` | The firmware type is Baseboard Management Controller. |
| `hotPlugPCI(11)` | The firmware type is Hot Plug Peripheral Component Interconnect (PCI) Controller. |
| `sensorData(12)` | The firmware type is Sensor Data Records. |
| `peripheralBay(13)` | The firmware type is Peripheral Bay Backplane. |
| `secondaryBackPlane(14)` | The firmware type is Secondary Backplane for ESM 2 systems. |
| `secondaryBackPlaneESM3And4(15)` | The firmware type is Secondary Backplane for ESM 3 and 4 systems. |
| `rac(16)` | The firmware type is Remote Access Controller. |

**Table 5-22. Baseboard Type**

| **Variable Name:** `DellBaseBoardType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The baseboard type is unknown. |
| `other(2)` | The baseboard type is not one of the following types. |
| `serverBlade(3)` | The baseboard type is a server blade. |
| `connectivitySwitch(4)` | The baseboard type is a connectivity switch. |
| `systemManagementModule(5)` | The baseboard type is a system management module. |
| `processorModule(6)` | The baseboard type is a processor module. |
| `ioModule(7)` | The baseboard type is an I/O module. |
| `memoryModule(8)` | The baseboard type is a memory module |
| `daughterBoard(9)` | The baseboard type is a daughter board. |
| `motherboard(10)` | The baseboard type is a mother board. |
| `processorMemoryModule(11)` | The baseboard type is a processor or memory module |
| `processorIOModule(12)` | The baseboard type is a processor or I/O module |
| `interconnectBoard(13)` | The baseboard type is an interconnect board. |

**Table 5-23. Baseboard Feature Flags**

| **Variable Name:** `DellBaseBoardFeatureFlags` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| **NOTE:** These values are bit fields, so combination values are possible. | |
| `no features(0)` | This baseboard has no feature flags. |
| `boardIsHostingBoard(1)` | This baseboard is a hosting board. |
| `boardRequiresDaughterBoard(2)` | This baseboard requires at least one daughter board or auxiliary card. |
| `boardIsRemovable(4)` | This baseboard is removable. |
| `boardIsReplaceable(8)` | This baseboard is replaceable. |
| `boardIsHotSwappable(16)` | This baseboard is hot swappable. |

6

# Operating System Group

The Operating System Group provides status and identifying information about a system's operating system. Identifying information includes the name, version, service pack, and patch level of the installed operating system.

## Operating System Group Table

The following management information base (MIB) tables define the objects in the Operating System Group:

- Operating System Table
- Operating System Memory Table

### Operating System Table

The following object sets up the Operating System Table.

| | |
|---|---|
| **Name** | `operatingSystemTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10 |
| **Description** | Defines the Operating System Table. |
| **Syntax** | SEQUENCE OF OperatingSystemTableEntry |
| **Access** | Not accessible |

#### Operating System Table Entry

| | |
|---|---|
| **Name** | `operatingSystemTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1 |
| **Description** | Defines the Operating System Table entry. |
| **Syntax** | OperatingSystemTableEntry |
| **Access** | Not accessible |
| **Index** | operatingSystemchassisIndex |

### Operating System Chassis Index

| | |
|---|---|
| **Name** | operatingSystemchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.1 |
| **Description** | Defines the index (one based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Operating System State Capabilities

| | |
|---|---|
| **Name** | operatingSystemStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.2 |
| **Description** | Defines the capabilities of the operating system. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Operating System State Settings

| | |
|---|---|
| **Name** | operatingSystemStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.3 |
| **Description** | Defines the state of the operating system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Operating System Status

| | |
|---|---|
| **Name** | operatingSystemStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.4 |
| **Description** | Defines the status of the operating system. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Operating System Is Primary

| | |
|---|---|
| **Name** | operatingSystemIsPrimary |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.5 |
| **Description** | Specifies whether this operating system is the primary operating system. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Operating System Name

| | |
|---|---|
| **Name** | operatingSystemOperatingSystemName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.6 |
| **Description** | Defines the name of the operating system running on the system. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-only |

### Operating System Version Name

| | |
|---|---|
| **Name** | operatingSystemOperatingSystemVersionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.10.1.7 |
| **Description** | Defines the version of the operating system running on the system. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-only |

## Operating System Memory Table

| | |
|---|---|
| **Name** | operatingSystemMemoryTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20 |
| **Description** | Defines the Operating System Memory Table. |
| **Syntax** | SEQUENCE OF OperatingSystemMemoryTableEntry |
| **Access** | Not accessible |

### Operating System Memory Table Entry

| | |
|---|---|
| **Name** | `operatingSystemTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1 |
| **Description** | Defines the Operating System Memory Table entry. |
| **Syntax** | OperatingSystemMemoryTableEntry |
| **Access** | Not accessible |
| **Index** | operatingSystemMemorychassisIndex |

### Operating System Memory Chassis Index

| | |
|---|---|
| **Name** | `operatingSystemMemorychassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Operating System Memory State Capabilities

| | |
|---|---|
| **Name** | `operatingSystemMemoryStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.2 |
| **Description** | Defines the capabilities of the operating system memory. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Operating System Memory State Settings

| | |
|---|---|
| **Name** | `operatingSystemMemoryStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.3 |
| **Description** | Defines the state and allows the setting of the operating system memory. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Operating System Memory Status

| | |
|---|---|
| **Name** | operatingSystemMemoryStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.4 |
| **Description** | Defines the status of the operating system memory. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Operating System Memory Total Physical Size

| | |
|---|---|
| **Name** | operatingSystemMemoryTotalPhysicalSize |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.5 |
| **Description** | Defines the total physical memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Operating System Memory Available Physical Size

| | |
|---|---|
| **Name** | operatingSystemMemoryAvailablePhysicalSize |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.6 |
| **Description** | Defines the available physical memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Operating System Memory Total Page File Size

| | |
|---|---|
| **Name** | operatingSystemMemoryTotalPageFileSize |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.7 |
| **Description** | Defines the total page file memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Operating System Memory Available Page File Size

| | |
|---|---|
| **Name** | `operatingSystemMemoryAvailablePageFileSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.8 |
| **Description** | Defines the available page file memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Operating System Memory Total Virtual Size

| | |
|---|---|
| **Name** | `operatingSystemMemoryTotalVirtualSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.9 |
| **Description** | Defines the total virtual memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Operating System Memory Available Virtual Size

| | |
|---|---|
| **Name** | `operatingSystemMemoryAvailableVirtualSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.400.20.1.10 |
| **Description** | Defines the available virtual memory size in bytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

7

# System Resource Group

The Management Information Base (MIB) variables presented in this section enable you to track various attributes of your system resources. This section includes System Resource Group Tables that track variables such as the owner, ports, system memory, interrupts, and direct memory access.

## System Resource Group Tables

The following MIB tables define objects for the System Resource Group:

- System Resource Map Table
- System Resource Owner Table
- System Resource Input/Output (I/O) Port Table
- System Resource Memory Table
- System Resource Interrupt Table
- System Resource Direct Memory Access (DMA) Table

### System Resource Map Table

| | |
|---|---|
| **Name** | `systemResourceMapTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10 |
| **Description** | Defines the System Resource Map Table. |
| **Syntax** | SEQUENCE OF SystemResourceMapTableEntry |
| **Access** | Not accessible |

#### System Resource Map Table Entry

| | |
|---|---|
| **Name** | `systemResourceMapTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1 |
| **Description** | Defines the System Resource Map Table entry. |
| **Syntax** | SystemResourceMapTableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceMapchassisIndex, systemResourceMapIndex |

### System Resource Map Chassis Index

| | |
|---|---|
| **Name** | systemResourceMapChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Map Index

| | |
|---|---|
| **Name** | systemResourceMapIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.2 |
| **Description** | Defines the index of system resource maps in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Map State Capabilities

| | |
|---|---|
| **Name** | systemResourceMapStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.3 |
| **Description** | Defines the capabilities of this system map. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System Resource Map State Settings

| | |
|---|---|
| **Name** | systemResourceMapStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.4 |
| **Description** | Defines the state and allows the setting of this system map. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System Resource Map Status

| | |
|---|---|
| **Name** | systemResourceMapStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.5 |
| **Description** | Defines the status of this system map. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Resource Map Type

| | |
|---|---|
| **Name** | systemResourceMapType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.10.1.6 |
| **Description** | Defines the type of this system map. |
| **Syntax** | DellSystemResourceMapType (See Table 7-1.) |
| **Access** | Read-only |

## System Resource Owner Table

| | |
|---|---|
| **Name** | systemResourceOwnerTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20 |
| **Description** | Defines the System Resource Owner Table. |
| **Syntax** | SEQUENCE OF SystemResourceOwnerTableEntry |
| **Access** | Not accessible |

### System Resource Owner Table Entry

| | |
|---|---|
| **Name** | systemResourceOwnerTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1 |
| **Description** | Defines the System Resource Owner Table entry. Variables in this group reference the System Resource Map index. |
| **Syntax** | SystemResourceOwnerTableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceOwnerchassisIndex, systemResourceOwnerIndex |

### System Resource Owner Chassis Index

| | |
|---|---|
| **Name** | systemResourceOwnerchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Owner Index

| | |
|---|---|
| **Name** | systemResourceOwnerIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.2 |
| **Description** | Defines the index of system resource owners for this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Owner State Capabilities

| | |
|---|---|
| **Name** | systemResourceOwnerStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.3 |
| **Description** | Defines the capabilities of this system resource owner. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System Resource Owner State Settings

| | |
|---|---|
| **Name** | systemResourceOwnerStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.4 |
| **Description** | Defines the state settings of this system resource owner. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System Resource Owner Status

| | |
|---|---|
| **Name** | `systemResourceOwnerStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.5 |
| **Description** | Defines the status of this system resource owner. |
| **Syntax** | DellStatus |
| **Access** | Read-write |

### System Resource Owner Interface Type

| | |
|---|---|
| **Name** | `systemResourceOwnerInterfaceType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.6 |
| **Description** | Defines the interface type for this system resource owner. |
| **Syntax** | DellResourceOwnerInterfaceType (See Table 7-2.) |
| **Access** | Read-only |

### System Resource Map Index Reference

| | |
|---|---|
| **Name** | `systemResourceMapIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.7 |
| **Description** | Defines the index to the associated system resource map in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Owner Description Name

| | |
|---|---|
| **Name** | `systemResourceOwnerDescriptionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.8 |
| **Description** | Defines the description name of the system resource owner. |
| **Syntax** | DellString |
| **Access** | Read-only |

### System Resource Owner Interface Instance

| | |
|---|---|
| **Name** | systemResourceOwnerInterfaceInstance |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.20.1.9 |
| **Description** | Defines the associated system resource owner interface instance in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

## System Resource Input/Output (I/O) Port Table

| | |
|---|---|
| **Name** | systemResourceIOPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30 |
| **Description** | Defines the System Resource I/O Port Table. |
| **Syntax** | SEQUENCE OF SystemResourceIOPortTableEntry |
| **Access** | Not accessible |

### System Resource I/O Port Table Entry

| | |
|---|---|
| **Name** | systemResourceIOPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1 |
| **Description** | Defines the System Resource I/O Port Table entry. |
| **Syntax** | SystemResourceIOPortTableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceIOPortchassisIndex, systemResourceIOPortIndex |

### System Resource I/O Port Chassis Index

| | |
|---|---|
| **Name** | systemResourceIOPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource I/O Port Index

| | |
|---|---|
| **Name** | `systemResourceIOPortIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.2 |
| **Description** | Defines the index (one-based) of the system resource I/O ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource I/O Port State Capabilities

| | |
|---|---|
| **Name** | `systemResourceIOPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.3 |
| **Description** | Defines the capabilities of the system resource I/O port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System Resource I/O Port State Settings

| | |
|---|---|
| **Name** | `systemResourceIOPortStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.4 |
| **Description** | Defines the state and allows the setting of the system resource I/O port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System Resource I/O Port Status

| | |
|---|---|
| **Name** | `systemResourceIOPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.5 |
| **Description** | Defines the status of the system resource I/O port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### System Resource I/O Port Owner Index Reference

| | |
|---|---|
| **Name** | `systemResourceIOPortOwnerIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.6 |
| **Description** | Defines the index to the associated system resource owner in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource I/O Port Share Disposition

| | |
|---|---|
| **Name** | `systemResourceIOPortShareDisposition` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.7 |
| **Description** | Defines the share disposition of the system resource I/O port. |
| **Syntax** | DellResourceShareDisposition (See Table 7-3.) |
| **Access** | Read-only |

### System Resource I/O Port Starting Address

| | |
|---|---|
| **Name** | `systemResourceIOPortStartingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.8 |
| **Description** | Defines the 64 bits of the starting address of the system resource I/O port. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System Resource I/O Port Ending Address

| | |
|---|---|
| **Name** | `systemResourceIOPortEndingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.30.1.9 |
| **Description** | Defines the 64 bits of the ending address of the system resource I/O port. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System Resource Memory Table

| | |
|---|---|
| **Name** | systemResourceMemoryTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40 |
| **Description** | Defines the System Resource Memory Table. |
| **Syntax** | SEQUENCE OF SystemResourceMemoryTableEntry |
| **Access** | Not accessible |

#### System Resource Memory Table Entry

| | |
|---|---|
| **Name** | systemResourceMemoryTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1 |
| **Description** | Defines the System Resource Memory Table entry. |
| **Syntax** | SystemResourceMemoryTableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceMemorychassisIndex, systemResourceMemoryIndex |

#### System Resource Memory Chassis Index

| | |
|---|---|
| **Name** | systemResourceMemorychassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### System Resource Memory Index

| | |
|---|---|
| **Name** | systemResourceMemoryIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.2 |
| **Description** | Defines the index of system resource memory in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Memory State Capabilities

| | |
|---|---|
| **Name** | systemResourceMemoryStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.3 |
| **Description** | Defines the capabilities of this system resource memory. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Memory State Settings

| | |
|---|---|
| **Name** | systemResourceMemoryStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.4 |
| **Description** | Defines the state of this system resource memory. |
| **Syntax** | DellObjectRange |
| **Access** | Read-write |

### System Resource Memory Status

| | |
|---|---|
| **Name** | systemResourceMemoryStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.5 |
| **Description** | Defines the status of this system resource memory. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Resource Memory Owner Index Reference

| | |
|---|---|
| **Name** | systemResourceMemoryOwnerIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.6 |
| **Description** | Defines the index to the associated system resource owner in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Memory Share Disposition

| | |
|---|---|
| **Name** | `systemResourceMemoryShareDisposition` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.7 |
| **Description** | Defines the share disposition of the system resource memory. |
| **Syntax** | DellResourceShareDisposition (See Table 7-3.) |
| **Access** | Read-only |

### System Resource Memory Starting Address

| | |
|---|---|
| **Name** | `systemResourceMemoryStartingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.8 |
| **Description** | Defines the 64 bits of the starting address of the system resource memory. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System Resource Memory Ending Address

| | |
|---|---|
| **Name** | `systemResourceMemoryEndingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.9 |
| **Description** | Defines the 64 bits of the ending address of the system resource memory. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### System Resource Memory Flags

| | |
|---|---|
| **Name** | `systemResourceMemoryFlags` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.40.1.10 |
| **Description** | Defines the permission flags for the system resource memory. |
| **Syntax** | DellResourceMemoryFlags (See Table 7-4.) |
| **Access** | Read-only |

### System Resource Interrupt Table

| | |
|---|---|
| **Name** | systemResourceInterruptTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50 |
| **Description** | Defines the System Resource Interrupt Table. |
| **Syntax** | SEQUENCE OF SystemResourceInterruptTableEntry |
| **Access** | Not accessible |

#### System Resource Interrupt Table Entry

| | |
|---|---|
| **Name** | systemResourceInterruptTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1 |
| **Description** | Defines the System Resource Interrupt Table entry. |
| **Syntax** | SystemResourceInterruptTableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceInterruptchassisIndex, systemResourceInterruptIndex |

#### System Resource Interrupt Chassis Index

| | |
|---|---|
| **Name** | systemResourceInterruptchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Not accessible |

#### System Resource Interrupt Index

| | |
|---|---|
| **Name** | systemResourceInterruptIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.2 |
| **Description** | Defines the index (one-based) of this interrupt resource. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Interrupt State Capabilities

| | |
|---|---|
| **Name** | `systemResourceInterruptStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.3 |
| **Description** | Defines the capabilities of this system resource interrupt. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System Resource Interrupt State Settings

| | |
|---|---|
| **Name** | `systemResourceInterruptStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.4 |
| **Description** | Defines the state of this system resource interrupt. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System Resource Interrupt Status

| | |
|---|---|
| **Name** | `systemResourceInterruptStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.5 |
| **Description** | Defines the status of this system resource interrupt. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Resource Interrupt Owner Index Reference

| | |
|---|---|
| **Name** | `systemResourceInterruptOwnerIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.6 |
| **Description** | Defines the index for the associated system resource owner in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource Interrupt Owner Share Disposition

| | |
|---|---|
| **Name** | `systemResourceInterruptShareDisposition` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.7 |
| **Description** | Defines the share disposition of the system resource interrupt. |
| **Syntax** | DellResourceShareDisposition (See Table 7-3.) |
| **Access** | Read-only |

### System Resource Interrupt Level

| | |
|---|---|
| **Name** | `systemResourceInterruptLevel` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.8 |
| **Description** | Defines the interrupt request (IRQ) level of the system resource interrupt. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System Resource Interrupt Type

| | |
|---|---|
| **Name** | `systemResourceInterruptType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.9 |
| **Description** | Defines the interrupt type of the system resource interrupt. |
| **Syntax** | DellResourceInterruptType (See Table 7-5.) |
| **Access** | Read-only |

### System Resource Interrupt Trigger

| | |
|---|---|
| **Name** | `systemResourceInterruptTrigger` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.50.1.10 |
| **Description** | Defines the interrupt trigger of the system resource interrupt. |
| **Syntax** | DellResourceInterruptTrigger (See Table 7-6.) |
| **Access** | Read-only |

## System Resource Direct Memory Access (DMA) Table

| | |
|---|---|
| **Name** | systemResourceDMATable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60 |
| **Description** | Defines the System Resource DMA Table. |
| **Syntax** | SEQUENCE OF SystemResourceDMATableEntry |
| **Access** | Not accessible |

### System Resource DMA Table Entry

| | |
|---|---|
| **Name** | systemResourceDMATable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1 |
| **Description** | Defines the System Resource DMA Table entry. |
| **Syntax** | SystemResourceDMATableEntry |
| **Access** | Not accessible |
| **Index** | systemResourceDMAchassisIndex, systemResourceDMAIndex |

### System Resource DMA Chassis Index

| | |
|---|---|
| **Name** | systemResourceDMAchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource DMA Index

| | |
|---|---|
| **Name** | systemResourceDMAIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.2 |
| **Description** | Defines the index of system resource DMAs in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource DMA State Capabilities

| | |
|---|---|
| **Name** | systemResourceDMAStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.3 |
| **Description** | Defines the capabilities of this system resource DMA. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### System Resource DMA State Settings

| | |
|---|---|
| **Name** | systemResourceDMAStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.4 |
| **Description** | Defines the state and setting of this system resource DMA. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### System Resource DMA Status

| | |
|---|---|
| **Name** | systemResourceDMAStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.5 |
| **Description** | Defines the status of this system resource DMA. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Resource DMA Owner Index Reference

| | |
|---|---|
| **Name** | systemResourceDMAOwnerIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.6 |
| **Description** | Defines the index to the associated system resource owner in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Resource DMA Share Disposition

| | |
|---|---|
| **Name** | `systemResourceDMAShareDisposition` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.7 |
| **Description** | Defines the share disposition of the system resource DMA. |
| **Syntax** | DellResourceShareDisposition (See Table 7-3.) |
| **Access** | Read-only |

### System Resource DMA Maximum Transfer Size

| | |
|---|---|
| **Name** | `systemResourceDMAMaximumTransferSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.8 |
| **Description** | Defines the maximum size of a memory transfer in bytes for the system resource DMA. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System Resource DMA Transfer Width

| | |
|---|---|
| **Name** | `systemResourceDMATransferWidth` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.9 |
| **Description** | Defines the transfer width of the system resource DMA. |
| **Syntax** | DellResourceDMATransferWidth (See Table 7-8.) |
| **Access** | Read-only |

### System Resource DMA Bus Master

| | |
|---|---|
| **Name** | `systemResourceDMABusMaster` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.500.60.1.10 |
| **Description** | Defines the bus mastering capabilities of the system resource DMA. |
| **Syntax** | DellResourceDMABusMaster (See Table 7-7.) |
| **Access** | Read-only |

# System Resource Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 7-1. System Resource Map Type**

| **Variable Name:** `DellSystemResourceMapType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The system resource map type is not one of the following: |
| `unknown(2)` | The system resource map type is unknown (not known or not monitored). |
| `typeOne(3)` | The system resource map is type 1 (one). |

**Table 7-2. Resource Owner Interface Type**

| **Variable Name:** `DellResourceOwnerInterfaceType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `typeIsOther(1)` | The interface type is not one of the following: |
| `typeIsUnknown(2)` | The interface type is unknown. |
| `typeIsInternal(3)` | The interface type is internal. |
| `typeIsISA(4)` | The interface type is an Industry Standard Architecture (ISA) bus. |
| `typeIsEISA(5)` | The interface type is an Extended Industry Standard Architecture (EISA) bus. |
| `typeIsMCA(6)` | The interface type is a microchannel architecture (MCA) bus. |
| `typeIsTurboChannel(7)` | The interface type is a turbo-channel bus. |

**Table 7-3. Resource Share Disposition**

| **Variable Name:** `DellResourceShareDisposition` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `shareIsOther(1)` | The share disposition is not one of the following: |
| `shareIsUnknown(2)` | The share disposition is unknown (not known or not monitored). |
| `shareIsDeviceExclusive(3)` | The share disposition is device exclusive. |
| `shareIsDriverExclusive(4)` | The share disposition is driver exclusive. |
| `shareIsShared(5)` | The share disposition is shared. |

**Table 7-4. Resource Memory Flags**

| **Variable Name:** `DellResourceMemoryFlags` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `memoryIsReadOnly(1)` | The resource memory is read-only. |
| `memoryIsWriteOnly(2)` | The resource memory is write-only. |
| `memoryIsPreFetchable(4)` | The resource memory is prefetchable. |
| `memoryIsCombinedWritable(8)` | The resource memory is read-write. |
| `memoryIsF24(16)` | The resource memory is F24. |

**Table 7-5. Resource Interrupt Type**

| **Variable Name:** `DellResourceInterruptType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `interruptIsLevelSensitive(1)` | The interrupt type is level sensitive. |
| `interruptIsLatched(2)` | The interrupt type is latched. |

**Table 7-6. Resource Interrupt Trigger**

| **Variable Name:** `DellResourceInterruptTrigger` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `interruptIsActiveWhenLow(1)` | The interrupt trigger is active on a low signal. |
| `interruptIsActiveWhenHigh(2)` | The interrupt trigger is active on a high signal. |

**Table 7-7. Resource DMA Bus Master**

| **Variable Name:** `DellResourceDMABusMaster` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `dmaIsOther(1)` | The DMA bus master capability is not one of the following: |
| `dmaIsUnknown(2)` | The DMA bus master capability is unknown. |
| `dmaIsNotABusmaster(3)` | The DMA does not have bus master capability. |

**Table 7-8. Resource DMA Transfer Width**

| **Variable Name:** `DellResourceDMATransferWidth` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `dmaTransferWidthIsOther(1)` | The DMA transfer width is not one of the following: |
| `dmaTransferWidthIsunknown(2)` | The DMA transfer width is unknown. |
| `dmaTransferWidthIs8Bits(3)` | The DMA transfer width is 8 bits. |
| `dmaTransferWidthIs16Bits(4)` | The DMA transfer width is 16 bits. |
| `dmaTransferWidthIs32Bits(5)` | The DMA transfer width is 32 bits. |
| `dmaTransferWidthIs64Bits(6)` | The DMA transfer width is 64 bits. |
| `dmaTransferWidthIs128Bits(7)` | The DMA transfer width is 128 bits. |

# 8

# Power Group

The Power Group provides information about power units (a group of power supplies in a system chassis), power supplies, and voltage and amperage probes.

## Power Group Tables

The following management information base (MIB) tables define objects for the Power Group:

- Power Unit Table
- Power Supply Table
- Voltage Probe Table
- Amperage Probe Table
- AC Power Switch Table
- AC Power Cord Table
- Battery Table

### Power Unit Table

| | |
|---|---|
| **Name** | `powerUnitTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10 |
| **Description** | Defines the Power Unit Table. |
| **Syntax** | PowerUnitTableEntry |
| **Access** | Not accessible |

#### Power Unit Table Entry

| | |
|---|---|
| **Name** | `powerUnitTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1 |
| **Description** | Defines the Power Unit Table entry. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |
| **Index** | powerUnitchassisIndex, powerUnitIndex |

### Power Unit Chassis Index

| | |
|---|---|
| **Name** | powerUnitchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Power Unit Index

| | |
|---|---|
| **Name** | powerUnitIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.2 |
| **Description** | Defines the index of the power unit in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Power Unit State Capabilities

| | |
|---|---|
| **Name** | powerUnitStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.3 |
| **Description** | Defines the capabilities of the power unit. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Power Unit State Settings

| | |
|---|---|
| **Name** | powerUnitStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.4 |
| **Description** | Defines the state and settings of the power unit. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Power Unit Redundancy Status

| | |
|---|---|
| **Name** | powerUnitRedundancyStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.5 |
| **Description** | Defines the redundancy status of the power unit. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### Power Supply Count for Redundancy

| | |
|---|---|
| **Name** | powerSupplyCountForRedundancy |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.6 |
| **Description** | Defines the total number of power supplies required for this power unit to have redundancy. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Power Unit Name

| | |
|---|---|
| **Name** | powerUnitName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.7 |
| **Description** | Defines the name of the power unit in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Power Unit Status

| | |
|---|---|
| **Name** | powerUnitStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.10.1.8 |
| **Description** | Defines the status of the power unit in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

## Power Supply Table

| | |
|---|---|
| **Name** | powerSupplyTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12 |
| **Description** | Defines the Power Supply Table. |
| **Syntax** | PowerSupplyTableEntry |
| **Access** | Not accessible |

### Power Supply Table Entry

| | |
|---|---|
| **Name** | powerSupplyTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1 |
| **Description** | Defines the Power Supply Table entry. |
| **Syntax** | PowerSupplyTableEntry |
| **Access** | Not accessible |
| **Index** | powerSupplychassisIndex, powerSupplyIndex |

### Power Supply Chassis Index

| | |
|---|---|
| **Name** | powerSupplychassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Power Supply Index

| | |
|---|---|
| **Name** | powerSupplyIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.2 |
| **Description** | Defines the index of power supply. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Power Supply State Capabilities Unique

| | |
|---|---|
| **Name** | `powerSupplyStateCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.3 |
| **Description** | Defines the capabilities of the power supply. |
| **Syntax** | DellPowerSupplyStateCapabilitiesUnique (See Table 8-1.) |
| **Access** | Read-only |

### Power Supply State Settings Unique

| | |
|---|---|
| **Name** | `powerSupplyStateSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.4 |
| **Description** | Defines the state and settings of the power supply. |
| **Syntax** | DellPowerSupplyStateSettingsUnique (See Table 8-2.) |
| **Access** | Read-write |

### Power Supply Status

| | |
|---|---|
| **Name** | `powerSupplyStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.5 |
| **Description** | Defines the status of the power supply. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Power Supply Output Watts

| | |
|---|---|
| **Name** | `powerSupplyOutputWatts` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.6 |
| **Description** | Defines the maximum sustained output wattage of the power supply in tenths of watts. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Power Supply Type

| | |
|---|---|
| **Name** | powerSupplyType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.7 |
| **Description** | Defines the type of power supply. |
| **Syntax** | DellPowerSupplyType (See Table 8-3.) |
| **Access** | Read-only |

### Power Supply Location Name

| | |
|---|---|
| **Name** | powerSupplyLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.8 |
| **Description** | Defines the location name of the power supply. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Power Supply Input Voltage

| | |
|---|---|
| **Name** | powerSupplyInputVoltage |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.9 |
| **Description** | Defines the input voltage to the power supply in volts. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Power Supply Power Unit Index Reference

| | |
|---|---|
| **Name** | powerSupplypowerUnitIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.10 |
| **Description** | Defines the index to the associated system power unit in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Power Supply Sensor State

| | |
|---|---|
| **Name** | powerSupplySensorState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.11 |
| **Description** | Defines the state reported by the power supply sensor, and supplements the state and settings of the power supply. |
| **Syntax** | DellPowerSupplySensorState (See Table 8-4) |
| **Access** | Read-only |

### Power Supply Configuration Error Type

| | |
|---|---|
| **Name** | powerSupplyConfigurationErrorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.12.1.12 |
| **Description** | Defines the type of configuration error reported by the power supply sensor. |
| **Syntax** | DellPowerSupplyConfigurationErrorType (See Table 8-5) |
| **Access** | Read-only |

## Voltage Probe Table

| | |
|---|---|
| **Name** | voltageProbeTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20 |
| **Description** | Defines the Voltage Probe Table. |
| **Syntax** | VoltageProbeTableEntry |
| **Access** | Not accessible |

### Voltage Probe Table Entry

| | |
|---|---|
| **Name** | voltageProbeTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1 |
| **Description** | Defines the Voltage Probe Table entry. |
| **Syntax** | VoltageProbeTableEntry |
| **Access** | Not accessible |
| **Index** | voltageProbechassisIndex, voltageProbeIndex |

### Voltage Probe Chassis Index

| | |
|---|---|
| **Name** | voltageProbechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Voltage Probe Index

| | |
|---|---|
| **Name** | voltageProbeIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.2 |
| **Description** | Defines the index of voltage probes in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Voltage Probe State Capabilities

| | |
|---|---|
| **Name** | voltageProbeStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.3 |
| **Description** | Defines the capabilities of the voltage probe. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Voltage Probe State Settings

| | |
|---|---|
| **Name** | voltageProbeStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.4 |
| **Description** | Defines the state and settings of the voltage probe. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Voltage Probe Status

| | |
|---|---|
| **Name** | voltageProbeStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.5 |
| **Description** | Defines the status of the voltage probe. |
| **Syntax** | DellStatusProbe |
| **Access** | Read-only |

### Voltage Probe Reading

| | |
|---|---|
| **Name** | voltageProbeReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.6 |
| **Description** | Defines the value of the voltage probe reading. The value is an integer representing the voltage in millivolts that the probe is reading.<br>When the value for voltageProbeType is voltageProbeTypeIsDiscrete, a value is not returned for this attribute. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Voltage Probe Type

| | |
|---|---|
| **Name** | voltageProbeType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.7 |
| **Description** | Defines the type of the voltage probe. |
| **Syntax** | DellVoltageType |
| **Access** | Read-only |

### Voltage Probe Location Name

| | |
|---|---|
| **Name** | voltageProbeLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.8 |
| **Description** | Defines the location of the voltage probe in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Voltage Probe Upper Nonrecoverable Threshold

| | |
|---|---|
| **Name** | `voltageProbeUpperNonRecoverableThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.9 |
| **Description** | Defines the value of the voltage probe's upper nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Voltage Probe Upper Critical Threshold

| | |
|---|---|
| **Name** | `voltageProbeUpperCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.10 |
| **Description** | Defines the value of the voltage probe's upper critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Voltage Probe Upper Noncritical Threshold

| | |
|---|---|
| **Name** | `voltageProbeUpperNonCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.11 |
| **Description** | Defines the user-assigned value of the voltage probe's upper noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Voltage Probe Lower Noncritical Threshold

| | |
|---|---|
| **Name** | `voltageProbeLowerNonCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.12 |
| **Description** | Defines the user-assigned value of the voltage probe's lower noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Voltage Probe Lower Critical Threshold

| | |
|---|---|
| **Name** | `voltageProbeLowerCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.13 |
| **Description** | Defines the value of the voltage probe's lower critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Voltage Probe Lower Nonrecoverable Threshold

| | |
|---|---|
| **Name** | `voltageProbeLowerNonRecoverableThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.14 |
| **Description** | Defines the value of the voltage probe's lower nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Voltage Probe Probe Capabilities

| | |
|---|---|
| **Name** | `voltageProbeProbeCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.15 |
| **Description** | Defines the probe capabilities of the voltage probe. |
| **Syntax** | DellProbeCapabilities |
| **Access** | Read-only |

### Voltage Probe Discrete Reading

| | |
|---|---|
| **Name** | `voltageProbeDiscreteReading` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.20.1.16 |
| **Description** | Defines the reading for a voltage probe of type voltageProbeTypeIsDiscrete.<br>When the value for voltageProbeType is other than voltageProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for voltageProbeType is voltageProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe. |
| **Syntax** | DellVoltageDiscreteReading |
| **Access** | Read-only |

## Amperage Probe Table

| | |
|---|---|
| **Name** | amperageProbeTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30 |
| **Description** | Defines the Amperage Probe Table. |
| **Syntax** | SEQUENCE OF AmperageProbeTableEntry |
| **Access** | Not accessible |

### Amperage Probe Table Entry

| | |
|---|---|
| **Name** | amperageProbeTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1 |
| **Description** | Defines the Amperage Probe Table entry. |
| **Syntax** | AmperageProbeTableEntry |
| **Access** | Not accessible |
| **Index** | amperageProbechassisIndex, amperageProbeIndex |

### Amperage Probe Chassis Index

| | |
|---|---|
| **Name** | amperageProbechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Amperage Probe Index

| | |
|---|---|
| **Name** | amperageProbeIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.2 |
| **Description** | Defines the index of amperage probes in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Amperage Probe State Capabilities

| | |
|---|---|
| **Name** | amperageProbeStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.3 |
| **Description** | Defines the capabilities of the amperage probe. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Amperage Probe State Settings

| | |
|---|---|
| **Name** | amperageProbeStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.4 |
| **Description** | Defines the state and settings of the amperage probe. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Amperage Probe Status

| | |
|---|---|
| **Name** | amperageProbeStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.5 |
| **Description** | Defines the status of the amperage probe. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Reading

| | |
|---|---|
| **Name** | amperageProbeReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.6 |
| **Description** | Defines the value of the amperage probe.<br>When the value for amperageProbeType is other than amperageProbeTypeIsDiscrete, the value returned for this attribute is the amperage that the probe is reading in milliamps. When the value for amperageProbeType is amperageProbeTypeIsDiscrete, a value is not returned for this attribute. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Type

| | |
|---|---|
| **Name** | amperageProbeType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.7 |
| **Description** | Defines the type of the amperage probe. |
| **Syntax** | DellAmperageProbeType |
| **Access** | Read-only |

### Amperage Probe Location Name

| | |
|---|---|
| **Name** | amperageProbeLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.8 |
| **Description** | Defines the location name of the amperage probe in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Amperage Probe Upper Nonrecoverable Threshold

| | |
|---|---|
| **Name** | amperageProbeUpperNonRecoverableThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.9 |
| **Description** | Defines the value of the amperage probe's upper nonrecoverable threshold. The value is an integer representing the amperage in milliamperes that the probe is reading. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Upper Critical Threshold

| | |
|---|---|
| **Name** | amperageProbeUpperCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.10 |
| **Description** | Defines the value of the amperage probe's upper critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Upper Noncritical Threshold

| | |
|---|---|
| **Name** | amperageProbeUpperNonCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.11 |
| **Description** | Defines the user-assigned value of the amperage probe's upper critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Amperage Probe Lower Noncritical Threshold

| | |
|---|---|
| **Name** | amperageProbeLowerNonCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.12 |
| **Description** | Defines the user-assigned value of the amperage probe's lower noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Amperage Probe Lower Critical Threshold

| | |
|---|---|
| **Name** | amperageProbeLowerCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.13 |
| **Description** | Defines the value of the amperage probe's lower critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Lower Nonrecoverable Threshold

| | |
|---|---|
| **Name** | amperageProbeLowerNonRecoverableThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.14 |
| **Description** | Defines the value of the amperage probe's lower nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Amperage Probe Probe Capabilities

| | |
|---|---|
| **Name** | amperageProbeProbeCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.15 |
| **Description** | Defines the probe capabilities of the amperage probe. |
| **Syntax** | DellProbeCapabilities |
| **Access** | Read-only |

### Amperage Probe Discrete Reading

| | |
|---|---|
| **Name** | amperageProbeDiscreteReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.30.1.16 |
| **Description** | Defines the reading for a amperage probe of type amperageProbeTypeIsDiscrete.<br>When the value for amperageProbeType is other than amperageProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for amperageProbeType is amperageProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe. |
| **Syntax** | DellAmperageDiscreteReading (See Table 8-9) |
| **Access** | Read-only |

## AC Power Switch Table

| | |
|---|---|
| **Name** | aCPowerSwitchTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40 |
| **Description** | Defines the AC Power Switch Table. |
| **Syntax** | SEQUENCE OF ACPowerSwitchTableEntry |
| **Access** | Not accessible |

### AC Power Switch Table Entry

| | |
|---|---|
| **Name** | aCPowerSwitchTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1 |
| **Description** | Defines the AC Power Switch Table entry. |
| **Syntax** | ACPowerSwitchTableEntry |
| **Access** | Not accessible |

### AC Power Switch Chassis Index

| | |
|---|---|
| **Name** | aCPowerSwitchChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing this AC power switch. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Switch Index

| | |
|---|---|
| **Name** | aCPowerSwitchIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.2 |
| **Description** | Defines the index (one-based) of this AC power switch. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Switch Capabilities

| | |
|---|---|
| **Name** | aCPowerSwitchCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.3 |
| **Description** | Defines the capabilities of this AC power switch. |
| **Syntax** | DellACPowerSwitchCapabilities |
| **Access** | Read-only |

### AC Power Switch Settings

| | |
|---|---|
| **Name** | aCPowerSwitchSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.4 |
| **Description** | Defines the settings of this AC power switch. |
| **Syntax** | DellACPowerSwitchSettings |
| **Access** | Read-write |

### AC Power Switch Redundancy Status

| | |
|---|---|
| **Name** | aCPowerSwitchRedundancyStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.5 |
| **Description** | Defines the redundancy status of this AC power switch. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### AC Power Cord Count for Redundancy

| | |
|---|---|
| **Name** | aCPowerCordCountForRedundancy |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.6 |
| **Description** | Defines the total number of AC power cords required for this AC power switch to have redundancy. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Switch Name

| | |
|---|---|
| **Name** | aCPowerSwitchName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.7 |
| **Description** | Defines the name of this AC power switch. |
| **Syntax** | DellString |
| **Access** | Read-only |

### AC Power Switch Redundancy Mode

| | |
|---|---|
| **Name** | aCPowerSwitchRedundancyMode |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.8 |
| **Description** | Defines the redundancy mode of this AC power switch. |
| **Syntax** | DellACPowerSwitchRedundancyMode |
| **Access** | Read-write |

### AC Power Switch Status

| | |
|---|---|
| **Name** | aCPowerSwitchStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.40.1.9 |
| **Description** | Defines the status of this AC power switch. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

## AC Power Cord Table

| | |
|---|---|
| **Name** | aCPowerCordTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42 |
| **Description** | Defines the AC Power Cord Table. |
| **Syntax** | SEQUENCE OF ACPowerCordTableEntry |
| **Access** | Not accessible |

### AC Power Cord Table Entry

| | |
|---|---|
| **Name** | aCPowerCordTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1 |
| **Description** | Defines the AC Power Cord Table entry. |
| **Syntax** | ACPowerCordTableEntry |
| **Access** | Not accessible |

### AC Power Cord Chassis Index

| | |
|---|---|
| **Name** | aCPowerCordChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing this AC power cord. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Cord Index

| | |
|---|---|
| **Name** | aCPowerCordIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.2 |
| **Description** | Defines the index (one-based) of this AC power cord. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Cord State Capabilities

| | |
|---|---|
| **Name** | aCPowerCordStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.3 |
| **Description** | Defines the capabilities of this AC power cord. |
| **Syntax** | DellACPowerCordStateCapabilities |
| **Access** | Read-only |

### AC Power Cord State Settings

| | |
|---|---|
| **Name** | aCPowerCordStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.4 |
| **Description** | Defines the settings of this AC power cord. |
| **Syntax** | DellACPowerCordStateSettings |
| **Access** | Read-write |

### AC Power Cord Status

| | |
|---|---|
| **Name** | aCPowerCordStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.5 |
| **Description** | Defines the status of this AC power cord. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### AC Power Cord AC Power Switch Index Reference

| | |
|---|---|
| **Name** | `aCPowerCordaCPowerSwitchIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.6 |
| **Description** | Defines the index (one-based) to the associated AC power switch for this AC power cord. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### AC Power Cord Location Name

| | |
|---|---|
| **Name** | `aCPowerCordLocationName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.42.1.7 |
| **Description** | Defines the location name of this AC power cord. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Battery Table

| | |
|---|---|
| **Name** | `batteryTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50 |
| **Description** | Defines the Battery Table. |
| **Syntax** | SEQUENCE OF BatteryTableEntry |
| **Access** | Not accessible |

### Battery Table Entry

| | |
|---|---|
| **Name** | `batteryTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1 |
| **Description** | Defines the Battery Table Entry. |
| **Syntax** | BatteryTableEntry |
| **Access** | Not accessible |

### Battery Chassis Index

| | |
|---|---|
| **Name** | batteryChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.1 |
| **Description** | Defines the index (one-based) of the chassis that contains the battery. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Battery Index

| | |
|---|---|
| **Name** | batteryIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.2 |
| **Description** | Defines the index (one-based) of the battery. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Battery State Capabilities

| | |
|---|---|
| **Name** | batteryStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.3 |
| **Description** | Defines the state capabilities of the battery. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Battery State Settings

| | |
|---|---|
| **Name** | batteryStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.4 |
| **Description** | Defines the state settings of the battery. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Battery Status

| | |
|---|---|
| **Name** | batteryStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.5 |
| **Description** | Defines the status of the battery. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Battery Reading

| | |
|---|---|
| **Name** | batteryReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.6 |
| **Description** | Defines the reading of the battery. |
| **Syntax** | DellBatteryReading (see Table ) |
| **Access** | Read-only |

### Battery Location Name

| | |
|---|---|
| **Name** | batteryLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.600.50.1.7 |
| **Description** | Defines the location of the battery. |
| **Syntax** | DellString |
| **Access** | Read-only |

# Power Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 8-1. Power Supply State Capabilities Unique**

| **Variable Name:** DellPowerSupplyStateCapabilitiesUnique | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| unknown(1) | The power supply's capabilities are unknown. |
| onlineCapable(2) | The power supply can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| notReadyCapable(4) | The power supply's capabilities are not ready. |

**Table 8-2. Power Supply State Settings Unique**

| **Variable Name:** `DellPowerSupplyStateSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The power supply's capabilities are unknown. |
| `onLine(2)` | The power supply's state is disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReady(4)` | The power supply's state is not ready. |
| `fanFailure(8)` | The power supply fan has failed. |
| `onlineAndFanFailure(10)` | The power supply is online and indicating that its fan is not working. |
| `powerSupplyIsON(16)` | The power supply is indicating that it is on. |
| `powerSupplyIsOk(32)` | The power supply is indicating that it is OK. |
| `acSwitchIsON(64)` | The power supply is indicating that the AC power switch is on. |
| `onlineandAcSwitchIsON(66)` | The power supply is online and indicating that the AC power supply switch capability is activated. |
| `acPowerIsON(128)` | The power supply is indicating that the AC power is on. |
| `onlineAndAcPowerIsON(130)` | The power supply is online and indicating that the AC power is on. |
| `onlineAndPredictiveFailure(210)` | The power supply is online and indicating that it has a problem. |
| `acPowerAndSwitchAreOnPowerSupplyIsOnIsOkAndOnline(242)` | The power supply is online and OK. |

**Table 8-3. Power Supply Type Definitions**

| **Variable Name:** `DellPowerSupplyType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `powerSupplyTypeIsOther(1)` | The power supply type is not one of the following: |
| `powerSupplyTypeIsUnknown(2)` | The power supply type is unknown (not known or not monitored). |
| `powerSupplyTypeIsLinear(3)` | The power supply type is a linear power supply. |
| `powerSupplyTypeIsSwitching(4)` | The power supply type is a switching power supply. |
| `powerSupplyTypeIsBattery(5)` | The power supply type is a battery. |
| `powerSupplyTypeIsUPS(6)` | The power supply type is an uninterruptable power supply. |

**Table 8-3. Power Supply Type Definitions *(continued)***

| **Variable Name:** `DellPowerSupplyType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `powerSupplyTypeIsConverter(7)` | The power supply type is a power converter power supply. |
| `powerSupplyTypeIsRegulator(8)` | The power supply type is a regulator power supply. |
| `powerSupplyTypeIsAC(9)` | The power supply type is an AC power supply. |
| `powerSupplyTypeIsDC(10)` | The power supply type is a DC power supply. |
| `powerSupplyTypeIsVRM(11)` | The power supply type is a voltage regulator module (VRM) power supply. |

**Table 8-4. Power Supply Sensor State**

| **Variable Name:** `DellPowerSupplySensorState` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `presenceDetected(1)` | The power supply's presence is detected. |
| `psFailureDetected(2)` | The power supply failure is detected. |
| `predictiveFailure(4)` | The power supply sensor detects predictive failure |
| `psACLost(8)` | The power supply's AC power is lost. |
| `acLostOrOutOfRange(16)` | The power supply's AC power is lost or out of range. |
| `acOutOfRangeButPresent(32)` | The power supply's AC power is present, but it is out of range. |
| `configurationError(64)` | The power supply sensor detects a configuration error. |

**Table 8-5. Power Supply Configuration Error Type**

| **Variable Name:** `DellPowerSupplyConfigurationErrorType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `vendorMismatch(1)` | The power supply configuration error type is vendor mismatch. |
| `revisionMismatch(2)` | The power supply configuration error type is revision mismatch. |
| `processorMissing(3)` | The power supply configuration error type is processor missing. |

**Table 8-6. Voltage Probe Type**

| **Variable Name:** `DellVoltageType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `voltageProbeTypeIsOther(1)` | The voltage probe type is not one of the following: |
| `voltageProbeTypeIsUnknown(2)` | The voltage probe type is unknown (not known or not monitored). |
| `voltageProbeTypeIs1Point5Volt(3)` | The voltage probe type is a 1.5-volt (V) probe. |
| `voltageProbeTypeIs3Point3Volt(4)` | The voltage probe type is a 3.3-V probe. |
| `voltageProbeTypeIs5Volt(5)` | The voltage probe type is a 5-V probe. |
| `voltageProbeTypeIsMinus5Volt(6)` | The voltage probe type is a –5-V probe. |
| `voltageProbeTypeIs12Volt(7)` | The voltage probe type is a 12-V probe. |
| `voltageProbeTypeIsMinus12Volt(8)` | The voltage probe type is a –12-V probe. |
| `voltageProbeTypeIsIO(9)` | The voltage probe type is an I/O volt probe. |
| `voltageProbeTypeIsCore(10)` | The voltage probe type is a core volt probe. |
| `voltageProbeTypeIsFLEA(11)` | The voltage probe type is a FLEA (standby) volt probe. |
| `voltageProbeTypeIsBattery(12)` | The voltage probe type is a battery volt probe. |
| `voltageProbeTypeIsTerminator(13)` | The voltage probe type is a SCSI termination volt probe. |
| `voltageProbeTypeIs2Point5Volt(14)` | The voltage probe type is a 2.5-V probe. |
| `voltageProbeTypeIsGTL(15)` | The voltage probe type is a ground termination logic (GTL) probe. |
| `voltageProbeTypeIsDiscrete(16)` | The voltage probe type is a voltage probe with discrete reading. |

**Table 8-7. Voltage Probe Discrete Reading**

| **Variable Name:** `DellVoltageDiscreteReading`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `voltageIsGood(1)` | The voltage probe discrete reading is good. |
| `voltageIsBad(2)` | The voltage probe discrete reading is bad. |

**Table 8-8. Amperage Probe Definitions**

| **Variable Name:** `DellAmperageType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `amperageProbeTypeIsOther(1)` | The amperage probe type is not one of the following: |
| `amperageProbeTypeIsUnknown(2)` | The amperage probe type is unknown (not known or not monitored). |
| `amperageProbeTypeIs1Point5Volt(3)` | The amperage probe type is a 1.5-ampere (A) probe. |
| `amperageProbeTypeIs3Point3volt(4)` | The amperage probe type is a 3.3-A probe. |
| `amperageProbeTypeIs5Volt(5)` | The amperage probe type is a 5-A probe. |
| `amperageProbeTypeIsMinus5Volt(6)` | The amperage probe type is a –5-A probe. |
| `amperageProbeTypeIs12Volt(7)` | The amperage probe type is a 12-A probe. |
| `amperageProbeTypeIsMinus12Volt(8)` | The amperage probe type is a –12-A probe. |
| `amperageProbeTypeIsIO(9)` | The amperage probe type is an I/O amperage probe. |
| `amperageProbeTypeIsCore(10)` | The amperage probe type is a core amperage probe. |
| `amperageProbeTypeIsFLEA(11)` | The amperage probe type is a FLEA (standby) amperage probe. |
| `amperageProbeTypeIsBattery(12)` | The amperage probe type is a battery amperage probe. |
| `amperageProbeTypeIsTerminator(13)` | The amperage probe type is a Small Computer System Interface (SCSI) termination amperage probe. |
| `amperageProbeTypeIs2Point5Volt(14)` | The amperage probe type is a 2.5-V amperage probe. |
| `amperageProbeTypeIsGTL(15)` | The amperage probe type is a Gunning Transceiver Logic (GTL) probe. |
| `amperageProbeTypeIsDiscrete(16)` | The amperage probe type is an amperage probe with discrete reading. |

**Table 8-9. Amperage Probe Discrete Reading**

| **Variable Name: DellAmperageDiscreteReading**<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `amperageIsGood(1)` | The amperage probe discrete reading is good. |
| `amperageIsBad(2)` | The amperage probe discrete reading is bad. |

**Table 8-10. AC Power Switch Capabilities**

| **Variable Name:** `DellACPowerSwitchCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknownCapabilities(1)` | The AC power switch's capabilities are unknown. |
| `inputSourceCord1NoReturnCapable(2)` | Input source is AC power cord 1, with no return. |
| `inputSourceCord1ReturnCapable(4)` | Input source is AC power cord 1, with return. |
| `inputSourceCord2NoReturnCapable(8)` | Input source is AC power cord 2, with no return. |
| `inputSourceCord2ReturnCapable(16)` | Input source is AC power cord 2, with return. |
| `inputSourceSharedCapable(32)` | Input source is shared. |

**Table 8-11. AC Power Switch Settings**

| **Variable Name:** `DellACPowerSwitchSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The AC power switch's settings are unknown. |
| `inputSourceCord1NoReturn(2)` | Input source is AC power cord 1, with no return. |
| `inputSourceCord1Return(4)` | Input source is AC power cord 1, with return. |
| `inputSourceCord2NoReturn(8)` | Input source is AC power cord 2, with no return. |
| `inputSourceCord2Return(16)` | Input source is AC power cord 2, with return. |
| `inputSourceShared(32)` | Input source is shared. |

**Table 8-12. AC Power Switch Redundancy Mode**

| **Variable Name:** `DellACPowerSwitchRedundancyMode`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `nonRedundant(1)` | The AC power switch is not expecting redundancy. |
| `redundant(2)` | The AC power switch is expecting redundancy. |

**Table 8-13. AC Power Cord State Capabilities**

| **Variable Name:** `DellACPowerCordStateCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The AC power cord's capabilities are unknown. |
| `onlineCapable(2)` | The AC power cord can be disabled (offline) or enabled (online). |
| `notReadyCapable(4)` | The AC power cord's capabilities are not ready. |

**Table 8-14. AC Power Cord State Settings**

| **Variable Name:** `DellACPowerCordStateSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The AC power cord's state is unknown. |
| `online(2)` | The AC power cord's state is disabled (offline) 0 or enabled (online) 1. |
| `notReady(4)` | The AC power cord's state is not ready. |
| `acPowerCordHasPower(8)` | The AC power cord has power. |
| `acPowerCordIsActiveSource(16)` | The AC power cord is the active source of AC power. |

**Table 8-15. Battery Reading**

| **Variable Name:** `DellBatteryReading`<br>**Data Type:** `Integer`<br>**NOTE:** These values are bit masks, so combination values are possible. | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `predictiveFailure(1)` | Battery sensor detects predictive failure. |
| `failed(2)` | Battery has failed. |
| `presenceDetected(4)` | Battery presence is detected. |

# 9

# Thermal Group

The Thermal Group provides information about cooling units, cooling devices, and temperature probes. Cooling units are sets of fans or other cooling devices in a system chassis. Thermal Group variables include threshold values and types of cooling devices and temperature probes.

## Thermal Group Tables

The following management information base (MIB) tables define the objects in the Thermal Group:

- Cooling Unit Table
- Cooling Unit Status
- Temperature Probe Table

### Cooling Unit Table

| | |
|---|---|
| **Name** | `coolingUnitTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10 |
| **Description** | Defines the Cooling Unit Table. |
| **Syntax** | TableEntry |
| **Access** | Not accessible |

#### Cooling Unit Table Entry

| | |
|---|---|
| **Name** | `coolingUnitTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1 |
| **Description** | Defines the Cooling Unit Table entry. |
| **Syntax** | TableEntry |
| **Access** | Not accessible |
| **Index** | coolingUnitchassisIndex, coolingUnitIndex |

### Cooling Unit Chassis Index

| | |
|---|---|
| **Name** | coolingUnitchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | TableEntry |
| **Access** | Read-only |

### Cooling Unit Index

| | |
|---|---|
| **Name** | coolingUnitIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.2 |
| **Description** | Defines the index (one-based) of cooling units. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cooling Unit State Capabilities

| | |
|---|---|
| **Name** | coolingUnitStateCapabilties |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.3 |
| **Description** | Defines the capabilities of the cooling unit. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Cooling Unit State Settings

| | |
|---|---|
| **Name** | coolingUnitStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.4 |
| **Description** | Defines the state and settings of the cooling unit. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Cooling Unit Redundancy Status

| | |
|---|---|
| **Name** | coolingUnitRedundancyStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.5 |
| **Description** | Defines the redundancy status of the cooling unit. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### Cooling Device Count For Redundancy

| | |
|---|---|
| **Name** | coolingDeviceCountForRedundancy |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.6 |
| **Description** | Defines the total number of cooling devices required for this cooling unit to have redundancy. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cooling Unit Name

| | |
|---|---|
| **Name** | coolingUnitName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.7 |
| **Description** | Defines the cooling unit name in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Cooling Unit Status

| | |
|---|---|
| **Name** | coolingUnitStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.10.1.8 |
| **Description** | Defines the status of the cooling unit in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

## Cooling Device Table

| | |
|---|---|
| **Name** | coolingDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12 |
| **Description** | Defines the Cooling Device Table. |
| **Syntax** | CoolingDeviceTableEntry |
| **Access** | Not accessible |

### Cooling Device Table Entry

| | |
|---|---|
| **Name** | coolingDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1 |
| **Description** | Defines the Cooling Device Table entry. |
| **Syntax** | CoolingDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | cooling DevicechassisIndex, coolingDeviceIndex |

### Cooling Device Chassis Index

| | |
|---|---|
| **Name** | coolingDevicechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cooling Device Index

| | |
|---|---|
| **Name** | coolingDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.2 |
| **Description** | Defines the index of cooling devices in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cooling Device State Capabilities

| | |
|---|---|
| **Name** | coolingDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.3 |
| **Description** | Defines the capabilities of the cooling device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Cooling Device State Settings

| | |
|---|---|
| **Name** | coolingDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.4 |
| **Description** | Defines the state and settings of the cooling device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Cooling Device Status

| | |
|---|---|
| **Name** | coolingDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.5 |
| **Description** | Defines the status of the cooling device. |
| **Syntax** | DellStatusProbe |
| **Access** | Read-only |

### Cooling Device Reading

| | |
|---|---|
| **Name** | coolingDeviceReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.6 |
| **Description** | Defines either the cooling device's speed in revolutions per minute (RPM), or the off/on value of the fan.<br><br>When the value for coolingDeviceSubType is other than coolingDeviceSubTypeIsDiscrete, the value returned for this attribute is the speed in RPM or the OFF/ON value of the cooling device. When the value for coolingDeviceSubType is coolingDeviceSubTypeIsDiscrete, a value is not returned for this attribute. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Cooling Device Type

| | |
|---|---|
| **Name** | coolingDeviceType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.7 |
| **Description** | Defines the cooling device type. |
| **Syntax** | DellCoolingDeviceType (See Table 9-1.) |
| **Access** | Read-only |

### Cooling Device Location Name

| | |
|---|---|
| **Name** | coolingDeviceLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.8 |
| **Description** | Defines the location of the cooling device in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Cooling Device Upper Nonrecoverable Threshold

| | |
|---|---|
| **Name** | coolingDeviceUppernonrecoverableThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.9 |
| **Description** | Defines the value of the fan's upper nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Cooling Device Upper Critical Threshold

| | |
|---|---|
| **Name** | coolingDeviceUpperCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.10 |
| **Description** | Defines the value of the fan's upper critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Cooling Device Upper Noncritical Threshold

| | |
|---|---|
| **Name** | coolingDeviceUpperNonCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.11 |
| **Description** | Defines the user-assigned value of the fan's upper noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Cooling Device Lower Noncritical Threshold

| | |
|---|---|
| **Name** | coolingDeviceLowerNonCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.12 |
| **Description** | Defines the user-assigned value of the fan's lower noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Cooling Device Lower Critical Threshold

| | |
|---|---|
| **Name** | coolingDeviceLowerCriticalThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.13 |
| **Description** | Defines the value of the fan's lower critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Cooling Device Lower Nonrecoverable Threshold

| | |
|---|---|
| **Name** | coolingDeviceLowerNonRecoverableThreshold |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.14 |
| **Description** | Defines the value of the fan's lower nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Cooling Device Cooling Unit Index Reference

| | |
|---|---|
| **Name** | coolingDevicecoolingUnitIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.15 |
| **Description** | Defines the index for the associated system cooling unit in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cooling Device Subtype

| | |
|---|---|
| **Name** | coolingDeviceSubType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.16 |
| **Description** | Defines the cooling device subtype. |
| **Syntax** | DellCoolingDeviceSubType (See Table 9-2.) |
| **Access** | Read-only |

### Cooling Device Probe Capabilities

| | |
|---|---|
| **Name** | coolingDeviceProbeCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.17 |
| **Description** | Defines the probe capabilities of the cooling device. |
| **Syntax** | DellProbeCapabilities |
| **Access** | Read-only |

### Cooling Device Discrete Reading

| | |
|---|---|
| **Name** | coolingDeviceDiscreteReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.12.1.18 |
| **Description** | Defines the reading for a voltage probe of type coolingDeviceSubTypeIsDiscrete.<br>When the value for coolingDeviceSubType is other than coolingDeviceSubTypeIsDiscrete, a value is not returned for this attribute. When the value for coolingDeviceSubType is coolingDeviceSubTypeIsDiscrete, the value returned for this attribute is the discrete reading for the cooling device. |
| **Syntax** | DellCoolingDeviceDiscreteReading (See Table 9-3) |
| **Access** | Read-only |

### Temperature Probe Table

| | |
|---|---|
| **Name** | `temperatureProbeTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20 |
| **Description** | Defines the Temperature Probe Table. |
| **Syntax** | TemperatureProbeTableEntry |
| **Access** | Not accessible |

#### Temperature Probe Table Entry

| | |
|---|---|
| **Name** | `temperatureProbeTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1 |
| **Description** | Defines the Temperature Probe Table entry. |
| **Syntax** | TemperatureProbeTableEntry |
| **Access** | Not accessible |
| **Index** | temperatureProbechassisIndex, temperatureProbeIndex |

#### Temperature Probe Chassis Index

| | |
|---|---|
| **Name** | `temperatureProbechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### Temperature Probe Index

| | |
|---|---|
| **Name** | `temperatureProbeIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.2 |
| **Description** | Defines the index of temperature probes in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Temperature Probe State Capabilities

| | |
|---|---|
| **Name** | `temperatureProbeStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.3 |
| **Description** | Defines the capabilities of the temperature probe. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Temperature Probe State Settings

| | |
|---|---|
| **Name** | `temperatureProbeStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.4 |
| **Description** | Defines the state and settings of the temperature probe. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Temperature Probe Status

| | |
|---|---|
| **Name** | `temperatureProbeStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.5 |
| **Description** | Defines the status of the temperature probe in tenths of degrees Celsius. |
| **Syntax** | DellStatusProbe |
| **Access** | Read-only |

### Temperature Probe Reading

| | |
|---|---|
| **Name** | `temperatureProbeReading` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.6 |
| **Description** | Defines the value of the temperature probe.<br>When the value for temperatureProbeType is other than temperatureProbeTypeIsDiscrete, the value returned for this attribute is the temperature that the probe is reading in tenths of degrees Centigrade. When the value for temperatureProbeType is temperatureProbeTypeIsDiscrete, a value is not returned for this attribute. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Temperature Probe Type

| | |
|---|---|
| **Name** | `temperatureProbeType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.7 |
| **Description** | Defines the temperature probe type. |
| **Syntax** | DellTemperatureProbeType (See Table 9-4.) |
| **Access** | Read-only |

### Temperature Probe Location Name

| | |
|---|---|
| **Name** | `temperatureProbeLocationName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.8 |
| **Description** | Defines the location of the temperature probe in this chassis. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Temperature Probe Upper Nonrecoverable Threshold

| | |
|---|---|
| **Name** | `temperatureProbeUpperNonRecoverableThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.9 |
| **Description** | Defines the value of the temperature probe's upper nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Temperature Probe Upper Critical Threshold

| | |
|---|---|
| **Name** | `temperatureProbeUpperCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.10 |
| **Description** | Defines the value of the temperature probe's upper critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Temperature Probe Upper Noncritical Threshold

| | |
|---|---|
| **Name** | `temperatureProbeUpperNonCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.11 |
| **Description** | Defines the user-assigned value of the temperature probe's upper noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Temperature Probe Lower Noncritical Threshold

| | |
|---|---|
| **Name** | `temperatureProbeLowerNonCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.12 |
| **Description** | Defines the user-assigned value of the temperature probe's lower noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Temperature Probe Lower Critical Threshold

| | |
|---|---|
| **Name** | `temperatureProbeLowerCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.13 |
| **Description** | Defines the value of the temperature probe's lower critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Temperature Probe Lower Nonrecoverable Threshold

| | |
|---|---|
| **Name** | `temperatureProbeLowerNonRecoverableThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.14 |
| **Description** | Defines the value of the temperature probe's lower nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

#### Temperature Probe Probe Capabilities

| | |
|---|---|
| **Name** | `temperatureProbeProbeCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.15 |
| **Description** | Defines the probe capabilities of the temperature probe. |
| **Syntax** | DellProbeCapabilities |
| **Access** | Read-only |

#### Temperature Probe Discrete Reading

| | |
|---|---|
| **Name** | `temperatureProbeDiscreteReading` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.700.20.1.16 |
| **Description** | Defines the reading for a temperature probe of type temperatureProbeTypeIsDiscrete.<br>When the value for temperatureProbeType is other than temperatureProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for temperatureProbeType is temperatureProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe. |
| **Syntax** | DellTemperatureDiscreteReading (See Table 9-5) |
| **Access** | Read-only |

# Thermal Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 9-1. Cooling Device Type**

**Variable Name:** `DellCoolingDeviceType`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `coolingDeviceTypeIsOther(1)` | The cooling device type is not one of the following: |
| `coolingDeviceTypeIsUnknown(2)` | The cooling device type is unknown (not known or not monitored). |
| `coolingDeviceTypeIsAFan(3)` | The cooling device type is a fan. |
| `coolingDeviceTypeIsABlower(4)` | The cooling device type is a centrifugal blower. |
| `coolingDeviceTypeIsAChipFan(5)` | The cooling device type is a fan on an integrated circuit. |
| `coolingDeviceTypeIsACabinetFan(6)` | The cooling device type is a cabinet fan. |

**Table 9-1. Cooling Device Type *(continued)***

| **Variable Name:** DellCoolingDeviceType | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| coolingDeviceTypeIsAPowerSupplyFan(7) | The cooling device type is a power supply fan. |
| coolingDeviceTypeIsAHeatPipe(8) | The cooling device type is a heat pipe. |
| coolingDeviceTypeIsRefrigeration(9) | The cooling device type is an integrated refrigeration unit. |
| coolingDeviceTypeIsActiveCooling(10) | The cooling device type is an active cooling device. |
| coolingDeviceTypeIsPassiveCooling(11) | The cooling device type is a passive cooling device. |

**Table 9-2. Cooling Device Subtype**

| **Variable Name:** DellCoolingDeviceSubType | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| coolingDeviceSubTypeIsOther(1) | The cooling device subtype is not one of the following: |
| coolingDeviceSubTypeIsUnknown(2) | The cooling device subtype is unknown (not known or not monitored). |
| coolingDeviceSubTypeIsAFanThatReadsInRPM(3) | The cooling device subtype is a fan that reads in RPMs. |
| coolingDeviceSubTypeIsAFanReadsONorOFF(4) | The cooling device subtype is a fan that reads 0 (off) or 1 (on). |
| coolingDeviceSubTypeIsAPowerSupplyFanThatReadsinRPM(5) | The cooling device subtype is a power supply fan that reads in RPMs. |
| coolingDeviceSubTypeIsAPowerSupplyFanThatReads- ONorOFF(6) | The cooling device subtype is a power supply fan that reads 0 (off) or 1 (on). |
| coolingDeviceSubTypeIsDiscrete(16) | The cooling device subtype is a cooling device with discrete reading. |

**Table 9-3. Cooling Device Discrete Reading**

| **Variable Name:** DellCoolingDeviceDiscreteReading | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| coolingDeviceIsGood(1) | The cooling device discrete reading is good. |
| coolingDeviceIsBad(2) | The cooling device discrete reading is bad. |

**Table 9-4. Temperature Probe Type**

| **Variable Name:** `DellTemperatureProbeType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `temperatureProbeTypeIsOther(1)` | The temperature probe subtype is not one of the following: |
| `temperatureProbeTypeIsUnknown(2)` | The temperature probe subtype is unknown (not known or not monitored). |
| `temperatureProbeTypeIsAmbientESM(3)` | The temperature probe is for ambient Embedded Systems Management (ESM). |
| `temperatureProbeTypeIsDiscrete(16)` | The temperature probe subtype is a temperature probe with discrete reading. |

**Table 9-5. Temperature Probe Discrete Reading**

| **Variable Name:** `DellTemperatureDiscreteReading`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `temperatureIsGood(1)` | The temperature probe discrete reading is good. |
| `temperatureIsBad(2)` | The temperature probe discrete reading is bad. |

# 10

# User Security Group

The User Security Table defines the objects that allow administrators to create and modify user accounts and to control which users can perform **Set** operations on managed systems.

## User Security Group Table

The User Security Group defines objects in the User Security MIB table.

### User Security Table

The following object sets up the User Security Table:

| | |
|---|---|
| **Name** | `userSecurityTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800 |
| **Description** | Contains the database of users that are authorized to perform Set operations on a managed system. |
| **Syntax** | UserSecurityTableEntry |
| **Access** | Not accessible |

#### User Security Table Entry

| | |
|---|---|
| **Name** | `userSecurityTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1 |
| **Description** | Defines a row in the User Security Table. |
| **Syntax** | UserSecurityTableEntry |
| **Access** | Not accessible |
| **Index** | userSecuritychassisIndex, userSecurityIndex |

#### User Security Chassis Index

| | |
|---|---|
| **Name** | `userSecuritychassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1.1 |
| **Description** | Defines the user security index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### User Security Index

| | |
|---|---|
| **Name** | `userSecurityIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1.2 |
| **Description** | Defines the user security index. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### User Security User Name

| | |
|---|---|
| **Name** | `userSecurityUserName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1.3 |
| **Description** | Defines the user security user name. |
| **Syntax** | DellSecurityString |
| **Access** | Read-only |

### User Security Control Name

| | |
|---|---|
| **Name** | `userSecurityControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1.4 |
| **Description** | Defines a control name used for creating, deleting, and editing users. |
| **Syntax** | DellSecurityString |
| **Access** | Read-write |

### User Security Request Name

| | |
|---|---|
| **Name** | `userSecurityRequestName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.800.1.5 |
| **Description** | Defines a request name used for creating, deleting, and editing users. |
| **Syntax** | DellSecurityString |
| **Access** | Read-write |

# 11

# Remote Flash BIOS Group

The Remote Flash Basic Input/Output System (BIOS) Table defines the variables used to remotely update the BIOS in a system. The variables also define the capabilities of BIOS updates on the system.

## Remote Flash BIOS Group Table

The Remote Flash BIOS Group defines objects in the Remote Flash BIOS MIB table.

### Remote Flash BIOS Table

The following object sets up the Remote Flash BIOS Table:

| | |
|---|---|
| **Name** | `remoteFlashBIOSTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10 |
| **Description** | Defines the Remote Flash BIOS Table. |
| **Syntax** | RemoteFlashBIOSTableEntry |
| **Access** | Not accessible |

#### Remote Flash BIOS Table Entry

| | |
|---|---|
| **Name** | `remoteFlashBIOSTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1 |
| **Description** | Defines the Remote Flash BIOS Table entry. |
| **Syntax** | RemoteFlashBIOSTableEntry |
| **Access** | Not accessible |
| **Index** | remoteFlashBIOSchassisIndex, remoteFlashBIOSIndex |

### Remote Flash BIOS Chassis Index

| | |
|---|---|
| **Name** | `remoteFlashBIOSchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Flash BIOS Index

| | |
|---|---|
| **Name** | `remoteFlashBIOSIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.2 |
| **Description** | Defines the index to the remote BIOS update hardware on this system. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Flash BIOS State Capabilities Unique

| | |
|---|---|
| **Name** | `remoteFlashBIOSStateCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.3 |
| **Description** | Defines the capabilities of the remote BIOS update hardware on this system. |
| **Syntax** | DellRemoteFlashBIOSStateCapabilitiesUnique (See Table 11-1.) |
| **Access** | Read-only |

### Remote Flash BIOS State Settings Unique

| | |
|---|---|
| **Name** | `remoteFlashBIOSStateSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.4 |
| **Description** | Defines the state and settings of the remote BIOS update hardware on this system. |
| **Syntax** | DellRemoteFlashBIOSStateSettingsUnique (See Table 11-2.) |
| **Access** | Read-write |

### Remote Flash BIOS Status

| | |
|---|---|
| **Name** | `remoteFlashBIOSStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.5 |
| **Description** | Defines the status of the remote BIOS update hardware on this system. |
| **Syntax** | DellRemoteFlashBIOSStateStatus |
| **Access** | Read-only |

### Remote Flash BIOS Last BIOS Date Name

| | |
|---|---|
| **Name** | `remoteFlashBIOSLastBIOSDateName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.6 |
| **Description** | Defines the date of the last BIOS update. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

### Remote Flash BIOS Completion Code

| | |
|---|---|
| **Name** | `remoteFlashBIOSCompletionCode` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.7 |
| **Description** | Defines the completion code of the last BIOS update. |
| **Syntax** | DellRemoteFlashBIOSCompletionCode (See Table 11-3.) |
| **Access** | Read-only |

### Remote Flash BIOS Minimum Contiguous Memory

| | |
|---|---|
| **Name** | `remoteFlashBIOSMinimumContiguousMemory` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.900.10.1.8 |
| **Description** | Defines the minimum size of contiguous memory required for remote BIOS update in kilobytes. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

# Remote Flash BIOS Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 11-1. Remote Flash BIOS State Capabilities Unique**

| **Variable Name:** `DellRemoteFlashBIOSStateCapabilitiesUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The remote flash BIOS's capabilities are unknown. |
| `enableCapable(2)` | The remote flash BIOS can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReadyCapable(4)` | The remote flash BIOS can be set to indicate not ready. |
| `cancelCapable(8)` | Flash of BIOS can be canceled. |
| `enableAndCancelCapable(10)` | Flash of BIOS can be enabled or canceled. |

**Table 11-2. Remote Flash BIOS State Settings**

| **Variable Name:** `DellRemoteFlashBIOSStateSettingsUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The remote flash BIOS's capabilities are unknown. |
| `enabled(2)` | The remote flash BIOS update is disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `notReady(4)` | The remote flash BIOS's state is not ready. |
| `canceled(8)` | The remote flash BIOS has been canceled. |
| `pending(16)` | The remote flash BIOS update is pending. |
| `other(32)` | The remote flash BIOS state/setting is not one of the previous values. |

**Table 11-3. Remote Flash BIOS Completion Code**

| **Variable Name:** `DellRemoteFlashBIOSCompletionCode`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `completionCodeIsOther(1)` | The completion code status is not one of the following: |
| `completionCodeIsUnknown(2)` | The completion code is unknown (not known or not monitored). |
| `completionCodeIsOK(3)` | This completion code completed successfully. |
| `completionCodeIsBadImage(4)` | This completion code is a bad flash BIOS image. |
| `completionCodeIsNoFileAccess(5)` | Flash BIOS could not be accessed. |
| `completionCodeIsNotReady(6)` | Flash BIOS memory not ready. |
| `completionCodeIsDisabled(7)` | Flash BIOS is currently disabled. |
| `completionCodeIsNoBattery(8)` | A battery must be installed. |
| `completionCodeIsNoChargedBattery(9)` | A fully charged battery must be installed. |
| `completionCodeIsNoExternalPower(10)` | An external power adapter must be connected. |
| `completionCodeIsNo12VoltSet(11)` | 12 volts (V) could not be set. |
| `completionCodeIsNo12VoltRemoval(12)` | 12 V could not be removed. |
| `completionCodeIsFlashMemoryFailed(13)` | A flash memory failure occurred. |
| `completionCodeIsGeneralFailure(14)` | A general failure occurred. |
| `completionCodeIsDataMiscompare(15)` | A data miscompare error occurred. |
| `completionCodeIsNoImageFound(16)` | The flash BIOS image could not be found in memory. |
| `completionCodeIsNoUpdatePerformed(17)` | No update operation has been performed. |

# 12

# Port Group

The Port Group provides information about the different types of ports that may be present in your system. This management information base (MIB) group also provides information about the capabilities, states, and settings that are possible for each port.

## Port Group Tables

The following MIB tables define objects in the Port Group:

- Pointing Port Table
- Keyboard Port Table
- Processor Port Table
- Memory Device Port Table
- Monitor Port Table
- Small Computer System Interface (SCSI) Port Table
- Parallel Port Table
- Serial Port Table
- Universal Serial Bus (USB) Port Table

### Pointing Port Table

| | |
|---|---|
| **Name** | `pointingPortTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10 |
| **Description** | Defines the Pointing Port Table. |
| **Syntax** | IntegerPointingPortTableEntry |
| **Access** | Not accessible |

### Pointing Port Table Entry

| | |
|---|---|
| **Name** | `pointingPortTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.1 |
| **Description** | Defines the Pointing Port Table entry. |
| **Syntax** | PointingPortTableEntry |
| **Access** | Not accessible |
| **Index** | pointingPortchassisIndex, pointingPortIndex |

### Pointing Port Chassis Index

| | |
|---|---|
| **Name** | `pointingPortchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Pointing Port Index

| | |
|---|---|
| **Name** | `pointingPortIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.1.2 |
| **Description** | Defines the index of the pointing ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Pointing Port State Capabilities

| | |
|---|---|
| **Name** | `pointingPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.3 |
| **Description** | Defines the capabilities of the pointing port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Pointing Port State Settings

| | |
|---|---|
| **Name** | pointingPortStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.4 |
| **Description** | Defines the state and settings of the pointing port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Pointing Port Status

| | |
|---|---|
| **Name** | pointingPortStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.5 |
| **Description** | Defines the status of the pointing port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Pointing Port Security State

| | |
|---|---|
| **Name** | pointingPortSecurityState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.6 |
| **Description** | Defines the security settings of the pointing port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Pointing Port Connector Type

| | |
|---|---|
| **Name** | pointingPortConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.7 |
| **Description** | Defines the connector type of the pointing port. |
| **Syntax** | DellPointingPortConnectorType (See Table 12-1.) |
| **Access** | Read-only |

### Pointing Port Name

| | |
|---|---|
| **Name** | pointingPortName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.8 |
| **Description** | Defines the name of the pointing port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Pointing Port BIOS Connector Type

| | |
|---|---|
| **Name** | pointingPortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.10.9 |
| **Description** | Defines the basic input/output system (BIOS) connector type of the pointing port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

## Keyboard Port Table

| | |
|---|---|
| **Name** | keyboardPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20 |
| **Description** | Defines the Keyboard Port Table. |
| **Syntax** | IntegerKeyboardPortTableEntry |
| **Access** | Not accessible |

### Keyboard Port Table Entry

| | |
|---|---|
| **Name** | keyboardPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1 |
| **Description** | Defines the Keyboard Port Table entry. |
| **Syntax** | KeyboardPortTableEntry |
| **Access** | Not accessible |
| **Index** | keyboardPortchassisIndex, keyboardPortIndex |

### Keyboard Port Chassis Index

| | |
|---|---|
| **Name** | keyboardPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Keyboard Port Index

| | |
|---|---|
| **Name** | keyboardPortIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.2 |
| **Description** | Defines the index of the keyboard ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Keyboard Port State Capabilities

| | |
|---|---|
| **Name** | keyboardPortStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.3 |
| **Description** | Defines the capabilities of the keyboard port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Keyboard Port State Settings

| | |
|---|---|
| **Name** | keyboardPortStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.4 |
| **Description** | Defines the state and settings of the keyboard port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### Keyboard Port Status

| | |
|---|---|
| **Name** | `keyboardPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.5 |
| **Description** | Defines the status of the keyboard port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Keyboard Port Security State

| | |
|---|---|
| **Name** | `keyboardPortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.6 |
| **Description** | Defines the security settings of the keyboard port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Keyboard Port Connector Type

| | |
|---|---|
| **Name** | `keyboardPortConnectorType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.7 |
| **Description** | Defines the connector type of the keyboard port. |
| **Syntax** | DellKeyboardPortConnectorType (See Table 12-2.) |
| **Access** | Read-only |

### Keyboard Port Name

| | |
|---|---|
| **Name** | `keyboardPortName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.8 |
| **Description** | Defines the name of the keyboard port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Keyboard Port BIOS Connector Type

| | |
|---|---|
| **Name** | keyboardPortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.20.1.9 |
| **Description** | Defines the BIOS connector type of the keyboard port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

## Processor Port Table

| | |
|---|---|
| **Name** | processorPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30 |
| **Description** | Defines the Processor Port Table. |
| **Syntax** | IntegerProcessorPortTableEntry |
| **Access** | Not accessible |

### Processor Port Table Entry

| | |
|---|---|
| **Name** | processorPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1 |
| **Description** | Defines the Processor Port Table entry. |
| **Syntax** | ProcessorPortTableEntry |
| **Access** | Not accessible |
| **Index** | processorPortchassisIndex, processorPortIndex |

### Processor Port Chassis Index

| | |
|---|---|
| **Name** | processorPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Port Index

| | |
|---|---|
| **Name** | `processorPortIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.2 |
| **Description** | Defines the index of the processor ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Port State Capabilities

| | |
|---|---|
| **Name** | `processorPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.3 |
| **Description** | Defines the capabilities of the processor port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Processor Port State Settings

| | |
|---|---|
| **Name** | `processorPortStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.4 |
| **Description** | Defines the state and settings of the processor port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Processor Port Status

| | |
|---|---|
| **Name** | `processorPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.5 |
| **Description** | Defines the status of the processor port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Processor Port Security State

| | |
|---|---|
| **Name** | `processorPortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.6 |
| **Description** | Defines the security settings of the processor port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Processor Port Connector Type

| | |
|---|---|
| **Name** | `processorPortConnectorType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.7 |
| **Description** | Defines the connector type of the processor port. |
| **Syntax** | DellProcessorPortConnectorType (See Table 12-3.) |
| **Access** | Read-only |

### Processor Port Name

| | |
|---|---|
| **Name** | `processorPortName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.8 |
| **Description** | Defines name of the processor port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Processor Port BIOS Connector Type

| | |
|---|---|
| **Name** | `processorPortBIOSConnectorType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.30.1.9 |
| **Description** | Defines the BIOS connector type of the processor port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

## Memory Device Port Table

| | |
|---|---|
| **Name** | memoryDevicePortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40 |
| **Description** | Defines the Memory Device Port Table. |
| **Syntax** | IntegerMemoryDevicePortTableEntry |
| **Access** | Not accessible |

### Memory Device Port Table Entry

| | |
|---|---|
| **Name** | memoryDevicePortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1 |
| **Description** | Defines the Memory Device Port Table entry. |
| **Syntax** | MemoryDevicePortTableEntry |
| **Access** | Not accessible |
| **Index** | memoryDevicePortchassisIndex, memoryDevicePortIndex |

### Memory Device Port Chassis Index

| | |
|---|---|
| **Name** | memoryDevicePortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Port Index

| | |
|---|---|
| **Name** | memoryDevicePortIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.2 |
| **Description** | Defines the index of the memory device port in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Port State Capabilities

| | |
|---|---|
| **Name** | `memoryDevicePortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.3 |
| **Description** | Defines the capabilities of the memory device port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Memory Device Port State Settings

| | |
|---|---|
| **Name** | `memoryDevicePortStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.4 |
| **Description** | Defines the state and settings of the memory device port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Memory Device Port Status

| | |
|---|---|
| **Name** | `memoryDevicePortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.5 |
| **Description** | Defines the status of the memory device port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Memory Device Port Security State

| | |
|---|---|
| **Name** | `memoryDevicePortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.6 |
| **Description** | Defines the security settings of the memory device port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Memory Device Port Connector Type

| | |
|---|---|
| **Name** | memoryDevicePortConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.7 |
| **Description** | Defines the connector type of the memory device port. |
| **Syntax** | DellMemoryDevicePortConnectorType (See Table 12-4.) |
| **Access** | Read-only |

### Memory Device Port Name

| | |
|---|---|
| **Name** | memoryDevicePortName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.8 |
| **Description** | Defines the name of the memory device port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Port BIOS Connector Type

| | |
|---|---|
| **Name** | memoryDevicePortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.9 |
| **Description** | Defines the BIOS connector type of the memory device port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

### Memory Device Port Physical Memory Array Index Reference

| | |
|---|---|
| **Name** | memoryDevicePortPhysicalMemoryArrayIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.10 |
| **Description** | Defines the index to the associated physical memory array. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Port Physical Memory Card Index Reference

| | |
|---|---|
| **Name** | memoryDevicePortPhysicalMemoryCardIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.40.1.11 |
| **Description** | Defines the index (one-based) of the Physical Memory Card Table entry for the physical memory card with the same chassis index that this memory device port is associated with (if any). |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

## Monitor Port Table

| | |
|---|---|
| **Name** | monitorPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50 |
| **Description** | Defines the Monitor Port Table. |
| **Syntax** | IntegerMonitorPortTableEntry |
| **Access** | Not accessible |

### Monitor Port Table Entry

| | |
|---|---|
| **Name** | monitorPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1 |
| **Description** | Defines the Monitor Port Table entry. |
| **Syntax** | MonitorPortTableEntry |
| **Access** | Not accessible |
| **Index** | monitorPortchassisIndex, monitorPortIndex |

### Monitor Port Chassis Index

| | |
|---|---|
| **Name** | monitorPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.1 |
| **Description** | Defines the index (one-based) of this chassis |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Monitor Port Index

| | |
|---|---|
| **Name** | monitorPortIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.2 |
| **Description** | Defines the index of the monitor ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Monitor Port State Capabilities

| | |
|---|---|
| **Name** | monitorPortStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.3 |
| **Description** | Defines the capabilities of the monitor port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Monitor Port State Settings

| | |
|---|---|
| **Name** | monitorPortStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.4 |
| **Description** | Defines the state of the monitor port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Monitor Port Status

| | |
|---|---|
| **Name** | monitorPortStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.5 |
| **Description** | Defines the status of the monitor port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Monitor Port Security State

| | |
|---|---|
| **Name** | monitorPortSecurityState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.6 |
| **Description** | Defines the security settings of the monitor port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Monitor Port Connector Type

| | |
|---|---|
| **Name** | monitorPortConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.7 |
| **Description** | Defines the connector type of the monitor port. |
| **Syntax** | DellMonitorPortConnectorTypes (See Table 12-5.) |
| **Access** | Read-only |

### Monitor Port Name

| | |
|---|---|
| **Name** | monitorPortName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.8 |
| **Description** | Defines the name of the monitor port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Monitor Port BIOS Connector Type

| | |
|---|---|
| **Name** | monitorPortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.50.1.9 |
| **Description** | Defines the name of the BIOS connector type of the monitor port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

### Small Computer System Interface (SCSI) Port Table

| | |
|---|---|
| **Name** | sCSIPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60 |
| **Description** | Defines the SCSI Port Table. |
| **Syntax** | IntegerSCSIPortTableEntry |
| **Access** | Not accessible |

#### SCSI Port Table Entry

| | |
|---|---|
| **Name** | sCSIPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1 |
| **Description** | Defines the SCSI Port Table entry. |
| **Syntax** | SCSIPortTableEntry |
| **Access** | Not accessible |
| **Index** | sCSIPortchassisIndex, sCSIPortIndex |

#### SCSI Port Chassis Index

| | |
|---|---|
| **Name** | sCSIPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### SCSI Port Index

| | |
|---|---|
| **Name** | sCSIPortIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.2 |
| **Description** | Defines the index of the SCSI ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### SCSI Port State Capabilities

| | |
|---|---|
| **Name** | `sCSIPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.3 |
| **Description** | Defines the capabilities of the SCSI port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### SCSI Port State Settings

| | |
|---|---|
| **Name** | `DellStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.4 |
| **Description** | Defines the state and settings of the SCSI port. |
| **Syntax** | DellStatus |
| **Access** | Read-write |

### SCSI Port Status

| | |
|---|---|
| **Name** | `sCSIPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.5 |
| **Description** | Defines the status of the SCSI port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### SCSI Port Security State

| | |
|---|---|
| **Name** | `sCSIPortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.6 |
| **Description** | Defines the security settings of the SCSI port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### SCSI Port Connector Type

| | |
|---|---|
| **Name** | sCSIPortConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.7 |
| **Description** | Defines the connector type of the SCSI port. |
| **Syntax** | DellSCSIPortConnectorType (See Table 12-6.) |
| **Access** | Read-only |

### SCSI Port Name

| | |
|---|---|
| **Name** | sCSIPortName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.8 |
| **Description** | Defines the name of the SCSI port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### SCSI Port BIOS Connector Type

| | |
|---|---|
| **Name** | sCSIPortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.60.1.9 |
| **Description** | Defines the BIOS connector type of the SCSI port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

## Parallel Port Table

| | |
|---|---|
| **Name** | parallelPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70 |
| **Description** | Defines the Parallel Port Table. |
| **Syntax** | IntegerParallelPortTableEntry |
| **Access** | Not accessible |

### Parallel Port Table Entry

| | |
|---|---|
| **Name** | `parallelPortTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1 |
| **Description** | Defines the Parallel Port Table entry. |
| **Syntax** | ParallelPortTableEntry |
| **Access** | Not accessible |
| **Index** | parallelPortchassisIndex, parallelPortIndex |

### Parallel Port Chassis Index

| | |
|---|---|
| **Name** | `parallelPortchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Parallel Port Index

| | |
|---|---|
| **Name** | `parallelPortIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.2 |
| **Description** | Defines the index of the parallel ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Parallel Port State Capabilities

| | |
|---|---|
| **Name** | `parallelPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.3 |
| **Description** | Defines the capabilities of the parallel port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Parallel Port State Settings

| | |
|---|---|
| **Name** | `parallelPortStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.4 |
| **Description** | Defines the state and settings of the parallel port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Parallel Port Status

| | |
|---|---|
| **Name** | `parallelPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.5 |
| **Description** | Defines the status of the parallel port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Parallel Port Security State

| | |
|---|---|
| **Name** | `DellPortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.6 |
| **Description** | Defines the security state of the parallel port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Parallel Port Connector Type

| | |
|---|---|
| **Name** | `parallelPortConnectorType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.7 |
| **Description** | Defines the connector type of the parallel port. |
| **Syntax** | DellParallelPortConnectorType |
| **Access** | Read-only |

### Parallel Port Name

| | |
|---|---|
| **Name** | `parallelPortName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.8 |
| **Description** | Defines the name of the parallel port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Parallel Port Connector Pin Out

| | |
|---|---|
| **Name** | `parallelPortConnectorPinOut` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.9 |
| **Description** | Defines the pinout of the parallel port. |
| **Syntax** | DellParallelPortConnectorPinout |
| **Access** | Read-only |

### Parallel Port Capabilities Unique

| | |
|---|---|
| **Name** | `parallelPortCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.10 |
| **Description** | Defines the capabilities of the parallel port. |
| **Syntax** | DellParallelPortConnectorPinout |
| **Access** | Read-only |

### Parallel Port Base I/O Address

| | |
|---|---|
| **Name** | `parallelPortBaseIOAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.11 |
| **Description** | Defines the Base Input/Output (I/O) address of the parallel port. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### Parallel Port IRQ Level

| | |
|---|---|
| **Name** | parallelPortIRQLevel |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.12 |
| **Description** | Defines the Interrupt Request Level (IRQ) of the parallel port. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### Parallel Port DMA Support

| | |
|---|---|
| **Name** | parallelPortDMASupport |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.70.1.13 |
| **Description** | Defines if direct memory access (DMA) is supported by the parallel port. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

## Serial Port Table

| | |
|---|---|
| **Name** | serialPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80 |
| **Description** | Defines the Serial Port Table. |
| **Syntax** | IntegerSerialPortTableEntry |
| **Access** | Not accessible |

### Serial Port Table Entry

| | |
|---|---|
| **Name** | serialPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1 |
| **Description** | Defines the Serial Port Table entry. |
| **Syntax** | SerialPortTableEntry |
| **Access** | Not accessible |

### Serial Port Chassis Index

| | |
|---|---|
| **Name** | `serialPortchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Serial Port Index

| | |
|---|---|
| **Name** | `serialPortIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.2 |
| **Description** | Defines the index of the serial ports in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Serial Port State Capabilities

| | |
|---|---|
| **Name** | `serialPortStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.3 |
| **Description** | Defines the capabilities of the serial port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Serial Port State Settings

| | |
|---|---|
| **Name** | `serialPortStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.4 |
| **Description** | Defines the state and settings of the serial port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Serial Port Status

| | |
|---|---|
| **Name** | `serialPortStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.5 |
| **Description** | Defines the status of the serial port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Serial Port Security State

| | |
|---|---|
| **Name** | `serialPortSecurityState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.6 |
| **Description** | Defines the security settings of the serial port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### Serial Port Connector Type

| | |
|---|---|
| **Name** | `serialPortConnectorType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.7 |
| **Description** | Defines connector type of the serial port. |
| **Syntax** | DellSerialPortConnectorType |
| **Access** | Read-only |

### Serial Port Name

| | |
|---|---|
| **Name** | `serialPortName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.8 |
| **Description** | Defines the name of the serial port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Serial Port Maximum Speed

| | |
|---|---|
| **Name** | `serialPortMaximumSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.9 |
| **Description** | Defines the maximum speed the serial interface can support in bits per second (bps). |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Serial Port Capabilities Unique

| | |
|---|---|
| **Name** | `serialPortCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.10 |
| **Description** | Defines additional capabilities of the serial port. |
| **Syntax** | DellSerialPortCapabilitiesUnique |
| **Access** | Read-only |

### Serial Port Base I/O Address

| | |
|---|---|
| **Name** | `serialPortBaseIOAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.11 |
| **Description** | Defines the base I/O address of the serial port. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### Serial Port IRQ Level

| | |
|---|---|
| **Name** | `serialPortIRQLevel` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.80.1.12 |
| **Description** | Defines the IRQ of the serial port. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

## Universal Serial Bus (USB) Port Table

| | |
|---|---|
| **Name** | uSBPortTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90 |
| **Description** | Defines the USB Port Table. |
| **Syntax** | IntegerUSBPortTableEntry |
| **Access** | Not accessible |

### USB Port Table Entry

| | |
|---|---|
| **Name** | uSBPortTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1 |
| **Description** | Defines the USB Port Table entry. |
| **Syntax** | USBPortTableEntry |
| **Access** | Not accessible |
| **Index** | pointingPortchassisIndex, pointingPortIndex |

### USB Port Chassis Index

| | |
|---|---|
| **Name** | uSBPortchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### USB Port Index

| | |
|---|---|
| **Name** | uSBPortIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.2 |
| **Description** | Defines the index of the USB ports in this chassis |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### USB Port State Capabilities

| | |
|---|---|
| **Name** | uSBPortStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.3 |
| **Description** | Defines the capabilities of the USB port. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### USB Port State Settings

| | |
|---|---|
| **Name** | uSBPortStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.4 |
| **Description** | Defines the state and settings of the USB port. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### USB Port Status

| | |
|---|---|
| **Name** | uSBPortStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.5 |
| **Description** | Defines the state of the USB port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### USB Port Security State

| | |
|---|---|
| **Name** | uSBPortSecurityState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.6 |
| **Description** | Defines the security settings of the USB port. |
| **Syntax** | DellPortSecurityState |
| **Access** | Read-only |

### USB Port Connector Type

| | |
|---|---|
| **Name** | uSBPortConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.7 |
| **Description** | Defines the connector type of the USB port. |
| **Syntax** | DellUSBPortConnectorType |
| **Access** | Read-only |

### USB Port Name

| | |
|---|---|
| **Name** | uSBPortName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.8 |
| **Description** | Defines the name of the USB port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### USB Port BIOS Connector Type

| | |
|---|---|
| **Name** | uSBPortBIOSConnectorType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1000.90.1.9 |
| **Description** | Defines the BIOS connector type of the USB port. |
| **Syntax** | DellGenericPortConnectorType |
| **Access** | Read-only |

# Port Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 12-1. Pointing Port Connector Type**

| **Variable Name:** `DellPointingPortConnectorType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The pointing port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The pointing port connector type is unknown. |
| `connectorPortTypeIsSerial(3)` | The pointing port connector type is serial. |
| `connectorPortTypeIsPS2(4)` | The pointing port connector type is a Personal System/2 (PS/2). |
| `connectorPortTypeIsInfrared(5)` | The pointing port connector type is infrared. |
| `connectorPortTypeIsHPHIL(6)` | The pointing port connector type is HP-HIL. |
| `connectorPortTypeIsBusMouse(7)` | The pointing port connector type is a bus mouse. |
| `connectorPortTypeIsADB(8)` | The pointing port connector type is ADB. |
| `connectorPortTypeIsDB9(9)` | The pointing port connector type is nine-pin DB-9. |
| `connectorPortTypeIsMicroDIN(10)` | The pointing port connector type is micro Deutsche Industrie Norm (DIN). |
| `connectorPortTypeIsAccessBusUSB(11)` | The pointing port connector type is Access Bus USB. |
| `connectorPortTypeIsPC98(12)` | The port connector type is a PC-98. |

**Table 12-2. Keyboard Port Connector Types**

| **Variable Name:** `DellKeyboardPortConnectorType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The keyboard port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The keyboard port connector type is unknown. |
| `connectorPortTypeIsMiniDIN(3)` | The keyboard port connector type is a mini DIN. |
| `connectorPortTypeIsMicroDIN(4)` | The keyboard port connector type is a MicroDIN. |
| `connectorPortTypeIsPS2(5)` | The keyboard port connector type is PS/2. |
| `connectorPortTypeIsInfrared(6)` | The keyboard port connector type is infrared. |
| `connectorPortTypeIsHPHIL(7)` | The keyboard port connector type is HP-HIL. |
| `connectorPortTypeIsDB9(8)` | The keyboard port connector type is DB-9. |
| `connectorPortTypeIsAccessBusUSB(9)` | The keyboard port connector type is bus USB. |
| `connectorPortTypeIsPC98(10)` | The keyboard port connector type is PC-98. |

**Table 12-3. Processor Port Connector Types**

| **Variable Name:** `DellProcessorPortConnectorType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The processor port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The processor port connector type is unknown. |
| `connectorPortTypeIsDaughterdBoard(3)` | The processor port connector type is a daughter board. |
| `connectorPortTypeIsZIFSocket(4)` | The processor port connector type is a zero insertion force (ZIF) socket. |
| `connectorPortTypeIsAPiggyBackBoard(5)` | The processor port connector type is a replacement piggyback board. |
| `connectorPortTypeIsNone(6)` | There is no processor port connector; processor is soldered in place. |
| `connectorPortTypeIsLIFSocket(7)` | The processor port connector type is a low insertion force (LIF) socket. |
| `connectorPortTypeIsSlot1(8)` | The processor port connector type is a slot one. |
| `connectorPortTypeIsSlot2(9)` | The processor port connector type is a slot two. |
| `connectorPortTypeIs370PinSocket(10)` | The processor port connector type is a 370 pin socket. |

**Table 12-4. Memory Device Port Connector Types**

| **Variable Name:** `DellMemoryDevicePortConnectorType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Value** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The memory device port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The memory device port connector type is unknown. |
| `connectorPortTypeIsSIMM(3)` | The memory device port connector type is a single in-line memory module (SIMM). |
| `connectorPortTypeIsSIP(4)` | The memory device port connector type is a SIP. |
| `connectorPortTypeIsAChip(5)` | The memory device port connector type is a chip. |
| `connectorPortTypeIsDIP(6)` | The memory device port connector type is a dual in-line package (DIP). |
| `connectorPortTypeIsZIP(7)` | The memory device port connector type is a ZIP. |
| `connectorPortTypeIsAProprietaryCard(8)` | The memory device port connector type is a proprietary card. |
| `connectorPortTypeIsDIMM(9)` | The memory device port connector type is a dual in-line memory module (DIMM). |
| `connectorPortTypeIsTSOP(10)` | The memory device port connector type is a TSOP. |
| `connectorPortTypeIsARowOfChips(11)` | The memory device port connector type is a row of chips. |
| `connectorPortTypeIsRIMM(12)` | The memory device port connector type is a Rambus Inline Memory Module (RIMM). |
| `connectorPortTypeIsSODIMM(13)` | The memory device port connector type is a small outline, dual in-line memory module (SODIMM). |
| `connectorPortTypeIsSRIMM(14)` | The memory device port connector type is a SRIMM. |

**Table 12-5. Monitor Port Connector Types**

| **Variable Name:** `DellMonitorPortConnectorType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The monitor port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The monitor port connector type is unknown. |
| `connectorPortTypeIsDB15PinMale(3)` | The monitor port connector type is a male DB-15. |
| `connectorPortTypeIsDB15PinFemale(4)` | The monitor port connector type is a female DB-15. |

**Table 12-6. SCSI Port Connector Types**

| **Variable Name:** `DellSCSIPortConnectorType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `connectorPortTypeIsOther(1)` | The SCSI port connector type is not one of the following: |
| `connectorPortTypeIsUnknown(2)` | The SCSI port connector type is unknown. |
| `connectorPortTypeIsDIN25pin(3)` | The SCSI port connector type is a DIN 25-pin. |
| `connectorPortTypeIsDIN50pin(4)` | The SCSI port connector type is a DIN 50-pin. |
| `connectorPortTypeIsDIN68pin(5)` | The SCSI port connector type is a DIN 68-pin. |

# 13

# Device Group

The Device Group provides information about different types of pointing, keyboard, processor, cache, memory, and peripheral component interconnect (PCI) devices. Variables in this group cover information about type, settings, configuration, manufacturer, address or location, and if applicable, the speed of the device.

## Device Tables

The following management information base (MIB) tables define objects in the Device Group:

- Pointing Device Table
- Keyboard Device Table
- Processor Device Table
- Processor Device Status Table
- Cache Device Table
- Memory Device Table
- Memory Device Mapped Address Table
- Generic Device Table
- PCI Device Table
- PCI Device Configuration Space Table
- Network Device Table

### Pointing Device Table

| | |
|---|---|
| **Name** | `pointingDeviceTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10 |
| **Description** | Defines the Pointing Device Table. This group of objects references the Pointing Port Index (See Section 12). |
| **Syntax** | SEQUENCE OF PointingDeviceTableEntry |
| **Access** | Not accessible |

### Pointing Device Table Entry

| | |
|---|---|
| **Name** | pointingDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1 |
| **Description** | Defines the Pointing Device Table entry. |
| **Syntax** | PointingDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | pointingDevicechassisIndex, pointingDeviceIndex |

### Pointing Device Chassis Index

| | |
|---|---|
| **Name** | pointingDevicechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Pointing Device Index

| | |
|---|---|
| **Name** | pointingDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.2 |
| **Description** | Defines the index of the pointing device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Pointing Device State Capabilities

| | |
|---|---|
| **Name** | pointingDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.3 |
| **Description** | Defines the capabilities of the pointing device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Pointing Device State Settings

| | |
|---|---|
| **Name** | pointingDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.4 |
| **Description** | Defines the state of the pointing device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Pointing Device Status

| | |
|---|---|
| **Name** | pointingDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.5 |
| **Description** | Defines the status of the pointing device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Pointing Port Index Reference

| | |
|---|---|
| **Name** | pointingPortIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.6 |
| **Description** | Defines the index to the pointing port in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Pointing Device Type

| | |
|---|---|
| **Name** | pointingDeviceType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.7 |
| **Description** | Defines the type of the pointing device. |
| **Syntax** | DellPointingDeviceType (See Table 13-1.) |
| **Access** | Read-only |

### Pointing Device Number of Buttons

| | |
|---|---|
| **Name** | pointingDeviceNumberofButtons |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.10.1.8 |
| **Description** | Defines the number of buttons on the pointing device. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

## Keyboard Device Table

| | |
|---|---|
| **Name** | keyboardDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20 |
| **Description** | Defines the Keyboard Device Table. This table references the Keyboard Port Index (See Section 12). |
| **Syntax** | SEQUENCE OF KeyboardDeviceTableEntry |
| **Access** | Not accessible |

### Keyboard Device Table Entry

| | |
|---|---|
| **Name** | keyboardDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1 |
| **Description** | Defines the Keyboard Device Table entry. |
| **Syntax** | KeyboardDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | keyboardDevicechassisIndex, keyboardDeviceIndex |

### Keyboard Device Chassis Index

| | |
|---|---|
| **Name** | keyboardDevicechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Keyboard Device Index

| | |
|---|---|
| **Name** | keyboardDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.2 |
| **Description** | Defines the index of the keyboard device for this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Keyboard Device State Capabilities

| | |
|---|---|
| **Name** | keyboardDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.3 |
| **Description** | Defines the capabilities of the keyboard device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Keyboard Device State Settings

| | |
|---|---|
| **Name** | keyboardDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.4 |
| **Description** | Defines the state of the keyboard device. |
| **Syntax** | DellStatesSettings |
| **Access** | Read-write |

### Keyboard Device Status

| | |
|---|---|
| **Name** | keyboardDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.5 |
| **Description** | Defines the status of the keyboard device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Keyboard Port Index Reference

| | |
|---|---|
| **Name** | keyboardPortIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.6 |
| **Description** | Defines the index to the associated the keyboard port in this chassis. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Keyboard Device Type Name

| | |
|---|---|
| **Name** | keyboardDeviceTypeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.7 |
| **Description** | Defines the name of the keyboard type. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Keyboard Device Layout Name

| | |
|---|---|
| **Name** | keyboardDeviceLayoutName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.20.1.8 |
| **Description** | Defines the name of the keyboard layout. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Processor Device Table

| | |
|---|---|
| **Name** | processorDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30 |
| **Description** | Defines the Processor Device Table. |
| **Syntax** | SEQUENCE OF ProcessorDeviceTableEntry |
| **Access** | Not accessible |

### Processor Device Table Entry

| | |
|---|---|
| **Name** | `processorDeviceTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1 |
| **Description** | Defines the Processor Device Table entry. |
| **Syntax** | ProcessorDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | processorDevicechassisIndex, processorDeviceIndex |

### Processor Device Chassis Index

| | |
|---|---|
| **Name** | `processorDevicechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Device Index

| | |
|---|---|
| **Name** | `processorDeviceIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.2 |
| **Description** | Defines the index of the processor device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Device State Capabilities

| | |
|---|---|
| **Name** | `processorDeviceStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.3 |
| **Description** | Defines the capabilities of the processor device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Processor Device State Settings

| | |
|---|---|
| **Name** | processorDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.4 |
| **Description** | Defines the state of the processor device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Processor Device Status

| | |
|---|---|
| **Name** | processorDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.5 |
| **Description** | Defines the status of the processor device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Processor Port Index Reference

| | |
|---|---|
| **Name** | processorPortIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.6 |
| **Description** | Defines the index to the associated processor port in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Device Type

| | |
|---|---|
| **Name** | processorDeviceType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.7 |
| **Description** | Defines the type of processor device. |
| **Syntax** | DellProcessorDeviceType (See Table 13-4) |
| **Access** | Read-only |

### Processor Device Manufacturer Name

| | |
|---|---|
| **Name** | `processorDeviceManufacturerName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.8 |
| **Description** | Defines the name of manufacturer of the processor device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Processor Device Status State

| | |
|---|---|
| **Name** | `processorDeviceStatusState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.9 |
| **Description** | Defines the status state of the processor device. |
| **Syntax** | DellProcessorDeviceStatusState (See Table 13-2.) |
| **Access** | Read-only |

### Processor Device Family

| | |
|---|---|
| **Name** | `processorDeviceFamily` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.10 |
| **Description** | Defines the family of the processor device. |
| **Syntax** | DellProcessorDeviceFamily (See Table 13-6.) |
| **Access** | Read-only |

### Processor Device Maximum Speed

| | |
|---|---|
| **Name** | `processorDeviceMaximumSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.11 |
| **Description** | Defines the maximum speed of the processor device in megahertz (MHz). A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device Current Speed

| | |
|---|---|
| **Name** | `processorDeviceCurrentSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.12 |
| **Description** | Defines the current speed of the processor device in MHz. A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device External Clock Speed

| | |
|---|---|
| **Name** | `processorDeviceExternalClockSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.13 |
| **Description** | Defines the speed of the external clock (the front-side bus speed) for the processor device in MHz. A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device Voltage

| | |
|---|---|
| **Name** | `processorDeviceVoltage` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.14 |
| **Description** | Defines the voltage powering the processor device in millivolts. A zero (0) indicates the speed is unknown. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Processor Device Upgrade Information

| | |
|---|---|
| **Name** | `processorDeviceUpgradeInformation` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.15 |
| **Description** | Defines the processor upgrade information for the processor device. |
| **Syntax** | DellProcessorUpgradeInformation (See Table 13-5.) |
| **Access** | Read-only |

### Processor Device Version Name

| | |
|---|---|
| **Name** | `processorDeviceVersionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.16 |
| **Description** | Defines the version name of the processor device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Processor Device Core Count

| | |
|---|---|
| **Name** | `processorDeviceCoreCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.17 |
| **Description** | Defines the number of processor cores detected for the processor device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device Core Enabled Count

| | |
|---|---|
| **Name** | `processorDeviceCoreEnabledCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.18 |
| **Description** | Defines the number of processor cores enabled for the processor device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device Thread Count

| | |
|---|---|
| **Name** | `processorDeviceThreadCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.19 |
| **Description** | Defines the number of processor threads detected for the processor device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Processor Device Characteristics

| | |
|---|---|
| **Name** | `processorDeviceCharacteristics` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.20 |
| **Description** | This attribute defines characteristics of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).<br>**NOTE:** Bits 2-15 need to be examined in the context of bit 1. If bit 1 is set, the processor characteristics are unknown and bits 2-15 cannot be used to determine if the functions associated with the bits are supported.<br>Bit Position — Meaning if Set<br>Bit 0 — Reserved<br>Bit 1 — Unknown<br>Bit 2 — 64-bit capable<br>Bit 3-15 — Reserved |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Processor Device Extended Capabilities

| | |
|---|---|
| **Name** | `processorDeviceExtendedCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.21 |
| **Description** | This attribute defines extended capabilities of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).<br>Bit Position — Meaning if Set<br>Bit 0 — Virtualization Technology (VT) supported<br>Bit 1 — Demand-Based Switching (DBS) supported<br>Bit 2 — eXecute Disable (XD) supported<br>Bit 3 — Hyper-Threading (HT) supported |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Processor Device Extended Settings

| | |
|---|---|
| **Name** | `processorDeviceExtendedSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.22 |
| **Description** | This attribute defines extended settings of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).<br>Bit Position — Meaning if Set<br>Bit 0 — Virtualization Technology (VT) enabled<br>Bit 1 — Demand Based Switching (DBS) enabled<br>Bit 2 — eXecute Disable (XD) enabled<br>Bit 3 — Hyper-Threading (HT) enabled |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Processor Device Brand Name

| | |
|---|---|
| **Name** | `processorDeviceBrandName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.23 |
| **Description** | Defines the brand of the processor device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Processor Device Model Name

| | |
|---|---|
| **Name** | `processorDeviceModelName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.24 |
| **Description** | Defines the model of the processor device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Processor Device Stepping Name

| | |
|---|---|
| **Name** | processorDeviceSteppingName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.30.1.25 |
| **Description** | Defines the stepping of the processor device. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Processor Device Status Table

| | |
|---|---|
| **Name** | processorDeviceStatusTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32 |
| **Description** | Defines the Processor Device Status Table. |
| **Syntax** | SEQUENCE OF ProcessorDeviceStatusTableEntry |
| **Access** | Not accessible |

### Processor Device Status Table Entry

| | |
|---|---|
| **Name** | processorDeviceStatusTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1 |
| **Description** | Defines the Processor Device Status Table Entry. |
| **Syntax** | ProcessorDeviceStatusTableEntry |
| **Access** | Not accessible |
| **Index** | processorDeviceStatusChassisIndex, processorDeviceStatusIndex |

### Processor Device Status Chassis Index

| | |
|---|---|
| **Name** | processorDeviceStatusChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Device Status Index

| | |
|---|---|
| **Name** | `processorDeviceStatusIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.2 |
| **Description** | Defines the index (one-based) of the processor device status probe. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Processor Device Status State Capabilities

| | |
|---|---|
| **Name** | `processorDeviceStatusStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.3 |
| **Description** | Defines the state capabilities of the processor device status probe. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Processor Device Status State Settings

| | |
|---|---|
| **Name** | `processorDeviceStatusStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.4 |
| **Description** | Defines the state settings of the processor device status probe. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Processor Device Status Status

| | |
|---|---|
| **Name** | `processorDeviceStatusStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.5 |
| **Description** | Defines the status of the processor device status probe. This status will be joined into the processorDeviceStatus attribute. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

#### Processor Device Status Reading

| | |
|---|---|
| **Name** | processorDeviceStatusReading |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.6 |
| **Description** | Defines the reading of the processor device status probe. |
| **Syntax** | DellProcessorDeviceStatusReading |
| **Access** | Read-only |

#### Processor Device Status Location Name

| | |
|---|---|
| **Name** | processorDeviceStatusLocationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.7 |
| **Description** | Defines the location name of the processor device status probe. |
| **Syntax** | DellString |
| **Access** | Read-only |

#### Processor Device Status Port Index Reference

| | |
|---|---|
| **Name** | processorDeviceStatusPortIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.32.1.8 |
| **Description** | Defines the index (one-based) of the associated processor port in the same chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cache Device Table

| | |
|---|---|
| **Name** | cacheDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40 |
| **Description** | Defines the Cache Device Table. |
| **Syntax** | SEQUENCE OF CacheDeviceTableEntry |
| **Access** | Not accessible |

### Cache Device Table Entry

| | |
|---|---|
| **Name** | `cacheDeviceTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1 |
| **Description** | Defines the Cache Device Table entry. |
| **Syntax** | CacheDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | cacheDevicechassisIndex, cacheDeviceIndex |

### Cache Device Chassis Index

| | |
|---|---|
| **Name** | `cacheDevicechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cache Device Index

| | |
|---|---|
| **Name** | `cacheDeviceIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.2 |
| **Description** | Defines the index of the cache device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cache Device State Capabilities

| | |
|---|---|
| **Name** | `cacheDeviceStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.3 |
| **Description** | Defines the capabilities of the cache device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Cache Device State Settings

| | |
|---|---|
| **Name** | cacheDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.4 |
| **Description** | Defines the state of the cache device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Cache Device Status

| | |
|---|---|
| **Name** | cacheDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.5 |
| **Description** | Defines the status of the cache device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Cache Device Processor Device Index Reference

| | |
|---|---|
| **Name** | cacheDeviceprocessorDeviceIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.6 |
| **Description** | Defines the index number of the processor device with which this cache device is associated. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cache Device Type

| | |
|---|---|
| **Name** | cacheDeviceType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.7 |
| **Description** | Defines the type of cache device. |
| **Syntax** | DellCacheDeviceType (See Table 13-7.) |
| **Access** | Read-only |

### Cache Device Location

| | |
|---|---|
| **Name** | cacheDeviceLocation |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.8 |
| **Description** | Defines the location of the cache device. |
| **Syntax** | DellCacheDeviceLocation (See Table 13-13.) |
| **Access** | Read-only |

### Cache Device Status State

| | |
|---|---|
| **Name** | cacheDeviceStatusState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.9 |
| **Description** | Defines the status state of the cache device. |
| **Syntax** | DellCacheDeviceStatusState (See Table 13-10.) |
| **Access** | Read-only |

### Cache Device External Socket Name

| | |
|---|---|
| **Name** | cacheDeviceExternalSocketName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.10 |
| **Description** | Defines the external socket name of the cache device, if the cache is socketed. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Cache Device Level

| | |
|---|---|
| **Name** | cacheDeviceLevel |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.11 |
| **Description** | Defines the level of the cache device. |
| **Syntax** | DellCacheDeviceLevel (See Table 13-8) |
| **Access** | Read-only |

### Cache Device Maximum Size

| | |
|---|---|
| **Name** | `cacheDeviceMaximumSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.12 |
| **Description** | Defines the maximum size of the cache device in kilobytes (KB). A zero (0) indicates that the size is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Cache Device Current Size

| | |
|---|---|
| **Name** | `cacheDeviceCurrentSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.13 |
| **Description** | Defines the current size of the cache device in KB. A zero (0) indicates that the size is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Cache Device Speed

| | |
|---|---|
| **Name** | `cacheDeviceSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.14 |
| **Description** | Defines the speed of the cache device in nanoseconds. A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Cache Device Write Policy

| | |
|---|---|
| **Name** | `cacheDeviceWritePolicy` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.15 |
| **Description** | Defines the write policy of the cache device. |
| **Syntax** | DellCacheDeviceWritePolicy (See Table 13-9.) |
| **Access** | Read-only |

### Cache Device Is Socketed

| | |
|---|---|
| **Name** | cacheDeviceIsSocketed |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.16 |
| **Description** | Defines if the cache device is socketed. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Cache Device Error Checking and Correction (ECC) Type

| | |
|---|---|
| **Name** | cacheDeviceECCType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.17 |
| **Description** | Defines the type of error correction in use by the cache device. |
| **Syntax** | DellCacheDeviceECCType (See Table 13-11.) |
| **Access** | Read-only |

### Cache Device Associativity

| | |
|---|---|
| **Name** | cacheDeviceAssociativity |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.18 |
| **Description** | Defines the type of associativity in use by the cache device. |
| **Syntax** | DellCacheDeviceAssociativity (See Table 13-12.) |
| **Access** | Read-only |

### Cache Device Supported Type

| | |
|---|---|
| **Name** | cacheDeviceSupportedType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.19 |
| **Description** | Defines the type of static random-access memory (SRAM) that the cache device can support. |
| **Syntax** | DellCacheDeviceSupportedType |
| **Access** | Read-only |

### Cache Device Current Type

| | |
|---|---|
| **Name** | `cacheDeviceCurrentType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.40.1.20 |
| **Description** | Defines the current type of SRAM for the cache device. |
| **Syntax** | DellCacheDeviceSRAMType (See Table 13-14.) |
| **Access** | Read-only |

## Memory Device Table

| | |
|---|---|
| **Name** | `memoryDeviceTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50 |
| **Description** | Defines the Memory Device Table. |
| **Syntax** | SEQUENCE OF MemoryDeviceTableEntry |
| **Access** | Not accessible |

### Memory Device Table Entry

| | |
|---|---|
| **Name** | `memoryDeviceTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1 |
| **Description** | Defines the Memory Device Table entry. |
| **Syntax** | MemoryDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | memoryDevicechassisIndex, memoryDeviceIndex |

### Memory Device Chassis Index

| | |
|---|---|
| **Name** | `memoryDevicechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Index

| | |
|---|---|
| **Name** | memoryDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.2 |
| **Description** | Defines the index of the memory device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device State Capabilities

| | |
|---|---|
| **Name** | memoryDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.3 |
| **Description** | Defines the capabilities of the memory device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Memory Device State Settings

| | |
|---|---|
| **Name** | memoryDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.4 |
| **Description** | Defines the state of the memory device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Memory Device Status

| | |
|---|---|
| **Name** | memoryDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.5 |
| **Description** | Defines the status of the memory device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Memory Device Memory Port Index Reference

| | |
|---|---|
| **Name** | `memoryDeviceMemoryPortIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.6 |
| **Description** | Defines the index of the memory port of which this memory device is part. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Type

| | |
|---|---|
| **Name** | `memoryDeviceType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.7 |
| **Description** | Defines the type of the memory device. |
| **Syntax** | DellMemoryDeviceType (See Table 13-16.) |
| **Access** | Read-only |

### Memory Device Location Name

| | |
|---|---|
| **Name** | `memoryDeviceLocationName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.8 |
| **Description** | Defines the location name of the memory device. |
| **Syntax** | DellString |
| **Access** | Read-write |

### Memory Device Error Count

**NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Error Count should no longer be used. If you use the Memory Device Error Count attribute, the value returned is always zero, and using the attribute will have no effect.

| | |
|---|---|
| **Name** | `memoryDeviceErrorCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.9 |
| **Description** | Defines the total number of Error Checking and Correction (ECC) errors detected by the memory device. Writing a 0 (zero) to this variable will reset the devices error counts. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-write |

### Memory Device Bank Location Name

| | |
|---|---|
| **Name** | `memoryDeviceBankLocationName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.10 |
| **Description** | Defines the bank location name of the memory device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Type Details

| | |
|---|---|
| **Name** | `memoryDeviceTypeDetails` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.11 |
| **Description** | Defines the detailed type of the memory device. |
| **Syntax** | DellMemoryDeviceTypeDetails (See Table 13-17.) |
| **Access** | Read-only |

### Memory Device Form Factor

| | |
|---|---|
| **Name** | `memoryDeviceFormFactor` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.12 |
| **Description** | Defines the form factor of the memory device. |
| **Syntax** | DellMemoryDeviceFormFactor (See Table 13-15.) |
| **Access** | Read-only |

### Memory Device Set

| | |
|---|---|
| **Name** | `memoryDeviceSet` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.13 |
| **Description** | Defines if the memory device is a part of a set. A zero (0) indicates that this device is not part of a set. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Size

| | |
|---|---|
| **Name** | memoryDeviceSize |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.14 |
| **Description** | Defines the size in KB of the memory device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Speed

| | |
|---|---|
| **Name** | memoryDeviceSpeed |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.15 |
| **Description** | Defines the speed in nanoseconds of the memory device. A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Total Bus Width

| | |
|---|---|
| **Name** | memoryDeviceTotalBusWidth |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.16 |
| **Description** | Defines the total number of bits, including ECC, used by the memory device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Total Data Bus Width

| | |
|---|---|
| **Name** | memoryDeviceTotalDataBusWidth |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.17 |
| **Description** | Defines the total number of data bits used by the memory device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Correctable Memory Event Count

**NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Correctable Memory Event Count should no longer be used. If you use the Memory Device Correctable Memory Event Count attribute, the value returned is always zero, and using the attribute will have no effect.

| | |
|---|---|
| **Name** | `memoryDeviceSingleBitErrorCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.18 |
| **Description** | Defines the total number of Correctable Memory Events detected by the memory device. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Memory Device Uncorrectable Memory Event Count

**NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Uncorrectable Memory Event Count should no longer be used. If you use the Memory Device Uncorrectable Memory Event Count attribute, the value returned is always zero, and using the attribute will have no effect.

| | |
|---|---|
| **Name** | `memoryDeviceMultiBitErrorCount` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.19 |
| **Description** | Defines the total number of Uncorrectable Memory Events detected by the memory device. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Memory Device Failure Modes

| | |
|---|---|
| **Name** | `memoryDeviceFailureModes` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.20 |
| **Description** | Defines the failure modes of the memory device when the memoryDeviceStatus attribute is not OK. It is a bit field that can be used to report more than one type of failure mode by using a combination of the defined bit masks. |
| **Syntax** | DellMemoryDeviceFailureModes |
| **Access** | Read-only |

### Memory Device Manufacturer Name

| | |
|---|---|
| **Name** | memoryDeviceManufacturerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.21 |
| **Description** | Defines the manufacturer of the memory device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Part Number Name

| | |
|---|---|
| **Name** | memoryDevicePartNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.22 |
| **Description** | Defines the manufacturer's part number for the memory device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Serial Number Name

| | |
|---|---|
| **Name** | memoryDeviceSerialNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.23 |
| **Description** | Defines the serial number of the memory device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Asset Tag Name

| | |
|---|---|
| **Name** | memoryDeviceAssetTagName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.24 |
| **Description** | Defines the asset tag of the memory device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Memory Device Speed Name

| | |
|---|---|
| **Name** | memoryDeviceSpeedName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.50.1.25 |
| **Description** | This attribute defines the speed of the memory device in string format with units specified in string. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Memory Device Mapped Address Table

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60 |
| **Description** | Defines the Memory Device Mapped Address Table. |
| **Syntax** | SEQUENCE OF MemoryDeviceMappedAddressTableEntry |
| **Access** | Not accessible |

### Memory Device Mapped Address Table Entry

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1 |
| **Description** | Defines the Memory Device Mapped Address Table entry. |
| **Syntax** | MemoryDeviceMappedAddressTableEntry |
| **Access** | Not accessible |
| **Index** | memoryDeviceMappedAddresschassisIndex, memoryDeviceMappedAddressIndex |

### Memory Device Mapped Address Chassis Index

| | |
|---|---|
| **Name** | memoryDeviceMappedAddresschassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Mapped Address Index

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.2 |
| **Description** | Defines the index (one-based) of the memory device mapped address in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Mapped Address State Capabilities

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.3 |
| **Description** | Defines the capabilities of the memory device mapped address. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Memory Device Mapped Address State Settings

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.4 |
| **Description** | Defines the state of the memory device mapped address. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Memory Device Mapped Address Status

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.5 |
| **Description** | Defines the status of the memory device mapped address. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Memory Device Index Reference

| | |
|---|---|
| **Name** | memoryDeviceIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.6 |
| **Description** | Defines the index of the memory device(s) associated with this memory device mapped address. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Memory Device Mapped Address Row Position

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressRowPosition |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.7 |
| **Description** | Defines the position of the referenced memory in a row of the memory device mapped address. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Mapped Address Interleave Position

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressInterleavePosition |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.8 |
| **Description** | Defines the position of the referenced memory in an interleave of the memory device mapped address. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Mapped Address Interleave Depth

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressInterleaveDepth |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.9 |
| **Description** | Defines the maximum number of consecutive rows from the referenced memory device that are accessed in a single interleaved transfer in the memory device mapped address. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Memory Device Mapped Address Starting Address

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressStartingAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.10 |
| **Description** | Defines the physical starting address in KB of the memory device mapped address. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### Memory Device Mapped Address Ending Address

| | |
|---|---|
| **Name** | memoryDeviceMappedAddressEndingAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.60.1.11 |
| **Description** | Defines the physical ending address in KB of the memory device mapped address. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

## Generic Device Table

| | |
|---|---|
| **Name** | genericDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70 |
| **Description** | Defines the Generic Device Table. |
| **Syntax** | SEQUENCE OF GenericDeviceTableEntry |
| **Access** | Not accessible |

### Generic Device Table Entry

| | |
|---|---|
| **Name** | genericDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1 |
| **Description** | Defines the Generic Device Table entry. |
| **Syntax** | GenericDeviceTableEntry |
| **Access** | Not accessible |
| **Index** | genericDevicechassisIndex, genericDeviceIndex |

### Generic Device Chassis Index

| | |
|---|---|
| **Name** | genericDevicechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Generic Device Index

| | |
|---|---|
| **Name** | genericDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.2 |
| **Description** | Defines the index of the generic device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Generic Device State Capabilities

| | |
|---|---|
| **Name** | genericDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.3 |
| **Description** | Defines the capabilities of the generic device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Generic Device State Settings

| | |
|---|---|
| **Name** | genericDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.4 |
| **Description** | Defines the state of the generic device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Generic Device Status

| | |
|---|---|
| **Name** | genericDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.5 |
| **Description** | Defines the status of the generic device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Generic Device System Slot Index Reference

| | |
|---|---|
| **Name** | genericDeviceSystemSlotIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.6 |
| **Description** | Defines the index of the system slot into which this generic device is plugged. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Generic Device Type

| | |
|---|---|
| **Name** | genericDeviceType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.7 |
| **Description** | Defines the type of the generic device. |
| **Syntax** | DellGenericDeviceType (See Table 13-18.) |
| **Access** | Read-only |

### Generic Device Name

| | |
|---|---|
| **Name** | genericDeviceName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.70.1.8 |
| **Description** | Defines the name of the generic device. |
| **Syntax** | DellString |
| **Access** | Read-only |

## PCI Device Table

| | |
|---|---|
| **Name** | pCIDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80 |
| **Description** | Defines the PCI Device Detail Table. |
| **Syntax** | SEQUENCE OF PCIDeviceTableEntry |
| **Access** | Not accessible |

### PCI Device Table Entry

| | |
|---|---|
| **Name** | pCIDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1 |
| **Description** | Defines the PCI Device Table entry. |
| **Syntax** | Not accessible |
| **Access** | PCIDeviceTableEntry |
| **Index** | pCIDevicechassisIndex, pCIDeviceIndex |

### PCI Device Chassis Index

| | |
|---|---|
| **Name** | pCIDevicechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | Read-only |
| **Access** | DellObjectRange |

### PCI Device Index

| | |
|---|---|
| **Name** | pCIDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.2 |
| **Description** | Defines the index (one-based) of the PCI device in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### PCI Device State Capabilities

| | |
|---|---|
| **Name** | pCIDeviceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.3 |
| **Description** | Defines the capabilities of the PCI device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### PCI Device State Settings

| | |
|---|---|
| **Name** | pCIDeviceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.4 |
| **Description** | Defines the state of the PCI device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### PCI Device Status

| | |
|---|---|
| **Name** | pCIDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.5 |
| **Description** | Defines the status of the PCI device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### PCI Device System Slot Index Reference

| | |
|---|---|
| **Name** | pCIDeviceSystemSlotIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.6 |
| **Description** | Defines the index number of the system slot that this PCI device is in. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### PCI Device Data Bus Width

| | |
|---|---|
| **Name** | pCIDeviceDataBusWidth |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.7 |
| **Description** | Defines the bus width of the PCI device in this chassis. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### PCI Device Manufacturer Name

| | |
|---|---|
| **Name** | pCIDeviceManufacturerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.8 |
| **Description** | Defines the name of the PCI device manufacturer. |
| **Syntax** | DellString |
| **Access** | Read-only |

### PCI Device Description Name

| | |
|---|---|
| **Name** | pCIDeviceDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.9 |
| **Description** | Defines the descriptive name of the PCI device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### PCI Device Speed

| | |
|---|---|
| **Name** | pCIDeviceSpeed |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.10 |
| **Description** | Defines the bus speed in MHz of the PCI device in this chassis. A zero (0) indicates that the speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### PCI Device Adapter Fault

| | |
|---|---|
| **Name** | pCIDeviceAdapterFault |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.80.1.11 |
| **Description** | Defines whether the PCI device in this chassis has detected a fault. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

## PCI Device Configuration Space Table

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82 |
| **Description** | Defines the PCI Device Configuration Table. |
| **Syntax** | SEQUENCE OF PCIDeviceConfigurationSpaceTableEntry |
| **Access** | Not accessible |

### PCI Device Configuration Space Table Entry

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1 |
| **Description** | Defines the PCI Device Configuration Table entry. |
| **Syntax** | PCIDeviceConfigurationSpaceTableEntry |
| **Access** | Not accessible |
| **Index** | pCIDeviceConfigurationSpacechassisIndex,<br>pCIDeviceConfigurationSpaceIndex |

### PCI Device Configuration Space Chassis Index

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpacechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### PCI Device Configuration Space Index

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.2 |
| **Description** | Defines the index (one-based) of the PCI device configuration in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### PCI Device Configuration Space State Capabilities

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.3 |
| **Description** | Defines the capabilities of the PCI device configuration. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### PCI Device Configuration Space State Settings

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.4 |
| **Description** | Defines the state of the PCI device configuration. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### PCI Device Configuration Space Status

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.5 |
| **Description** | Defines the status of the PCI device configuration. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### PCI Device Index Reference

| | |
|---|---|
| **Name** | pCIDeviceIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.6 |
| **Description** | Defines the index number of PCI device that this configuration applies to. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### PCI Device Configuration Space Bus Number

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceBusNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.7 |
| **Description** | Defines the bus number of the PCI device configuration in this chassis. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### PCI Device Configuration Space Device Number

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceDeviceNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.8 |
| **Description** | Defines the device number of the PCI device in this chassis. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### PCI Device Configuration Space Function Number

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceFunctionNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.9 |
| **Description** | Defines the function number of the PCI device in this chassis. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### PCI Device Configuration Space Header

| | |
|---|---|
| **Name** | pCIDeviceConfigurationSpaceHeader |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.82.1.10 |
| **Description** | Defines the common configuration space header of the PCI device. |
| **Syntax** | OCTET STRING (SIZE(0..1025)) |
| **Access** | Read-only |

## Network Device Table

| | |
|---|---|
| **Name** | networkDeviceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90 |
| **Description** | Defines the Network Device Table. |
| **Syntax** | SEQUENCE OF NetworkDeviceTableEntry |
| **Access** | Not accessible |

### Network Device Table Entry

| | |
|---|---|
| **Name** | networkDeviceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1 |
| **Description** | Defines the Network Device Table Entry. |
| **Syntax** | NetworkDeviceTableEntry |
| **Access** | Not accessible |

### Network Device Chassis Index

| | |
|---|---|
| **Name** | networkDeviceChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.1 |
| **Description** | Defines the index (one-based) of the chassis that contains the network device. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Network Device Index

| | |
|---|---|
| **Name** | networkDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.2 |
| **Description** | Defines the index (one-based) of the network device. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Network Device Status

| | |
|---|---|
| **Name** | networkDeviceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.3 |
| **Description** | Defines the status of the network device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Network Device Connection Status

| | |
|---|---|
| **Name** | networkDeviceConnectionStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.4 |
| **Description** | Defines the connection status of the network device. |
| **Syntax** | DellNetworkDeviceConnectionStatus (see Table 13-20) |
| **Access** | Read-only |

### Network Device Description Name

| | |
|---|---|
| **Name** | networkDeviceDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.5 |
| **Description** | Defines the description of the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device Product Name

| | |
|---|---|
| **Name** | networkDeviceProductName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.6 |
| **Description** | Defines the product name of the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device Vendor Name

| | |
|---|---|
| **Name** | networkDeviceVendorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.7 |
| **Description** | Defines the name of the vendor of the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device Service Name

| | |
|---|---|
| **Name** | networkDeviceServiceName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.8 |
| **Description** | Defines the service name of the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device Driver Image Path Name

| | |
|---|---|
| **Name** | networkDeviceDriverImagePathName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.9 |
| **Description** | Defines the path to the binary image of the driver for the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device Driver Version Name

| | |
|---|---|
| **Name** | networkDeviceDriverVersionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.10 |
| **Description** | Defines the version of the driver for the network device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Device IP Address

| | |
|---|---|
| **Name** | networkDeviceIPAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.11 |
| **Description** | Defines the IP address of the network device. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Network Device IP Subnet Mask

| | |
|---|---|
| **Name** | networkDeviceIPSubnetMask |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.12 |
| **Description** | Defines the IP subnet mask for the IP address currently assigned to the network device. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Network Device Default Gateway IP Address

| | |
|---|---|
| **Name** | networkDeviceDefaultGatewayIPAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.13 |
| **Description** | Defines the IP address of the default gateway for the network device. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Network Device DHCP Server IP Address

| | |
|---|---|
| **Name** | networkDeviceDHCPServerIPAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.14 |
| **Description** | Defines the IP address of the DHCP server that was used to obtain the IP address of the network device if DHCP was used to configure the network device. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Network Device Current MAC Address

| | |
|---|---|
| **Name** | networkDeviceCurrentMACAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.15 |
| **Description** | Defines the current MAC address of the network device. |
| **Syntax** | DellMACAddress |
| **Access** | Read-only |

### Network Device Permanent MAC Address

| | |
|---|---|
| **Name** | networkDevicePermanentMACAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.16 |
| **Description** | Defines the permanent MAC address of the network device. |
| **Syntax** | DellMACAddress |
| **Access** | Read-only |

### Network Device PCI Bus Number

| | |
|---|---|
| **Name** | networkDevicePCIBusNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.17 |
| **Description** | Defines the PCI bus number of the network device. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### Network Device PCI Device Number

| | |
|---|---|
| **Name** | networkDevicePCIDeviceNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.18 |
| **Description** | Defines the PCI device number of the network device. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### Network Device PCI Function Number

| | |
|---|---|
| **Name** | networkDevicePCIFunctionNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.19 |
| **Description** | Defines the PCI function number of the network device. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### Network Device IRQ

| | |
|---|---|
| **Name** | networkDeviceIRQ |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.20 |
| **Description** | Defines the interrupt request number of the network device. |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

### Network Device Base IO Port Address

| | |
|---|---|
| **Name** | networkDeviceBaseIOPortAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.21 |
| **Description** | Defines the base input/outport port address of the network device. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Network Device Teaming Flags

| | |
|---|---|
| **Name** | networkDeviceTeamingFlags |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.22 |
| **Description** | Defines the teaming features of the network device. |
| **Syntax** | DellNetworkDeviceTeamingFlags (see Table 13-21) |
| **Access** | Read-only |

### Network Device TOE Capability Flags

| | |
|---|---|
| **Name** | networkDeviceTOECapabilityFlags |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.23 |
| **Description** | Defines the TCP/IP Offload Engine (TOE) capability flags of the network device. |
| **Syntax** | DellNetworkDeviceTOECapabilityFlags (see Table 13-22) |
| **Access** | Read-only |

### Network Device TOE Enabled

| | |
|---|---|
| **Name** | networkDeviceTOEEnabled |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.24 |
| **Description** | Defines if TOE is enabled for the network device. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Network Device RDMA Capability Flags

| | |
|---|---|
| **Name** | networkDeviceRDMACapabilityFlags |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.25 |
| **Description** | Defines the Remote Direct Memory Access (RDMA) capability flags of the network device. |
| **Syntax** | DellNetworkDeviceRDMACapabilityFlags (see Table 13-23) |
| **Access** | Read-only |

### Network Device RDMA Enabled

| | |
|---|---|
| **Name** | networkDeviceRDMAEnabled |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.26 |
| **Description** | Defines if RDMA is enabled for the network device. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Network Device iSCSI Capability Flags

| | |
|---|---|
| **Name** | networkDeviceiSCSICapabilityFlags |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.27 |
| **Description** | Defines the Internet Small Computer System Interface (iSCSI) capability flags of the network device. |
| **Syntax** | DellNetworkDeviceiSCSICapabilityFlags (see Table 13-24) |
| **Access** | Read-only |

### Network Device iSCSI Enabled

| | |
|---|---|
| **Name** | networkDeviceiSCSIEnabled |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1100.90.1.28 |
| **Description** | Defines if iSCSI is enabled for the network device. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

# Device Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 13-1. Pointing Device Type**

| **Variable Name:** `DellPointingDeviceType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeIsOther(1)` | Device type is not one of the following: |
| `deviceTypeIsUnknown(2)` | Device type is unknown. |
| `deviceTypeIsAMouse(3)` | Device type is a mouse. |
| `deviceTypeIsATrackBall(4)` | Device type is a track ball. |
| `deviceTypeIsATrackPoint(5)` | Device type is a track point. |
| `deviceTypeIsAGlidePoint(6)` | Device type is a glide point. |
| `deviceTypeIsATouchPad(7)` | Device type is a touch pad. |

**Table 13-2. Processor Device Status State**

| **Variable Name:** `DellProcessorDeviceStatusState` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | Processor device type is not one of the following: |
| `unknown(2)` | Device type is unknown. |
| `enabled(3)` | Device is enabled. |
| `userDisabled(4)` | Device is disabled by the user. |
| `biosDisabled(5)` | Device has its BIOS disabled. |
| `idle(6)` | Device is idle. |

**Table 13-3. Processor Device Status Reading**

**Variable Name:** `DellProcessorDeviceStatusReading`

**Data Type:** `Integer`

**NOTE:** These values are bit masks, so combination values are possible.

| Possible Data Values | Meaning of Data Value |
|---|---|
| `internalError(1)` | The processor experienced an internal error |
| `thermalTrip(2)` | The processor experienced a thermal trip |
| `configurationError(32)` | The processor experienced a configuration error |
| `processorPresent(128)` | The processor is present |
| `processorDisabled(256)` | The processor is disabled |
| `terminatorPresent(512)` | The terminator is Present |
| `processorThrottled(1024)` | The processor is throttled |

**Table 13-4. Processor Device Type**

**Variable Name:** `DellProcessorDeviceType`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `deviceTypeIsOther(1)` | The processor device type is not one of the following values: |
| `deviceTypeIsUnknown(2)` | The processor device type is unknown. |
| `deviceTypeIsCPU(3)` | The processor device type is a central processing unit. |
| `deviceTypeIsMathProcessor(4)` | The processor device type is a math processor. |
| `deviceTypeIsDSP(5)` | The processor device type is a digital signal processor. |
| `deviceTypeIsAVideoProcessor(6)` | The processor device is a video processor. |

**Table 13-5. Processor Upgrade Information**

**Variable Name:** `DellProcessorUpgradeInformation`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `processorUpgradeIsOther(1)` | The upgrade device type is not one of the following: |
| `processorUpgradeIsUnknown(2)` | Upgrade device type is unknown. |
| `processorUpgradeIsByDaughterBoard(3)` | Upgrade device is on a daughter board. |
| `processorUpgradeIsByZIFSocket(4)` | Upgrade device is in a zero insertion force (ZIF) socket. |
| `processorUpgradeIsByReplacement(5)` | Upgrade device is a replacement. |
| `processorUpgradeIsNone(6)` | There is no upgrade device. |
| `processorUpgradeIsByLIFSocket(7)` | Upgrade device is in a low insertion force (LIF) socket. |
| `processorUpgradeIsBySlot1(8)` | Upgrade device is a SLOT 1 processor. |
| `processorUpgradeIsBySlot2(9)` | Upgrade device is a SLOT 2 processor. |
| `processorUpgradeIsBy370PinSocket(10)` | Upgrade device is a 370 pin socket. |
| `processorUpgradeIsBySlotA(11)` | Upgrade is by Slot A. |
| `processorUpgradeIsBySlotM(12)` | Upgrade is by Slot M. |
| `processorUpgradeIsByScoket423(13)` | Upgrade is by Socket 423. |
| `processorUpgradeIsBySocketA(14)` | Upgrade is by Socket A (Socket 462). |
| `processorUpgradeIsBySocket478(15)` | Upgrade is by Socket 478. |
| `processorUpgradeIsBySocket754(16)` | Upgrade is by Socket 754. |
| `processorUpgradeIsBySocket940(17)` | Upgrade is by Socket 940. |
| `processorUpgradeIsBySocket939(18)` | Upgrade is by Socket 939. |
| `processorUpgradeIsBySocketmPGA604(19)` | Upgrade is by Socket mPGA604. |
| `processorUpgradeIsBySocketLGA771(20)` | Upgrade is by Socket LGA771. |
| `processorUpgradeIsBySocketLGA775(21)` | Upgrade is by Socket LGA775. |

**Table 13-6. Processor Device Family**

**Variable Name:** `DellProcessorDeviceFamily`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `deviceFamilyIsOther(1)` | The processor family is not one of the following values: |
| `deviceFamilyIsUnknown(2)` | The processor family is unknown. |
| `deviceFamilyIs8086(3)` | The processor family is 8086. |
| `deviceFamilyIs80286(4)` | The processor family is 80286. |
| `deviceFamilyIs80386(5)` | The processor family is 80386. |
| `deviceFamilyIs80486(6)` | The processor family is 80486. |
| `deviceFamilyIS8087(7)` | The processor family is 8087. |
| `deviceFamilyIs80287(8)` | The processor family is 80287. |
| `deviceFamilyIs80387(9)` | The processor family is 80387. |
| `deviceFamilyIs80487(10)` | The processor family is 80487. |
| `deviceFamilyIsPentium(11)` | The processor family is Intel® Pentium®. |
| `deviceFamilyIsPentiumPro(12)` | The processor family is Pentium Pro. |
| `deviceFamilyIsPentium2(13)` | The processor family is Pentium II. |
| `deviceFamilyIsPentiumMMX(14)` | The processor family is Pentium MMX™. |
| `deviceFamilyIsCeleron(15)` | The processor family is Celeron®. |
| `deviceFamilyIsXeon(16)` | The processor family is Xeon™. |
| `deviceFamilyIsPentium3(17)` | The processor family is Pentium III. |
| `deviceFamilyIsPentium3Xeon(18)` | The processor family is Pentium III Xeon. |
| `deviceFamilyIsPentium3Step(19)` | The processor family is Pentium III Speed Step. |
| `deviceFamilyIsPentiumItanium(20)` | The processor family is Itanium®. |
| `deviceFamilyIsIntelXeon(21)` | The processor family is Intel Xeon. |
| `deviceFamilyIsPentium4(22)` | The processor family is Pentium 4. |
| `deviceFamilyIsIntelXeonMP(23)` | The processor family is Intel Xeon MP. |
| `deviceFamilyIsIntelItanium2(24)` | The processor family is Intel Itanium 2. |
| `deviceFamilyIsK5(25)` | The processor family is K5. |
| `deviceFamilyIsK6(26)` | The processor family is K6. |
| `deviceFamilyIsK6-2(27)` | The processor family is K6-2. |

**Table 13-6. Processor Device Family *(continued)***

**Variable Name:** `DellProcessorDeviceFamily`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `deviceFamilyIsK6-3(28)` | The processor family is K6-3. |
| `deviceFamilyIsAMDAthlon(29)` | The processor family is AMD™ Athlon™. |
| `deviceFamilyIsAMD2900(30)` | The processor family is AMD2900. |
| `deviceFamilyIsK6-2Plus(31)` | The processor family is K6-2+. |
| `deviceFamilyIsPowerPC(32)` | The processor family is Power PC. |
| `deviceFamilyIsPowerPC601(33)` | The processor family is Power PC 601. |
| `deviceFamilyIsPowerPC603(34)` | The processor family is Power PC 603 |
| `deviceFamilyIsPowerPC603Plus(35)` | The processor family is Power PC 603+. |
| `deviceFamilyIsPowerPC604(36)` | The processor family is Power PC 604. |
| `deviceFamilyIsPowerPC620(37)` | The processor family is Power PC 620. |
| `deviceFamilyIsPowerPCx704(38)` | The processor family is Power PC x704. |
| `deviceFamilyIsPowerPC750(39)` | The processor family is Power PC 750. |
| `deviceFamilyIsAlpha(48)` | The processor family is Alpha. |
| `deviceFamilyIsAlpha21064(49)` | The processor family is Alpha 21064. |
| `deviceFamilyIsAlpha21066(50)` | The processor family is Alpha 21066. |
| `deviceFamilyIsAlpha21164(51)` | The processor family is Alpha 21164. |
| `deviceFamilyIsAlpha21164PC(52)` | The processor family is Alpha 21164PC. |
| `deviceFamilyIsAlpha21164a(53)` | The processor family is Alpha 21164a. |
| `deviceFamilyIsAlpha21264(54)` | The processor family is Alpha 21264. |
| `deviceFamilyIsAlpha21364(55)` | The processor family is Alpha 21364. |
| `deviceFamilyIsMIPS(64)` | The processor family is MIPS. |
| `deviceFamilyIsMIPSR4000(65)` | The processor family is MIPS R4000. |
| `deviceFamilyIsMIPSR4200(66)` | The processor family is MIPS R4200. |
| `deviceFamilyIsMIPSR4400(67)` | The processor family is MIPS R4400. |
| `deviceFamilyIsMIPSR4600(68)` | The processor family is MIPS R4600. |
| `deviceFamilyIsMIPSR10000(69)` | The processor family is MIPS R10000. |
| `deviceFamilyIsSPARC(80)` | The processor family is SPARC. |
| `deviceFamilyIsSuperSPARC(81)` | The processor family is SuperSPARC. |

**Table 13-6. Processor Device Family *(continued)***

**Variable Name:** `DellProcessorDeviceFamily`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `deviceFamilyIsmicroSPARCII(82)` | The processor family is microSPARC II. |
| `deviceFamilyIsmicroSPARCIIep(83)` | The processor family is microSPARC IIep. |
| `deviceFamilyIsUltraSPARC(84)` | The processor family is UltraSPARC. |
| `deviceFamilyIsUltraSPARCII(85)` | The processor family is UltraSPARC II. |
| `deviceFamilyIsUltraSPARCIIi(86)` | The processor family is UltraSPARC IIi. |
| `deviceFamilyIsUltraSPARCIII(87)` | The processor family is UltraSPARC III. |
| `deviceFamilyIsUltraSPARCIIIi(88)` | The processor family is UltraSPARC IIIi. |
| `deviceFamilyIs68040(96)` | The processor family is 68040 Family. |
| `deviceFamilyIs68xxx(97)` | The processor family is 68xxx. |
| `deviceFamilyIs68000(98)` | The processor family is 68000. |
| `deviceFamilyIs68010(99)` | The processor family is 68010. |
| `deviceFamilyIs68020(100)` | The processor family is 68020. |
| `deviceFamilyIs68030(101)` | The processor family is 68030. |
| `deviceFamilyIsHobbit(112)` | The processor family is Hobbit. |
| `deviceFamilyIsCrusoeTM5000(120)` | The processor family is Crusoe TM5000. |
| `deviceFamilyIsCrusoeTM3000(121)` | The processor family is Crusoe TM3000. |
| `deviceFamilyIsEfficeonTM8000(122)` | The processor family is Efficeon TM8000. |
| `deviceFamilyIsWeitek(128)` | The processor family is Weitek. |
| `deviceFamilyIsAMDAthlon64(131)` | The processor family is AMD Athlon 64. |
| `deviceFamilyIsAMDOpteron(132)` | The processor family is AMD Opteron™. |
| `deviceFamilyIsAMDSempron(133)` | The processor family is AMD Sempron™. |
| `deviceFamilyIsAMDTurion64Mobile(134)` | The processor family is AMD Turion™ 64 Mobile Technology. |
| `deviceFamilyIsAMDOpteronDualCore(135)` | The processor family is Dual-Core AMD Opteron. |
| `deviceFamilyIsAMDAthlon64X2DualCore(136)` | The processor family is AMD Athlon 64 X2 Dual-Core. |
| `deviceFamilyIsPA-RISC(144)` | The processor family is PA-RISC. |
| `deviceFamilyIsPA-RISC8500(145)` | The processor family is PA-RISC 8500. |

**Table 13-6. Processor Device Family *(continued)***

**Variable Name:** `DellProcessorDeviceFamily`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `deviceFamilyIsPA-RISC8000(146)` | The processor family is PA-RISC 8000. |
| `deviceFamilyIsPA-RISC7300LC(147)` | The processor family is PA-RISC 7300LC. |
| `deviceFamilyIsPA-RISC7200(148)` | The processor family is PA-RISC 7200. |
| `deviceFamilyIsPA-RISC7100LC(149)` | The processor family is PA-RISC 7100LC. |
| `deviceFamilyIsPA-RISC7100(150)` | The processor family is PA-RISC 7100. |
| `deviceFamilyIsV30(160)` | The processor family is V30. |
| `deviceFamilyIsM1(176)` | The processor family is M1. |
| `deviceFamilyIsM2(177)` | The processor family is M2. |
| `deviceFamilyIsAS400(180)` | The processor family is AS400. |
| `deviceFamilyIsAMDAthlonXP(182)` | The processor family is AMD Athlon XP. |
| `deviceFamilyIsAMDAthlonMP(183)` | The processor family is AMD Athlon MP. |
| `deviceFamilyIsAMDDuron(184)` | The processor family is AMD Duron™. |
| `deviceFamilyIsIntelPentiumM(185)` | The processor family is Intel Pentium M. |
| `deviceFamilyIsIntelCeleronD(186)` | The processor family is Intel Celeron D. |
| `deviceFamilyIsIntelPentiumD(187)` | The processor family is Intel Pentium D. |
| `deviceFamilyIsIntelPentiumExtreme(188)` | The processor family is Intel Pentium Processor Extreme Edition. |
| `deviceFamilyIsIntelCore2(190)` | The processor family is Intel Core™ 2 processor. |
| `deviceFamilyIsIBM390(200)` | The processor family is IBM390. |
| `deviceFamilyIsG4(201)` | The processor family is G4. |
| `deviceFamilyIsG5(202)` | The processor family is G5. |
| `deviceFamilyIsi860(250)` | The processor family is i860. |
| `deviceFamilyIsi960(251)` | The processor family is i960. |

**Table 13-7. Cache Device Type**

| **Variable Name:** `DellCacheDeviceType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeIsOther(1)` | System cache type is not one of the following: |
| `deviceTypeIsUnknown(2)` | System cache type is unknown. |
| `deviceTypeIsInstruction(3)` | System cache type is instruction. |
| `deviceTypeIsData(4)` | System cache type is data. |
| `deviceTypeIsUnified(5)` | System cache type is both instruction and data. |

**Table 13-8. Cache Device Level**

| **Variable Name:** `DellCacheDeviceLevel` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceLevelIsOther(1)` | Device level is not one of the following: |
| `deviceLevelIsUnknown(2)` | Device level is unknown. |
| `deviceLevelIsPrimary(3)` | Device level is primary. |
| `deviceLevelIsSecondary(4)` | Device level is secondary. |
| `deviceLevelIsTertiary(5)` | Device level is tertiary. |

**Table 13-9. Cache Device Write Policy**

| **Variable Name:** `DellCacheDeviceWritePolicy` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceWritePolicyIsOther(1)` | Device write policy is not one of the following: |
| `deviceWritePolicyIsUnknown(2)` | Device write policy is unknown. |
| `deviceWritePolicyIsWriteBack(3)` | Device write policy is write back. |
| `deviceWritePolicyIsWriteThrough(4)` | Device write policy is write through. |
| `deviceWritePolicyIsVariesByAddress(5)` | Device write policy varies by address. |
| `deviceWritePolicyIsDeterminedByIO(6)` | Device write policy is determined by I/O query. |

**Table 13-10. Cache Device Status State**

| **Variable Name:** `DellCacheDeviceStatusState` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | Device state is not one of the following: |
| `unknown(2)` | Device state is unknown. |
| `enabled(3)` | Device is enabled. |
| `userDisabled(4)` | Device is disabled by the user. |
| `biosDisabled(5)` | Device basic input/output system (BIOS) is disabled. |

**Table 13-11. Cache Device ECC Type**

| **Variable Name:** `DellPointingDeviceType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeIsOther(1)` | Device type is not one of the following: |
| `deviceTypeIsUnknown(2)` | Device type is unknown. |
| `deviceTypeIsAMouse(3)` | Device type is a mouse. |
| `deviceTypeIsATrackBall(4)` | Device type is a track ball. |
| `deviceTypeIsATrackPoint(5)` | Device type is a track point. |
| `deviceTypeIsAGlidePoint(6)` | Device type is a glide point. |
| `deviceTypeIsATouchPad(7)` | Device type is a touch pad. |

**Table 13-12. Cache Device Associativity**

| **Variable Name:** `DellCacheDeviceAssociativity` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceAssociativityIsOther(1)` | Device associativity is not one of the following: |
| `deviceAssociativityIsUnknown(2)` | Device associativity is unknown. |
| `deviceAssociativityIsDirectMapped(3)` | Device is direct mapped. |
| `deviceAssociativityIsTwoWaySetAssociative(4)` | Device is two-way set associative. |
| `deviceAssociativityIsFourWaySetAssociative(5)` | Device is four-way set associative. |
| `deviceAssociativityIsFullyAssociative(6)` | Device is fully associative. |
| `deviceAssociativityIsEightWaySetAssociative(7)` | Device is eight-way set associative. |
| `deviceAssociativityIsSixteenWaySetAssociative(8)` | Device is sixteen-way set associative. |

**Table 13-13. Cache Device Location**

| **Variable Name:** `DellCacheDeviceLocation` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceLocationIsOther(1)` | Device location is not one of the following: |
| `deviceLocationIsUnknown(2)` | Device location is unknown. |
| `deviceLocationIsInternal(3)` | Device location is internal. |
| `deviceLocationIsExternal(4)` | Device location is external. |

**Table 13-14. Cache Device Static Random-Access Memory (SRAM) Type**

| **Variable Name:** `DellCacheDeviceSRAMType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceSRAMTypeIsOther(1)` | Device SRAM type is not one of the following: |
| `deviceSRAMTypeIsUnknown(2)` | Device SRAM type is unknown. |
| `deviceSRAMTypeIsNonBurst(3)` | Device SRAM type is nonburst. |
| `deviceSRAMTypeIsBurst(4)` | Device SRAM type is burst. |
| `deviceSRAMTypeIsPipeBurst(5)` | Device SRAM type is pipeburst. |
| `deviceSRAMTypeIsSynchronous(6)` | Device SRAM type is synchronous. |
| `deviceSRAMTypeIsAsynchronous(7)` | Device SRAM type is asynchronous. |

**Table 13-15. Memory Device Type Form Factor**

| **Variable Name:** `DellMemoryDeviceFormFactor` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceFormFactorIsOther(1)` | Device form factor is not one of the following: |
| `deviceFormFactorIsUnknown(2)` | Device form factor is unknown. |
| `deviceFormFactorIsSIMM(3)` | Device form factor is SIMM. |
| `deviceFormFactorIsSIP(4)` | Device form factor is SIP. |
| `deviceFormFactorIsAChip(5)` | Device form factor is a chip. |
| `deviceFormFactorIsDIP(6)` | Device form factor is DIP. |
| `deviceFormFactorIsZIP(7)` | Device form factor is ZIP. |
| `deviceFormFactorIsAProprietaryCard(8)` | Device form factor is a proprietary card. |
| `deviceFormFactorIsDIMM(9)` | Device form factor is DIMM. |
| `deviceFormFactorIsTSOP(10)` | Device form factor is TSOP. |
| `deviceFormFactorIsARowOfChips(11)` | Device form factor is a row of chips. |
| `deviceFormFactorIsRIMM(12)` | Device form factor is RIMM. |
| `deviceFormFactorIsSODIMM(13)` | Device form factor is SODIMM. |
| `deviceFormFactorIsSRIMM(14)` | Device form factor is SRIMM. |
| `deviceFormFactorIsFBDIMM(15)` | Device form factor is FB-DIMM. |

**Table 13-16. Memory Device Type**

| **Variable Name:** `DellMemoryDeviceType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeIsOther(1)` | Device type is not one of the following: |
| `deviceTypeIsUnknown(2)` | Device type is unknown. |
| `deviceTypeIsDRAM(3)` | Device type is DRAM. |
| `deviceTypeIsEDRAM(4)` | Device type is EDRAM. |
| `deviceTypeIsVRAM(5)` | Device type is VRAM. |
| `deviceTypeIsSRAM(6)` | Device type is SRAM. |
| `deviceTypeIsRAM(7)` | Device type is RAM. |
| `deviceTypeIsROM(8)` | Device type is ROM. |
| `deviceTypeIsFLASH(9)` | Device type is FLASH. |
| `deviceTypeIsEEPROM(10)` | Device type is EEPROM. |
| `deviceTypeIsFEPROM(11)` | Device type is FEPROM. |
| `deviceTypeIsEPROM(12)` | Device type is EPROM. |
| `deviceTypeIsCDRAM(13)` | Device type is CDRAM. |
| `deviceTypeIs3DRAM(14)` | Device type is 3DRAM. |
| `deviceTypeIsSDRAM(15)` | Device type is SDRAM. |
| `deviceTypeIsSGRAM(16)` | Device type is SGRAM. |
| `deviceTypeIsRDRAM(17)` | Device type is RDRAM. |
| `deviceTypeIsDDR(18)` | Device type is DDR. |
| `deviceTypeIsDDR2(19)` | Device type is DDR2. |
| `deviceTypeIsDDR2FBDIMM(20)` | Device type is DDR2 FB-DIMM. |

**Table 13-17. Memory Device Type Details**

| **Variable Name:** `DellMemoryDeviceTypeDetails`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeDeatilIsOther(1)` | The detailed device type is not one of the following: |
| `deviceTypeDetailIsUnknown(2)` | The detailed device type is unknown. |
| `deviceTypeDetailIsFastPaged(3)` | The detailed device type is fast paged. |
| `deviceTypeDetailIsStaticColumn(4)` | The detailed device type is static column. |
| `deviceTypeDetailIsPseudoStatic(5)` | The detailed device type is pseudo-static. |
| `deviceTypeDetailIsRAMBUS(6)` | The detailed device type is RAMBUS. |
| `deviceTypeDetailIsSynchronous(7)` | The detailed device type is synchronous. |
| `deviceTypeDetailIsCMOS(8)` | The detailed device type is CMOS. |
| `deviceTypeDetailIsEDO(9)` | The detailed device type is EDO. |
| `deviceTypeDetailIsWindowDRAM(10)` | The detailed device type is "Window" DRAM. |
| `deviceTypeDetailIsCacheDRAM(11)` | The detailed device type is Cache DRAM. |
| `deviceTypeDetailIsNonVolatile(12)` | The detailed device type is nonvolatile. |

**Table 13-18. Generic Device Type**

| **Variable Name:** `DellGenericDeviceType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `deviceTypeIsOther(1)` | Device type is not one of the following: |
| `deviceTypeIsUnknown(2)` | Device type is unknown. |
| `deviceTypeIsAVideoDevice(3)` | Device type is a video. |
| `deviceTypeIsASCSIController(4)` | Device type is a SCSI controller. |
| `deviceTypeIsAnEthernetDevice(5)` | Device type is Ethernet. |
| `deviceTypeIsTokenRingDevice(6)` | Device type is token ring. |
| `deviceTypeIsASoundDevice(7)` | Device type is sound. |

**Table 13-19. Memory Device Failure Modes**

| **Variable Name:** `DellMemoryDeviceFailureModes` | |
|---|---|
| **Data Type:** `Integer` | |
| **NOTE:** These values are bit masks, so combination values are possible. | |
| **Possible Data Values** | **Meaning of Data Value** |
| `(0)` | Memory device has no faults. |
| `eccSingleBitCorrectionWarningRate(1)` | Memory device has exceeded the Correctable Memory Event warning rate. |
| `eccSingleBitCorrectionFailureRate(2)` | Memory device has exceeded the Correctable Memory Event failure rate. |
| `eccMultiBitFault(4)` | Memory device has encountered an Uncorrectable Memory Event. |
| `eccSingleBitCorrectionLoggingDisabled(8)` | Correctable Memory Event logging for memory device has been disabled. |
| `deviceDisabledBySpareActivation(16)` | Memory device is disabled because of spare memory activation. |

**Table 13-20. Network Device Connection Status**

| **Variable Name:** `DellNetworkDeviceConnectionStatus` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(0)` | Unable to determine connection status. |
| `connected(1)` | Media reports that device is connected. |
| `disconnected(2)` | Media reports that device is disconnected. |
| `driverBad(3)` | Driver cannot be opened to determine status. |
| `driverDisabled(4)` | Driver is disabled. |
| `hardwareInitalizing(10)` | Hardware is initializing. |
| `hardwareResetting(11)` | Hardware is resetting. |
| `hardwareClosing(12)` | Hardware is closing down. |
| `hardwareNotReady(13)` | Hardware is not ready. |

**Table 13-21. Network Device Teaming Flags**

**Variable Name:** `DellNetworkDeviceTeamingFlags`

**Data Type:** `Integer`

**NOTE:** These values are bit fields, so combination values are possible.

| Possible Data Values | Meaning of Data Value |
|---|---|
| `undefined(0)` | Teaming flags are undefined. |
| `noTeam(1)` | Device is not part of any team. |
| `teamingEnabled(2)` | Teaming is enabled. |
| `adapterFaultToleranceMode(4)` | Adapter fault tolerance teaming mode. |
| `loadBalancingMode(8)` | Load balancing teaming mode. |

**Table 13-22. Network Device TOE Capability Flags**

**Variable Name:** `DellNetworkDeviceTOECapabilityFlags`

**Data Type:** `Integer`

**NOTE:** These values are bit fields, so combination values are possible.

| Possible Data Values | Meaning of Data Value |
|---|---|
| `none(0)` | Querying for TOE capability is not supported. |
| `unknown(1)` | Querying for TOE capability is supported but query returned an error. |
| `available(2)` | Device has TOE capability. |
| `notAvailable(4)` | Device does not have TOE capability. |
| `cannotBeDetermined(8)` | Querying for TOE capability is supported but an error prevented querying. |
| `driverNotResponding(16)` | Querying for TOE capability is supported but driver did not respond to query. |

**Table 13-23. Network Device RDMA Capability Flags**

**Variable Name:** `DellNetworkDeviceRDMACapabilityFlags`

**Data Type:** `Integer`

**NOTE:** These values are bit fields, so combination values are possible.

| Possible Data Values | Meaning of Data Value |
|---|---|
| `none(0)` | Querying for RDMA capability is not supported. |
| `unknown(1)` | Querying for RDMA capability is supported but query returned an error. |
| `available(2)` | Device has RDMA capability. |
| `notAvailable(4)` | Device does not have RDMA capability. |
| `cannotBeDetermined(8)` | Querying for RDMA capability is supported but an error prevented querying. |
| `driverNotResponding(16)` | Querying for RDMA capability is supported but driver did not respond to query. |

**Table 13-24. Network Device iSCSI Capability Flags**

**Variable Name:** `DellNetworkDeviceiSCSICapabilityFlags`

**Data Type:** `Integer`

**NOTE:** These values are bit fields, so combination values are possible.

| Possible Data Values | Meaning of Data Value |
|---|---|
| `none(0)` | Querying for iSCSI capability is not supported. |
| `unknown(1)` | Querying for iSCSI capability is supported but query returned an error. |
| `available(2)` | Device has iSCSI capability. |
| `notAvailable(4)` | Device does not have iSCSI capability. |
| `cannotBeDetermined(8)` | Querying for iSCSI capability is supported but an error prevented querying. |
| `driverNotResponding(16)` | Querying for iSCSI capability is supported but driver did not respond to query. |

# 14

# Slot Group

The Slot Group provides information about the types of slots that your system supports. This management information base (MIB) group also provides information about the voltages, capabilities, states, and settings that are possible for these slots.

## System Slot Group Table

The System Slot Group defines objects in the System Slot MIB table.

### System Slot Table

The following object sets up the System Slot Table:

| | |
|---|---|
| **Name** | `systemSlotTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10 |
| **Description** | Defines the System Slot Table. |
| **Syntax** | IntegerSystemStateTableEntry |
| **Access** | Not accessible |

#### System Slot Table Entry

| | |
|---|---|
| **Name** | `systemSlotTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1 |
| **Description** | Defines the System Slot Table entry. |
| **Syntax** | IntegerSystemSlotTableEntry |
| **Access** | Not accessible |
| **Index** | systemSlotchassisIndex, systemSlotIndex |

### System Slot Chassis Index

| | |
|---|---|
| **Name** | systemSlotchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Slot Index

| | |
|---|---|
| **Name** | systemSlotIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.2 |
| **Description** | Defines the index (one-based) of the system slot in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### System Slot State Capabilities Unique

| | |
|---|---|
| **Name** | systemSlotStateCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.3 |
| **Description** | Defines the capabilities of the system slot. |
| **Syntax** | DellSystemSlotStateCapabilities (See Table 14-1.) |
| **Access** | Read-only |

### System Slot State Settings Unique

| | |
|---|---|
| **Name** | systemSlotStateSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.4 |
| **Description** | Defines the state of the system slot. |
| **Syntax** | DellSystemSlotStateSettings (See Table 14-2.) |
| **Access** | Read-only |

### System Slot Status

| | |
|---|---|
| **Name** | `systemSlotStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.5 |
| **Description** | Defines the status of the system slot. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Slot Current Usage

| | |
|---|---|
| **Name** | `systemSlotCurrentUsage` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.6 |
| **Description** | Defines the current usage of the system slot. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### System Slot Type

| | |
|---|---|
| **Name** | `systemSlotType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.7 |
| **Description** | Defines the type of the system slot. |
| **Syntax** | DellSystemSlotType (See Table 14-3.) |
| **Access** | Read-only |

### System Slot External Slot Name

| | |
|---|---|
| **Name** | `systemSlotSlotExternalSlotName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.8 |
| **Description** | Defines the external connector name of the system slot. |
| **Syntax** | DellString |
| **Access** | Read-only |

### System Slot Length

| | |
|---|---|
| **Name** | `systemSlotLength` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.9 |
| **Description** | Defines the length of the system slot. |
| **Syntax** | DellSystemSlotLength (See Table 14-5.) |
| **Access** | Read-only |

### System Slot Slot ID

| | |
|---|---|
| **Name** | `systemSlotSlotID` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.10 |
| **Description** | Defines the slot identification number of the system slot. A zero (0) indicates that the slot is embedded on the motherboard. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System Slot Category

| | |
|---|---|
| **Name** | `systemSlotCategory` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.11 |
| **Description** | Defines the system slot category. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System Slot Hot-Plug Bus Width

| | |
|---|---|
| **Name** | `systemSlotHotPlugBusWidth` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.12 |
| **Description** | Defines the bus width of the hot-plug system slot. |
| **Syntax** | DellSystemSlotHotPlugBusWidth (See Table 14-7.) |
| **Access** | Read-only |

### System Slot Hot-Plug Slot Speed

| | |
|---|---|
| **Name** | `systemSlotHotPlugSlotSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.13 |
| **Description** | Defines the slot speed in megahertz of the hot-plug system slot. A zero (0) indicates that the slot speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### System Slot Hot-Plug Adapter Speed

| | |
|---|---|
| **Name** | `systemSlotHotPlugAdapterSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1200.10.1.14 |
| **Description** | Defines the adapter speed in megahertz of the hot-plug system slot. A zero (0) indicates that the slot speed is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

## System Slot Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 14-1. System Slot State Capabilities**

**Variable Name:** `DellSystemSlotStateCapabilities`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `systemSlotHotPlugIsUnknown(1)` | The system slot's capabilities are unknown. |
| `systemSlotHotPlugIsHotPluggableCapable(2)` | The system slot supports hot-plug. |
| `systemSlotHotPlugCanBePoweredOn(4)` | The system slot power (and corresponding light-emitting diode [LED]) can be powered on. |
| `systemSlotHotPlugCanSignalAttention(8)` | The system slot attention state (and corresponding LED) can be set. |
| `systemSlotHotPlugCanSignalPowerFault(16)` | Power on fault (and corresponding LED) can be detected due to a short or overcurrent. |
| `systemSlotHotPlugCanSignalAdapterPresent(32)` | Adapter (card) present in slot (may not be powered) can be detected. |

**Table 14-1. System Slot State Capabilities *(continued)***

| **Variable Name:** `DellSystemSlotStateCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotHotPlugCanSignalPowerButtonPressed(64)` | The system slot power button can be pressed to signal a toggle of the power state. |
| `canSupportAllHotPlugCapabilities(126)` | The system slot can support all hot-plug capabilities. |
| `systemSlotHotPlugIsUnknown(1)` | The system slot's capabilities are unknown. |
| `systemSlotCanProvide5Volts(128)` | The system slot can provide a 5-volt (V) supply. |
| `systemSlotCanProvide3Point3Volts(256)` | The system slot can provide a 3.3-V supply. |
| `systemSlotCanSignalIfShared(512)` | The system slot's opening, if shared with another slot, can be detected. |
| `systemSlotCanSupportCard16(1024)` | The system slot can support PC Card-16. |
| `systemSlotCanSupportCardBus(2048)` | The system slot can support CardBus. |
| `systemSlotCanSupportZoomVideo(4096)` | The system slot can support Zoom Video. |
| `systemSlotCanSupportModemRingResume(8192)` | The system slot can support modem ring resume. |
| `systemSlotCanSupportPMESignal(16384)` | The system slot can support Power Management Enable (PME#) signal. |
| `canSupportAllSlotCapabilities(32640)` | The system slot can support all slot capabilities. |

**Table 14-2. System Slot State Settings**

**Variable Name:** `DellSystemSlotStateSettings`

**Data Type:** `Integer`

| Possible Data Values | Meaning of Data Value |
|---|---|
| `systemSlotHotPlugIsUnknown(1)` | The system slot's capabilities are unknown. |
| `systemSlotHotPlugIsHotPluggable(2)` | The system slot supports hot-plug. |
| `systemSlotHotPlugIsPoweredOn(4)` | The system slot power (and corresponding LED) can be powered on. |
| `systemSlotHotPlugIsAtAttention(8)` | The system slot attention state (and corresponding LED) can be set. |
| `systemSlotHotPlugIsHotPluggable(2)` | The system slot supports hot-plug. |
| `systemSlotHotPlugIsPoweredOn(4)` | The system slot power (and corresponding LED) is on. |
| `systemSlotHotPlugIsAtAttention(8)` | The system slot attention state (and corresponding LED) is on. |
| `systemSlotHotPlugHasPowerFaulted(16)` | Power on fault (and corresponding LED) was detected due to a short or overcurrent. |
| `systemSlotHotPlugAdapterIsPresent(32)` | Adapter (card) present in slot (may not be powered). |
| `systemSlotHotPlugAdapterPresentAndPoweredOn(36)` | Adapter (card) present in slot and powered. |
| `systemSlotHotPlugPowerButtonPressed(64)` | The system slot power button pressed to signal a toggle of the power state. |
| `systemSlotProvides5Volts(128)` | The system slot provides a 5-V supply. |
| `systemSlotProvides3Point3Volts(256)` | The system slot provides a 3.3-V supply. |
| `systemSlotIsShared(512)` | The slot's opening is shared with another slot. |
| `systemSlotSupportsCard16(1024)` | The system slot supports PC Card-16. |
| `systemSlotSupportsCardBus(2048)` | The system slot supports CardBus. |
| `systemSlotSupportsZoomVideo(4096)` | The system slot supports zoom video. |
| `systemSlotSupportsModemRingResume(8192)` | The system slot supports modem ring resume. |
| `systemSlotSupportsPMESignal(16384)` | The system slot supports power management enable (PME#) signal. |
| `supportsPMEand3P3Vand5VandHotPluggable(16770)` | The system slot supports power management enable. |

**Table 14-2. System Slot State Settings *(continued)***

| **Variable Name:** `DellSystemSlotStateSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `supportsPMEand3P3Vand5VhasAdapterOn(16804)` | The system slot supports power management event (PME), supplies 3.3 V, and supplies 5 V. The adapter is on. |
| `supportsPMEand3P3Vand5VhasAdapterOnandisHotPluggable(16806)` | The system slot supports PME, supplies 3.3 V, and supplies 5 V. The adapter is on and the system slot is hot pluggable. |
| `supportsPMEand3P3VIsSharedand5VhasAdapterOnandisHotPluggable(17316)` | The system slot supports PME, supplies 3.3 V, supplies 5 V, and shares a slot opening. The adapter is on and the system slot is hot pluggable. |

**Table 14-3. System Slot Type**

| **Variable Name:** `DellSystemSlotType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotIsOther(1)` | The system slot type is not one of following: |
| `systemSlotIsUnknown(2)` | The system slot type is unknown. |
| `systemSlotIsISA(3)` | The system slot is Industry Standard Architecture (ISA). |
| `systemSlotIsMCA(4)` | The system slot is Micro Channel Architecture (MCA). |
| `systemSlotIsEISA(5)` | The system slot is Extended Industry Standard Architecture (EISA). |
| `systemSlotIsPCI(6)` | The system slot is Peripheral Component Interconnect (PCI). |
| `systemSlotIsPCMCIA(7)` | The system slot is compliant with the Personal Computer Memory Card International Association (PCMCIA) standards. |
| `systemSlotIsVLVESA(8)` | The system slot is Very Low Voltage Enterprise System Architecture (VLVESA). |

**Table 14-3. System Slot Type *(continued)***

| **Variable Name:** `DellSystemSlotType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotIsProprietary(9)` | The system slot is proprietary. |
| `systemSlotIsProcessorCard(10)` | The system slot is a processor card. |
| `systemSlotIsProprietaryMemory(11)` | The system slot is proprietary memory. |
| `systemSlotIsIORiserCard(12)` | The system slot is an I/O riser card. |
| `systemSlotIsNuBUS(13)` | The system slot is a NuBus. |
| `systemSlotIsPCI66MHz(14)` | The system slot is a PCI66MHz. |
| `systemSlotIsAGP(15)` | The system slot is an Advanced Graphics Port (AGP). |
| `systemSlotIsAGP2X(16)` | The system slot is an AGP 2x card. |
| `systemSlotIsAGP4X(17)` | The system slot is an AGP 4x card. |
| `systemSlotIsPC98C20(18)` | The system slot is a PC-98/C20. |
| `systemSlotIsPC98C24(19)` | The system slot is a PC-98/C24. |
| `systemSlotIsPC98E(20)` | The system slot type is PC-98/E. |
| `systemSlotIsPC98LocalBus(21)` | The system slot type is a PC-98 local bus. |
| `systemSlotIsPC98Card(22)` | The system slot type is a PC-98 card. |
| `systemSlotIsPCIX(23)` | The system slot type is a PCIX card. |
| `systemSlotIsPCIExpress(24)` | The system slot type is a PCI Express card. |
| `systemSlotIsAGP8X(25)` | The system slot type is an AGP 8x card. |

**Table 14-4. System Slot Usage**

| **Variable Name:** `DellSystemSlotUsage` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotUsageIsOther(1)` | The system slot usage is not one of following: |
| `systemSlotUsageIsUnknown(2)` | The system slot usage is unknown. |
| `systemSlotUsageIsAvailable(3)` | The system slot is available. |
| `systemSlotUsageIsInUse(4)` | The system slot is in use. |

**Table 14-5. System Slot Length**

| **Variable Name:** `DellSystemSlotLength` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotLengthIsOther(1)` | The system slot length is not one of following: |
| `systemSlotLengthIsUnknown(2)` | The system slot length is unknown. |
| `systemSlotLengthIsShort(3)` | The system slot length is short. |
| `systemSlotLengthIsLong(4)` | The system slot length is long. |

**Table 14-6. System Slot Category**

| **Variable Name:** `DellSystemSlotCategory` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `systemSlotCategoryIsOther(1)` | The system slot category is not one of following: |
| `systemSlotCategoryIsUnknown(2)` | The system slot category is unknown. |
| `systemSlotCategoryIsBusConnector(3)` | The system slot is a bus connector. |
| `systemSlotCategoryIsPCMCIA(4)` | The system slot category is PCMCIA. |
| `systemSlotCategoryIsMotherboard(5)` | The system slot is a motherboard. |

**Table 14-7. Hot-Plug Bus Width**

| **Variable Name:** `DellSystemSlotHotPlugBusWidth`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `busWidthIsOther(1)` | The system slot bus width is not one of following: |
| `busWidthIsUnknown(2)` | The system slot bus width is unknown. |
| `busWidthIs8bits(3)` | The system slot bus width is 8 bits. |
| `busWidthIs16bits(4)` | The system slot bus width is 16 bits. |
| `busWidthIs32bits(5)` | The system slot bus width is 32 bits. |
| `busWidthIs64bits(6)` | The system slot bus width is 64 bits. |
| `busWidthIs128bits(7)` | The system slot bus width is 128 bits. |
| `busWidthIs1xOrx1(8)` | The system slot bus width is 1x or x1. |
| `busWidthIs2xOrx2(9)` | The system slot bus width is 2x or x2. |
| `busWidthIs4xOrx4(10)` | The system slot bus width is 4x or x4. |
| `busWidthIs8xOrx8(11)` | The system slot bus width is 8x or x8. |
| `busWidthIs12xOrx12(12)` | The system slot bus width is 12x or x12. |
| `busWidthIs16xOrx16(13)` | The system slot bus width is 16x or x16. |
| `busWidthIs32xOrx32(14)` | The system slot bus width is 32x or x32. |

**NOTE:** System slot bus width meanings of type "n bits" are for parallel bus such as PCI.

**NOTE:** System slot bus width meanings of type "nx or xn" are for serial bus such as PCI Express.

# 15

# Memory Group

The Memory Group provides information about the physical memory in your system. Variables in this group include error correction type, location, and different types of memory use, such as cache, flash, system, video, and nonvolatile memory.

## Physical Memory Tables

The following management information base (MIB) tables define the objects in the Memory Group:

- Physical Memory Array Table
- Physical Memory Array Mapped Table
- Physical Memory Configuration Table
- Physical Memory Logging Table
- Redundant Memory Unit Table
- Physical Memory Card Table

### Physical Memory Array Table

The physical memory array is the entire physical memory of a system. The example that follows shows variable values for a system that has one 128-megabyte (MB) dual in-line memory module (DIMM):

- physicalMemoryArrayMaximumSize = 2,097,152 kilobytes (KB) or 2 gigabytes (GB)
- physicalMemoryArrayTotalNumberSockets = 4 (the example system has four DIMM slots on the motherboard)
- physicalMemoryArrayInUseNumberSockets = 1 (there is only one DIMM installed)

The following object sets up the Physical Memory Array Table:

| | |
|---|---|
| **Name** | `physicalMemoryArrayTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10 |
| **Description** | Defines the Physical Memory Array Table. |
| **Syntax** | PhysicalMemoryArrayTableEntry |
| **Access** | Not accessible |

### Physical Memory Array Table Entry

| | |
|---|---|
| **Name** | `physicalMemoryArrayTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1 |
| **Description** | Defines the Physical Memory Array Table entry. |
| **Syntax** | PhysicalMemoryArrayTableEntry |
| **Access** | Not accessible |
| **Index** | physicalMemoryArraychassisIndex, physicalMemoryArrayIndex |

### Physical Memory Array Chassis Index

| | |
|---|---|
| **Name** | `physicalMemoryArraychassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Array Index

| | |
|---|---|
| **Name** | `physicalMemoryArrayIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.2 |
| **Description** | Defines the index (one-based) of the physical memory array in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Array State Capabilities

| | |
|---|---|
| **Name** | `physicalMemoryArrayStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.3 |
| **Description** | Defines the capabilities of the physical memory array. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Physical Memory Array State Settings

| | |
|---|---|
| **Name** | `physicalMemoryArrayStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.4 |
| **Description** | Defines the state of the physical memory array. |
| **Syntax** | DellStateSettings |
| **Access** | read-write |

### Physical Memory Array Status

| | |
|---|---|
| **Name** | `physicalMemoryArrayStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.5 |
| **Description** | Defines the status of the physical memory array. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Physical Memory Array Use

| | |
|---|---|
| **Name** | `physicalMemoryArrayUse` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.6 |
| **Description** | Defines the use of the physical memory array. |
| **Syntax** | DellPhysicalMemoryArrayUse (See Table 15-2.) |
| **Access** | Read-only |

### Physical Memory Array Error Checking and Correcting (ECC) Type

| | |
|---|---|
| **Name** | `physicalMemoryArrayECCType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.7 |
| **Description** | Defines the ECC type used by the physical memory array. |
| **Syntax** | DellPhysicalMemoryArrayECCType (See Table 15-2.) |
| **Access** | Read-only |

### Physical Memory Array Location

| | |
|---|---|
| **Name** | `physicalMemoryArrayLocation` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.8 |
| **Description** | Defines the location of the physical memory array. |
| **Syntax** | DellPhysicalMemoryArrayLocation (See Table 15-1.) |
| **Access** | Read-only |

### Physical Memory Array Maximum Size

| | |
|---|---|
| **Name** | `physicalMemoryArrayMaximumSize` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.9 |
| **Description** | Defines the size in KB of the physical memory array. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Array Total Number Sockets

| | |
|---|---|
| **Name** | `physicalMemoryArrayTotalNumberSockets` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.10 |
| **Description** | Defines the total number of memory sockets available for the physical memory array. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Array In Use Number Sockets

| | |
|---|---|
| **Name** | `physicalMemoryArrayInUseNumberSockets` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.11 |
| **Description** | Defines the total number of memory sockets in use by the physical memory array. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Array ECC Error Nonrecoverable Threshold

| | |
|---|---|
| **Name** | `physicalMemoryArrayECCErrorNonRecoverbeThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.12 |
| **Description** | Defines the value of the physical memory array Error Checking and Correction (ECC) error nonrecoverable threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Physical Memory Array ECC Error Critical Threshold

| | |
|---|---|
| **Name** | `physicalMemoryArrayECCErrorCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.13 |
| **Description** | Defines the value of the physical memory array ECC error critical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | Read-only |

### Physical Memory Array ECC Error Noncritical Threshold

| | |
|---|---|
| **Name** | `physicalMemoryArrayECCErrorNonCriticalThreshold` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.14 |
| **Description** | Defines the value of the physical memory array ECC error noncritical threshold. |
| **Syntax** | DellSigned32BitRange |
| **Access** | read-write |

### Physical Memory Array Redundant Memory Unit Index Reference

| | |
|---|---|
| **Name** | `physicalMemoryArrayRedundantMemoryUnitIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.10.1.15 |
| **Description** | Defines the index to the associated Redundant Memory Unit in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Array Mapped Table

The physical memory array is divided into memory array mapped addresses.

The following object sets up the Physical Memory Array Mapped Table:

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20 |
| **Description** | Defines the Physical Memory Array Mapped Table. |
| **Syntax** | PhysicalMemoryArrayMappedTableEntry |
| **Access** | Not accessible |

#### Physical Memory Array Mapped Table Entry

| | |
|---|---|
| **Name** | `PhysicalMemoryArrayMappedTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1 |
| **Description** | Defines the Physical Memory Array Mapped Table entry. |
| **Syntax** | PhysicalMemoryArrayMappedTableEntry |
| **Access** | Not accessible |
| **Index** | physicalMemoryArrayMappedchassisIndex, physicalMemoryArrayMappedIndex |

#### Physical Memory Array Mapped Chassis Index

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### Physical Memory Array Mapped Index

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.2 |
| **Description** | Defines the index (one-based) of the memory array mapped address in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Array Mapped State Capabilities

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.3 |
| **Description** | Defines the capabilities of the memory array mapped address. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Physical Memory Array Mapped State Settings

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.4 |
| **Description** | Defines the state of the memory array mapped address. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Physical Memory Array Mapped Status

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.5 |
| **Description** | Defines the status of the memory array mapped address. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Physical Memory Array Index Reference

| | |
|---|---|
| **Name** | `physicalMemoryArrayIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.6 |
| **Description** | Defines the index to the associated physical memory array in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Array Mapped Starting Address

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedStartingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.7 |
| **Description** | Defines the physical starting address in KB of the memory array mapped address. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### Physical Memory Array Mapped Ending Address

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedEndingAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.8 |
| **Description** | Defines the physical ending address in KB of the memory array mapped address. |
| **Syntax** | DellUnsigned64BitRange |
| **Access** | Read-only |

### Physical Memory Array Mapped Partition Width

| | |
|---|---|
| **Name** | `physicalMemoryArrayMappedPartitionWidth` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.20.1.9 |
| **Description** | Defines the number of memory devices that form a single row in the memory array mapped address. A zero (0) indicates that the number is unknown. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Configuration Table

This table defines how the physical memory of a system chassis is set up, for example, which redundant memory types are supported and whether redundant memory is active.

The following object sets up the Physical Memory Configuration Table:

| | |
|---|---|
| **Name** | `physicalMemoryConfigTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30 |
| **Description** | Defines the Physical Memory Configuration Table. |
| **Syntax** | SEQUENCE OF PhysicalMemoryConfigTableEntry |
| **Access** | Not accessible |

#### Physical Memory Configuration Table Entry

| | |
|---|---|
| **Name** | `physicalMemoryConfigTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1 |
| **Description** | Defines the Physical Memory Configuration Table entry. |
| **Syntax** | PhysicalMemoryConfigTableEntry |
| **Access** | Not accessible |
| **Index** | physicalMemoryConfigChassisIndex, physicalMemoryConfigIndex |

#### Physical Memory Configuration Chassis Index

| | |
|---|---|
| **Name** | `physicalMemoryConfigChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.1 |
| **Description** | Defines the index (one-based) of the chassis associated with the physical memory configuration. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### Physical Memory Configuration Index

| | |
|---|---|
| **Name** | `physicalMemoryConfigIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.2 |
| **Description** | Defines the index (one-based) of the physical memory configuration. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Configuration State Capabilities

| | |
|---|---|
| **Name** | `physicalMemoryConfigStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.3 |
| **Description** | Defines the state capabilities of the physical memory configuration. |
| **Syntax** | DellPhysicalMemoryConfigStateCapabilities |
| **Access** | Read-only |

### Physical Memory Configuration State Settings

| | |
|---|---|
| **Name** | `physicalMemoryConfigStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.4 |
| **Description** | Defines the state settings of the physical memory configuration. |
| **Syntax** | DellPhysicalMemoryConfigStateSettings |
| **Access** | Read-write |

### Physical Memory Configuration Status

| | |
|---|---|
| **Name** | `physicalMemoryConfigStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.5 |
| **Description** | Defines the status of the physical memory configuration. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Physical Memory Configuration Redundant Capabilities

| | |
|---|---|
| **Name** | `physicalMemoryConfigRedundantCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.6 |
| **Description** | Defines the redundant capabilities of the physical memory. |
| **Syntax** | DellPhysicalMemoryConfigRedundantCapabilities |
| **Access** | Read-only |

#### Physical Memory Configuration Redundant Settings

| | |
|---|---|
| **Name** | `physicalMemoryConfigRedundantSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.30.1.7 |
| **Description** | Defines the redundant settings of the physical memory. |
| **Syntax** | DellPhysicalMemoryConfigRedundantSettings |
| **Access** | Read-write |

### Physical Memory Logging Table

This table defines the conditions for logging system memory events.

The following object sets up the Physical Memory Logging Table:

| | |
|---|---|
| **Name** | `physicalMemoryLoggingTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40 |
| **Description** | Defines the Physical Memory Logging Table. |
| **Syntax** | SEQUENCE OF PhysicalMemoryLoggingTableEntry |
| **Access** | Not accessible |

#### Physical Memory Logging Table Entry

| | |
|---|---|
| **Name** | `physicalMemoryLoggingTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1 |
| **Description** | Defines the Physical Memory Logging Table entry. |
| **Syntax** | PhysicalMemoryLoggingTableEntry |
| **Access** | Not accessible |
| **Index** | physicalMemoryLoggingChassisIndex, physicalMemoryLoggingIndex |

#### Physical Memory Logging Chassis Index

| | |
|---|---|
| **Name** | `physicalMemoryLoggingChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1.1 |
| **Description** | Defines the index (one-based) of the chassis associated with the physical memory logging. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Logging Index

| | |
|---|---|
| **Name** | physicalMemoryLoggingIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1.2 |
| **Description** | Defines the index (one-based) of the physical memory logging. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Logging Capabilities

| | |
|---|---|
| **Name** | physicalMemoryLoggingCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1.3 |
| **Description** | Defines the capabilities of the physical memory logging. |
| **Syntax** | DellPhysicalMemoryLoggingCapabilities |
| **Access** | Read-only |

### Physical Memory Logging Settings

| | |
|---|---|
| **Name** | physicalMemoryLoggingSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1.4 |
| **Description** | Defines the settings of the physical memory logging. |
| **Syntax** | DellPhysicalMemoryLoggingSettings |
| **Access** | Read-write |

### Physical Memory Logging Status

| | |
|---|---|
| **Name** | physicalMemoryLoggingStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.40.1.5 |
| **Description** | Defines the status of the physical memory logging. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Redundant Memory Unit Table

This table reports the status of redundant memory within a particular system chassis.

The following object sets up the Redundant Memory Unit Table:

| | |
|---|---|
| **Name** | `redundantMemoryUnitTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50 |
| **Description** | Defines the Redundant Memory Unit Table. |
| **Syntax** | SEQUENCE OF RedundantMemoryUnitTableEntry |
| **Access** | Not accessible |

#### Redundant Memory Unit Table Entry

| | |
|---|---|
| **Name** | `redundantMemoryUnitTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1 |
| **Description** | Defines the Redundant Memory Unit Table entry. |
| **Syntax** | RedundantMemoryUnitTableEntry |
| **Access** | Not accessible |
| **Index** | redundantMemoryUnitChassisIndex, redundantMemoryUnitIndex |

#### Redundant Memory Unit Chassis Index

| | |
|---|---|
| **Name** | `redundantMemoryUnitChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.1 |
| **Description** | Defines the index (one-based) of the chassis associated with the redundant memory unit. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### Redundant Memory Unit Index

| | |
|---|---|
| **Name** | `redundantMemoryUnitIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.2 |
| **Description** | Defines the index (one-based) of the redundant memory unit. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Redundant Memory Unit State Capabilities

| | |
|---|---|
| **Name** | `redundantMemoryUnitStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.3 |
| **Description** | Defines the state capabilities of the redundant memory unit. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Redundant Memory Unit State Settings

| | |
|---|---|
| **Name** | `redundantMemoryUnitStatesettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.4 |
| **Description** | Defines the state settings of the redundant memory unit. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Redundant Memory Unit Redundancy Status

| | |
|---|---|
| **Name** | `redundantMemoryUnitRedundancyStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.5 |
| **Description** | Defines the redundancy status of the redundant memory unit. |
| **Syntax** | DellStatusRedundancy |
| **Access** | Read-only |

### Redundant Memory Unit Name

| | |
|---|---|
| **Name** | `redundantMemoryUnitName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.6 |
| **Description** | Defines the name of the redundant memory unit. |
| **Syntax** | DellString |
| **Access** | Read-only |

#### Redundant Memory Unit Status

| | |
|---|---|
| **Name** | `redundantMemoryUnitStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.50.1.7 |
| **Description** | Defines the status of the redundant memory unit. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Physical Memory Card Table

This table defines the name of the memory card, the total number of device slots present on the memory card, and the number of memory device slots in use on the memory card.

The following objects set up the Physical Memory Card Table:

#### Physical Memory Card Table

| | |
|---|---|
| **Name** | `physicalMemoryCardTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60 |
| **Description** | Defines the Physical Memory Card Table. |
| **Syntax** | SEQUENCE OF PhysicalMemoryCardTableEntry |
| **Access** | Not accessible |

#### Physical Memory Card Table Entry

| | |
|---|---|
| **Name** | `physicalMemoryCardTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1 |
| **Description** | Defines the Physical Memory Card Table Entry. |
| **Syntax** | PhysicalMemoryCardTableEntry |
| **Access** | Not accessible |
| **Index** | physicalMemoryCardChassisIndex, physicalMemoryCardIndex |

#### Physical Memory Card Chassis Index

| | |
|---|---|
| **Name** | `physicalMemoryCardChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Card Index

| | |
|---|---|
| **Name** | `physicalMemoryCardIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.2 |
| **Description** | Defines the index (one-based) of the Physical Memory Card. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Physical Memory Card State Capabilities

| | |
|---|---|
| **Name** | `physicalMemoryCardStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.3 |
| **Description** | Defines the state capabilities of the Physical Memory Card. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Physical Memory Card State Settings

| | |
|---|---|
| **Name** | `physicalMemoryCardStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.4 |
| **Description** | Defines the state settings of the Physical Memory Card. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Physical Memory Card Status

| | |
|---|---|
| **Name** | `physicalMemoryCardStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.5 |
| **Description** | Defines the status of the Physical Memory Card. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Physical Memory Card Name

| | |
|---|---|
| **Name** | `physicalMemoryCardName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.6 |
| **Description** | Defines the name of the Physical Memory Card. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Physical Memory Card Total Number Sockets

| | |
|---|---|
| **Name** | `physicalMemoryCardTotalNumberSockets` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.7 |
| **Description** | Defines the total number of memory sockets available on the Physical Memory Card. 2,147,483,647 indicates an unknown number of sockets. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Card In Use Number Sockets

| | |
|---|---|
| **Name** | `physicalMemoryCardInUseNumberSockets` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.8 |
| **Description** | Defines the number of memory sockets in use on the Physical Memory Card. Zero indicates that the Physical Memory Card is not installed or has a configuration error. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Physical Memory Card Physical Memory Array Index Reference

| | |
|---|---|
| **Name** | `physicalMemoryCardPhyMemArrayIndexReference` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1300.60.1.9 |
| **Description** | Defines the index (one-based) of the Physical Memory Array Table entry for the physical memory array with the same chassis index that this physical memory card is associated with. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

# Memory Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 15-1. Physical Memory Array Location**

| **Variable Name:** `DellPhysicalMemoryArrayLocation` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `memoryArrayLocationIsOther(1)` | The memory array location is not one of the following: |
| `memoryArrayUseIsUnknown(2)` | The memory array use is unknown. |
| `memoryArrayUseIsSystemMemory(3)` | The memory array is system memory. |
| `memoryArrayUseIsVideoMemory(4)` | The memory array is video memory. |
| `memoryArrayUseIsFLASHMemory(5)` | The memory array is FLASH memory. |
| `memoryArrayUseIsNonVolatileRAMMemory(6)` | The memory array is nonvolatile RAM. |
| `memoryArrayUseIsCacheMemory(7)` | The memory array is cache memory. |
| `memoryArrayLocationIsPCMCIA(8)` | The memory array location is a Personal Computer Memory Card International Association (PCMCIA) option card. |
| `memoryArrayLocationIsProprietary(9)` | The memory array location is a proprietary option card. |
| `memoryArrayLocationIsNUBUS(10)` | The memory array location is a NuBus bus. |
| `memoryArrayLocationIsPC98C20(11)` | The memory array location is a PC-98/C20 option card. |
| `memoryArrayLocationIsPC98C24(12)` | The memory array location is a PC-98/C24 option card. |
| `memoryArrayLocationIsPC98E(13)` | The memory array location is a PC-98/E option card. |
| `memoryArrayLocationIsPC98LocalBus(14)` | The memory array location is a PC-98/Local bus option card. |
| `memoryArrayLocationIsPC98Card(15)` | The memory array location is a PC-98/Card slot option card. |

**Table 15-2. Physical Memory Array ECC Type Definitions**

| **Variable Name:** `DellPhysicalMemoryArrayECCType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `memoryArrayECCTypeIsOther(1)` | There is not one of the following: |
| `memoryArrayECCTypeIsUnknown(2)` | The memory array ECC type is unknown. |
| `memoryArrayECCTypeIsNone(3)` | The memory array ECC type is none. |
| `memoryArrayECCTypeIsParity(4)` | The memory array ECC type is parity. |
| `memoryArrayECCTypeIsSingleBitECC(5)` | The memory array ECC type is Correctable Memory Event ECC. |
| `memoryArrayECCTypeIsMultiBitECC(6)` | The memory array ECC type is Uncorrectable Memory Event ECC. |
| `memoryArrayECCTypeIsCRC(7)` | The memory array ECC type is CRC. |

**Table 15-3. Physical Memory Configuration State Capabilities**

| **Variable Name:** `DellPhysicalMemoryConfigStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no state capabilities. |
| `unknownCapabilities(1)` | State capabilities are unknown. |
| `enableCapable(2)` | Object enable/disable is supported. |
| `notReadyCapable(4)` | Object "not ready" is supported. |

**Table 15-4. Physical Memory Configuration State Settings**

| **Variable Name:** `DellPhysicalMemoryConfigStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no state settings. |
| `unknown(1)` | State settings are unknown. |
| `enabled(2)` | Object is disabled (offline) 0, or enabled (online) 1. |
| `notReady(4)` | Object "not ready." |
| `redundantMemoryIsActive(8)` | Redundant memory is active (in use) |
| `enabledAndRedundantMemoryIsActive(10)` | Redundant memory is enabled and in use. |

**Table 15-5. Physical Memory Configuration Redundant Capabilities**

| **Variable Name:** `DellPhysicalMemoryConfigRedundantCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no redundant memory capabilities. |
| `unknownCapabilities(1)` | Redundant capabilities are unknown. |
| The redundant capabilities are: | |
| `spareCapable(2)` | Spare redundant memory feature is supported. |
| `mirrorCapable(4)` | Mirror redundant memory feature is supported. |
| `spareAndMirrorCapable(6)` | Spare and mirror redundant memory features are supported. |
| `raidCapable(8)` | Redundant Array of Independent disks (RAID) redundant memory feature is supported. |

**Table 15-6. Physical Memory Configuration Redundant Settings**

| **Variable Name:** `DellPhysicalMemoryConfigRedundantSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no redundant memory settings enabled. |
| `unknown(1)` | Redundant settings are unknown. |
| The following redundant settings are mutually exclusive: | |
| `spareEnabled(2)` | Spare redundant memory feature is enabled. |
| `mirrorEnabled(4)` | Mirror redundant memory feature is enabled. |
| `raidEnabled(8)` | RAID redundant memory feature is enabled. |

**Table 15-7. Physical Memory Logging Capabilities**

| **Variable Name:** `DellPhysicalMemoryLoggingCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no logging capabilities. |
| `unknown Capabilities(1)` | Logging capabilities are unknown. |
| The logging capabilities are: | |
| `enableCapable(2)` | Logging enable/disable using Simple Network Management Protocol (SNMP) is supported. |

**Table 15-8. Physical Memory Logging Settings**

| **Variable Name:** `DellPhysicalMemoryLoggingSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `If set to 0 (zero)` | There are no logging settings enabled. |
| `unknown Capabilities(1)` | Logging capabilities are unknown. |
| The logging settings are: | |
| `enabled(2)` | Logging is disabled (0), or enabled (1). |

# 16

# BIOS Setup Control Group

Basic Input/Output System (BIOS) Setup Control Group variables provide information about the functions that the BIOS performs in your system. This management information base (MIB) group includes variables for the boot sequence, speakers, diskettes, ports, network interface controllers (NICs), and the Wakeup on local area network (LAN) feature.

## BIOS Group Tables

The objects in this group define the BIOS control of devices and controller cards that are typically present in a system. The following MIB tables define the BIOS Setup Control Group:

- BIOS Setup Control Table
- SCSI Control Table
- Parallel Port Control Table
- Serial Port Control Table
- USB Control Table
- IDE Control Table
- Diskette Control Table
- Network Interface Control Table

### BIOS Setup Control Table

| | |
|---|---|
| **Name** | `biosSetUpControlTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10 |
| **Description** | Defines the set of single devices in a chassis controlled by the BIOS. |
| **Syntax** | BiosSetUpControlTableEntry |
| **Access** | Not accessible |

### BIOS Setup Control Table Entry

| | |
|---|---|
| **Name** | biosSetUpControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1 |
| **Description** | Defines the BIOS Control Device Table entry. |
| **Syntax** | BiosSetUpControlTableEntry |
| **Access** | Not accessible |
| **Index** | biosSetUpControlchassisIndex |

### BIOS Setup Control Chassis Index

| | |
|---|---|
| **Name** | biosSetUpControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BIOS Setup Control (BSUC) Pointing Device Control Capabilities

| | |
|---|---|
| **Name** | bSUCpointingDeviceControlCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.2 |
| **Description** | Defines the capabilities of the pointing device. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BIOS Setup Control Pointing Device Control Settings

| | |
|---|---|
| **Name** | bSUCpointingDeviceControlSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.3 |
| **Description** | Defines the state of the pointing device. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### BIOS Setup Control Pointing Device Control Status

| | |
|---|---|
| **Name** | bSUCpointingDeviceControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.4 |
| **Description** | Defines the status of the pointing device. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Pointing Device Control Name

| | |
|---|---|
| **Name** | bSUCpointingDeviceControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.5 |
| **Description** | Defines the setup BIOS name of the pointing device. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BIOS Setup Control Numeric Lock Control Capabilities

| | |
|---|---|
| **Name** | bSUCnumLockControlCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.6 |
| **Description** | Defines the capabilities of the numeric lock. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BIOS Setup Control Numeric Lock Control Settings

| | |
|---|---|
| **Name** | bSUCnumLockControlSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.7 |
| **Description** | Defines the state of the numeric lock. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### BIOS Setup Control Numeric Lock Control Status

| | |
|---|---|
| **Name** | bSUCnumLockControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.8 |
| **Description** | Defines the status of the numeric lock. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Numeric Lock Control Name

| | |
|---|---|
| **Name** | bSUCnumLockControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.9 |
| **Description** | Defines the setup BIOS name of the numeric lock. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BIOS Setup Control Processor Serial Number Control Capabilities

| | |
|---|---|
| **Name** | bSUCprocessorSerialNumberControlCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.10 |
| **Description** | Defines if the processor serial number can be returned. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BIOS Setup Control Processor Serial Number Control Settings

| | |
|---|---|
| **Name** | bSUCprocessorSerialNumberControlSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.11 |
| **Description** | Defines the state of the processor serial number. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### BIOS Setup Control Processor Serial Number Control Status

| | |
|---|---|
| **Name** | `bSUCprocessorSerialNumberControlStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.12 |
| **Description** | Defines the status of the processor serial number. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Processor Serial Number Control Name

| | |
|---|---|
| **Name** | `bSUCprocessorSerialNumberControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.13 |
| **Description** | Defines the setup BIOS name of the processor serial number. |
| **Syntax** | DellString |
| **Access** | Read-write |

### BIOS Setup Control Speaker Control Capabilities Unique

| | |
|---|---|
| **Name** | `bSUCspeakerControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.14 |
| **Description** | Defines the capabilities of the speaker control. |
| **Syntax** | DellSpeakerControlCapabilitiesUnique (See Table 16-1.) |
| **Access** | Read-only |

### BIOS Setup Control Speaker Control Settings Unique

| | |
|---|---|
| **Name** | `bSUCspeakerControlSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.15 |
| **Description** | Defines the settings available for speaker control. |
| **Syntax** | DellSpeakerControlSettingsUnique (See Table 16-2.) |
| **Access** | Read-only |

### BIOS Setup Control Speaker Control Status

| | |
|---|---|
| **Name** | bSUCspeakerControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.16 |
| **Description** | Defines the status of speaker control. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Speaker Control Name

| | |
|---|---|
| **Name** | bSUCspeakerControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.17 |
| **Description** | Defines the setup BIOS name of the speaker control. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BIOS Setup Control NIF Wakeup on LAN Control Capabilities Unique

| | |
|---|---|
| **Name** | bSUCnIFwakeonLanControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.18 |
| **Description** | Defines the defines the capabilities of the network interface function (NIF) Wakeup on LAN. |
| **Syntax** | DellNIFwakeonLanControlCapabilitiesUnique (SeeTable 16-4.) |
| **Access** | Read-only |

### BIOS Setup Control NIF Wakeup on LAN Control Settings Unique

| | |
|---|---|
| **Name** | bSUCnIFwakeonLanControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.19 |
| **Description** | Defines the state of the NIF Wakeup on LAN. |
| **Syntax** | DellNIFwakeonLanControlSettingsUnique (See Table 16-4.) |
| **Access** | Read-only |

### BIOS Setup Control NIF Wakeup on LAN Control Status

| | |
|---|---|
| **Name** | `bSUCnIFwakeonLanControlStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.20 |
| **Description** | Defines the status of the NIF Wakeup on LAN. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control NIF Wakeup on LAN Control Name

| | |
|---|---|
| **Name** | `bSUCnIFwakeonLanControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.21 |
| **Description** | Defines the setup BIOS name of the NIF Wakeup on LAN. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BIOS Setup Control Boot Sequence Control Capabilities Unique

| | |
|---|---|
| **Name** | `bSUCbootSequenceControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.22 |
| **Description** | Defines the capabilities of the boot sequence. |
| **Syntax** | DellBootSequenceControlCapabilitiesUnique (SeeTable 16-5.) |
| **Access** | Read-only |

### BIOS Setup Control Boot Sequence Control Settings Unique

| | |
|---|---|
| **Name** | `DellBootSequenceControlSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.23 |
| **Description** | Defines the state of the boot sequence. |
| **Syntax** | DellBootSequenceControlSettingsUnique (SeeTable 16-6.) |
| **Access** | Read-only |

### BIOS Setup Control Boot Sequence Control Status

| | |
|---|---|
| **Name** | bSUCbootSequenceControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.24 |
| **Description** | Defines the status of the boot sequence. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Boot Sequence Control Name

| | |
|---|---|
| **Name** | bSUCbootSequenceControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.25 |
| **Description** | Defines the control name of the boot sequence. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BIOS Setup Control Administrator Password Control Capabilities Unique

| | |
|---|---|
| **Name** | bSUCadministratorPasswordControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.26 |
| **Description** | Defines the capabilities of the administrator password control. |
| **Syntax** | DellBIOSPasswordControlCapabilitiesUnique |
| **Access** | Read-only |

### BIOS Setup Control Administrator Password Control Settings Unique

| | |
|---|---|
| **Name** | bSUCadministratorPasswordControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.27 |
| **Description** | Defines the settings for administrator password control. |
| **Syntax** | DellBIOSPasswordControlSettingsUnique (See Table 16-9.) |
| **Access** | Read-write |

### BIOS Setup Control Administrator Password Control Status

| | |
|---|---|
| **Name** | bSUCadministratorPasswordControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.28 |
| **Description** | Defines the status for administrator password control. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Setup Control Administrator Password Verify Name

| | |
|---|---|
| **Name** | bSUCadministratorPasswordVerifyName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.29 |
| **Description** | Defines the setup BIOS name for the current administrator password. |
| **Syntax** | DellString |
| **Access** | Read-write |

### BIOS Setup Control Administrator Password New Password Name

| | |
|---|---|
| **Name** | bSUCadministratorPasswordNewPasswordName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.30 |
| **Description** | Defines the setup BIOS name of the new administrator password. To set a new administrator password, you must have successfully set the current administrator password immediately preceding this password change. |
| **Syntax** | DellString |
| **Access** | Read-write |

### BIOS Control Setup User Password Control Capabilities Unique

| | |
|---|---|
| **Name** | bSUCuserPasswordControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.31 |
| **Description** | Defines the capabilities of user password control. |
| **Syntax** | DellBIOSPasswordControlCapabilitiesUnique |
| **Access** | Read-only |

### BIOS Control Setup User Password Control Settings Unique

| | |
|---|---|
| **Name** | bSUCuserPasswordControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.32 |
| **Description** | Defines the control settings for user password control. |
| **Syntax** | DellBIOSPasswordControlSettingsUnique (See Table 16-9.) |
| **Access** | Read-write |

### BIOS Control Setup User Password Control Status

| | |
|---|---|
| **Name** | bSUCuserPasswordControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.33 |
| **Description** | Defines the status of the user password control. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BIOS Control Setup User Password Verify Name

| | |
|---|---|
| **Name** | bSUCuserPasswordVerifyName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.34 |
| **Description** | Defines the setup BIOS name of the current user password. |
| **Syntax** | DellString |
| **Access** | Read-write |

### BIOS Control Setup User Password New Password Name

| | |
|---|---|
| **Name** | bSUCuserPasswordNewPasswordName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.10.1.35 |
| **Description** | Defines the setup BIOS name of the new user password. To set a new user password, a you must have successfully set the current user password immediately preceding this password change. |
| **Syntax** | DellString |
| **Access** | Read-write |

## SCSI Control Table

| | |
|---|---|
| **Name** | sCSIControlTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20 |
| **Description** | Defines the Small Computer System Interface (SCSI) Control Table. |
| **Syntax** | SCSIControlTableEntry |
| **Access** | Not accessible |

### SCSI Control Table Entry

| | |
|---|---|
| **Name** | sCSIControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1 |
| **Description** | Defines the SCSI Control Table entry. |
| **Syntax** | SCSIControlTableEntry |
| **Access** | Not accessible |
| **Index** | sCSIControlchassisIndex, sCSIControlIndex |

### SCSI Control Chassis Index

| | |
|---|---|
| **Name** | sCSIControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### SCSI Control Index

| | |
|---|---|
| **Name** | sCSIControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.2 |
| **Description** | Defines the index (one-based) of the SCSI controller in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### SCSI Control Capabilities

| | |
|---|---|
| **Name** | sCSIControlCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.3 |
| **Description** | Defines the capabilities of the SCSI controller. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### SCSI Control Settings

| | |
|---|---|
| **Name** | sCSIControlSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.4 |
| **Description** | Defines the state of the SCSI controller. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### SCSI Control Status

| | |
|---|---|
| **Name** | sCSIControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.5 |
| **Description** | Defines the status of the SCSI controller. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### SCSI Control Name

| | |
|---|---|
| **Name** | sCSIControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.20.1.6 |
| **Description** | Defines the setup BIOS name of the SCSI controller. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Parallel Port Control Table

| | |
|---|---|
| **Name** | parallelPortControlTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30 |
| **Description** | Defines the Parallel Port Control Table. |
| **Syntax** | ParallelPortControlTableEntry |
| **Access** | Not accessible |

### Parallel Port Control Table Entry

| | |
|---|---|
| **Name** | parallelPortControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1 |
| **Description** | Defines the Parallel Port Control Table entry. |
| **Syntax** | ParallelPortControlTableEntry |
| **Access** | Not accessible |
| **Index** | parallelPortControlchassisIndex, parallelPortControlIndex |

### Parallel Port Control Chassis Index

| | |
|---|---|
| **Name** | parallelPortControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Parallel Port Control Index

| | |
|---|---|
| **Name** | parallelPortControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.2 |
| **Description** | Defines the index (one-based) of the parallel port in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Parallel Port Control Capabilities Unique

| | |
|---|---|
| **Name** | `parallelPortControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.3 |
| **Description** | Defines the capabilities of the parallel port. |
| **Syntax** | DellParallelPortControlCapabilitiesUnique (See Table 16-10.) |
| **Access** | Read-only |

### Parallel Port Control Settings Unique

| | |
|---|---|
| **Name** | `parallelPortControlSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.4 |
| **Description** | Defines the state of the parallel port. |
| **Syntax** | DellParallelPortControlSettingsUnique (See Table 16-11.) |
| **Access** | Read-only |

### Parallel Port Control Status

| | |
|---|---|
| **Name** | `parallelPortControlStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.5 |
| **Description** | Defines the status of the parallel port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Parallel Port Control Name

| | |
|---|---|
| **Name** | `parallelPortControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.6 |
| **Description** | Defines the setup BIOS name of the parallel port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Parallel Port Control Mode Capabilities Unique

| | |
|---|---|
| **Name** | parallelPortControlModeCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.7 |
| **Description** | Defines the mode capabilities of the parallel port. |
| **Syntax** | DellParallelPortControlModeCapabilitiesUnique (See Table 16-12.) |
| **Access** | Read-only |

### Parallel Port Control Mode Settings Unique

| | |
|---|---|
| **Name** | parallelPortControlModeSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.30.1.8 |
| **Description** | Defines the mode settings of the parallel port. |
| **Syntax** | DellParallelPortControlModeSettingsUnique (See Table 16-12.) |
| **Access** | Read-write |

## Serial Port Control Table

| | |
|---|---|
| **Name** | serialPortControlTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40 |
| **Description** | Defines the Serial Port Control Table. |
| **Syntax** | SerialPortControlTableEntry |
| **Access** | Not accessible |

### Serial Port Control Table Entry

| | |
|---|---|
| **Name** | serialPortControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1 |
| **Description** | Defines the Serial Port Control Table entry. |
| **Syntax** | SerialPortControlTableEntry |
| **Access** | Not accessible |
| **Index** | serialPortControlchassisIndex, serialPortControlIndex |

### Serial Port Control Chassis Index

| | |
|---|---|
| **Name** | serialPortControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.1 |
| **Description** | Defines index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | read-only |

### Serial Port Control Index

| | |
|---|---|
| **Name** | serialPortControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.2 |
| **Description** | Defines the index (one-based) of the serial port in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | read-only |

### Serial Port Control Capabilities Unique

| | |
|---|---|
| **Name** | serialPortControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.3 |
| **Description** | Defines the capabilities of the serial port. |
| **Syntax** | DellSerialPortControlCapabilitiesUnique (See Table 16-13.) |
| **Access** | Read-only |

### Serial Port Control Settings Unique

| | |
|---|---|
| **Name** | serialPortControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.4 |
| **Description** | Defines the settings of the serial port. |
| **Syntax** | DellSerialPortControlSettingsUnique (See Table 16-14.) |
| **Access** | Read-only |

#### Serial Port Control Status

| | |
|---|---|
| **Name** | `serialPortControlStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.5 |
| **Description** | Defines the status of the serial port. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

#### Serial Port Control Name

| | |
|---|---|
| **Name** | `serialPortControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.40.1.6 |
| **Description** | Defines the setup BIOS name of the serial port. |
| **Syntax** | DellString |
| **Access** | Read-only |

### USB Control Table

These objects enable you to track the attributes of your Universal Serial Bus (USB).

| | |
|---|---|
| **Name** | `usbControlTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50 |
| **Description** | Defines the USB Table. |
| **Syntax** | UsbControlTableEntry |
| **Access** | Not accessible |

#### USB Control Table Entry

| | |
|---|---|
| **Name** | `usbControlTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1 |
| **Description** | Defines the USB Table entry. |
| **Syntax** | UsbControlTableEntry |
| **Access** | Not accessible |
| **Index** | usbControlchassisIndex, usbControlIndex |

### USB Control Chassis Index

| | |
|---|---|
| **Name** | usbControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.1 |
| **Description** | Defines index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### USB Control Index

| | |
|---|---|
| **Name** | usbControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.2 |
| **Description** | Defines the index (one-based) of the USB in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### USB Control Capabilities

| | |
|---|---|
| **Name** | usbControlCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.3 |
| **Description** | Defines the capabilities of the USB. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### USB Control Settings

| | |
|---|---|
| **Name** | usbControlSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.4 |
| **Description** | Defines the control settings for the USB. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### USB Control Status

| | |
|---|---|
| **Name** | usbControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.5 |
| **Description** | Defines the status of the USB. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### USB Control Name

| | |
|---|---|
| **Name** | usbControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.50.1.6 |
| **Description** | Defines the setup BIOS name of the USB. |
| **Syntax** | DellString |
| **Access** | Read-only |

## IDE Control Table

These objects enable you to track the attributes of Integrated Device Electronics (IDE) controller cards in your system.

| | |
|---|---|
| **Name** | ideControlTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60 |
| **Description** | Defines the IDE Control Table. |
| **Syntax** | IdeControlTableEntry |
| **Access** | Not accessible |

### IDE Control Table Entry

| | |
|---|---|
| **Name** | ideControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1 |
| **Description** | Defines the IDE Control Table entry. |
| **Syntax** | IdeControlTableEntry |
| **Access** | Not accessible |
| **Index** | ideControlchassisIndex, ideControlIndex |

### IDE Control Chassis Index

| | |
|---|---|
| **Name** | ideControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### IDE Control Index

| | |
|---|---|
| **Name** | ideControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.2 |
| **Description** | Defines the index (one-based) of the IDE controller in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### IDE Control Capabilities Unique

| | |
|---|---|
| **Name** | ideControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.3 |
| **Description** | Defines the capabilities of the IDE controller. |
| **Syntax** | DellideControlCapabilitiesUnique (See Table 16-15.) |
| **Access** | Read-only |

### IDE Control Settings Unique

| | |
|---|---|
| **Name** | ideControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.4 |
| **Description** | Defines the settings for the IDE controller. |
| **Syntax** | DellideControlCapabilitiesUnique (See Table 16-15.) |
| **Access** | Read-only |

### IDE Control Status

| | |
|---|---|
| **Name** | ideControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.5 |
| **Description** | Defines the status for the IDE controller. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### IDE Control Name

| | |
|---|---|
| **Name** | ideControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.60.1.6 |
| **Description** | Defines the setup BIOS name for the IDE controller. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

## Diskette Control Table

| | |
|---|---|
| **Name** | disketteControlTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70 |
| **Description** | Defines the Diskette Control Table. |
| **Syntax** | DisketteControlTableEntry |
| **Access** | Not accessible |

### Diskette Control Table Entry

| | |
|---|---|
| **Name** | disketteControlTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1 |
| **Description** | Defines the Diskette Control Table entry. |
| **Syntax** | DellStatus |
| **Access** | Not accessible |
| **Index** | disketteControlchassisIndex, disketteControlIndex |

### Diskette Control Chassis Index

| | |
|---|---|
| **Name** | `disketteControlchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Diskette Control Index

| | |
|---|---|
| **Name** | `disketteControlIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.2 |
| **Description** | Defines the index of the diskette controllers in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Diskette Control Capabilities Unique

| | |
|---|---|
| **Name** | `disketteControlCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.3 |
| **Description** | Defines the capabilities of the diskette controller. |
| **Syntax** | DellDisketteControlCapabilitiesUnique (See Table 16-16.) |
| **Access** | Read-only |

### Diskette Control Settings Unique

| | |
|---|---|
| **Name** | `disketteControlSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.4 |
| **Description** | Defines the control settings for the diskette controller. |
| **Syntax** | DellDisketteControlSettingsUnique |
| **Access** | Read-only |

#### Diskette Control Status

| | |
|---|---|
| **Name** | `disketteControlStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.5 |
| **Description** | Defines the status of the diskette controller. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

#### Diskette Control Name

| | |
|---|---|
| **Name** | `disketteControlName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.70.1.6 |
| **Description** | Defines the setup BIOS name of the diskette controller. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Network Interface Control Table

These MIB objects enable you to track the attributes of the NIC card for your system.

| | |
|---|---|
| **Name** | `networkInterfaceControlTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80 |
| **Description** | Defines the Network Interface Control Table. |
| **Syntax** | NetworkInterfaceControlTableEntry |
| **Access** | Not accessible |

#### Network Interface Control Table Entry

| | |
|---|---|
| **Name** | `networkInterfaceControlTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1 |
| **Description** | Defines the Network Interface Control Table entry. |
| **Syntax** | NetworkInterfaceControlTableEntry |
| **Access** | Not accessible |
| **Index** | networkInterfaceControlchassisIndex, networkInterfaceControlIndex |

### Network Interface Control Chassis Index

| | |
|---|---|
| **Name** | networkInterfaceControlchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Network Interface Control Index

| | |
|---|---|
| **Name** | networkInterfaceControlIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.2 |
| **Description** | Defines the index (one-based) of the network interface controller in this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Network Interface Control Capabilities Unique

| | |
|---|---|
| **Name** | networkInterfaceControlCapabilitiesUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.3 |
| **Description** | Defines the capabilities of the NIC. |
| **Syntax** | DellNetworkInterfaceControlCapabilitiesUnique (See Table 16-17.) |
| **Access** | Read-only |

### Network Interface Control Settings Unique

| | |
|---|---|
| **Name** | networkInterfaceControlSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.4 |
| **Description** | Defines the control settings for the NIC. |
| **Syntax** | DellNetworkInterfaceControlSettingsUnique (See Table 16-18.) |
| **Access** | Read-write |

### Network Interface Control Status

| | |
|---|---|
| **Name** | networkInterfaceControlStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.5 |
| **Description** | Defines the status of the NIC. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Network Interface Control Name

| | |
|---|---|
| **Name** | networkInterfaceControlName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1400.80.1.6 |
| **Description** | Defines the setup BIOS name of the NIC. |
| **Syntax** | DellString |
| **Access** | Read-only |

# BIOS Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 16-1. Speaker Control Capabilities Unique**

| **Variable Name:** DellSpeakerControlCapabilitiesUnique | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| unknown(1) | Speaker control capabilities are unknown. |
| enableCapable(2) | Setup BIOS can enable speaker control. |
| lowCapable(4) | Setup BIOS can set the speaker volume to low. |
| mediumCapable(8) | Setup BIOS can set the speaker volume to medium. |
| highCapable(16) | Setup BIOS can set the speaker volume to high. |
| allVolumeCapable(30) | Setup BIOS can set the speaker volume to any of the three settings. |

**Table 16-2. Speaker Control Settings Unique**

| **Variable Name:** `DellSpeakerControlSettingsUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Speaker control state is unknown. |
| `enabled(2)` | Speaker control is enabled. |
| `low(4)` | Speaker control volume is low. |
| `medium(8)` | Speaker control volume is medium. |
| `high(16)` | Speaker control volume is high. |

**Table 16-3. Network Interface (NIF) Wakeup on LAN Capabilities Unique**

| **Variable Name:** `DellNIFwakeonLanControlCapabilitiesUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Setup BIOS Wakeup on LAN capabilities are unknown. |
| `enableCapable(2)` | Setup BIOS is capable of enabling the NIF Wakeup on LAN. |
| `addInCardCapable(4)` | Setup BIOS is capable of enabling Wakeup on LAN by option card. |
| `onBoardCapable(8)` | Setup BIOS is capable of enabling Wakeup on LAN by integrated NIF. |
| `bothCapable(14)` | Setup BIOS is capable of enabling Wakeup on LAN by either option card or integrated NIF. |

**Table 16-4. NIF Wakeup on LAN Control Settings Unique**

| **Variable Name:** `DellNIFwakeonLanControlSettingsUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | NIF Wakeup on LAN state is unknown. |
| `enabled(2)` | NIF Wakeup on LAN is enabled. |
| `addInCard(4)` | NIF Wakeup on LAN is by option card. |
| `onBoard(8)` | NIF Wakeup on LAN is by integrated NIF. |
| `addInCardOrOnBoard(12)` | NIF Wakeup on LAN is by option card or integrated NIF. |

**Table 16-5. Boot Sequence Control Capabilities Unique**

| **Variable Name:** `DellBootSequenceControlCapabilitiesUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `bootSequenceUnknown(1)` | Boot sequence capabilities are unknown. |
| `bootFromDisketteFirstCapable(2)` | Setup BIOS can boot from a diskette first. |
| `bootFromhardDriveFirstCapable(4)` | Setup BIOS can boot from an IDE hard drive first. |
| `bootFromDisketteORHardDriveFirst Capable(6)` | Setup BIOS can boot from a diskette or an IDE hard drive first. |
| `bootFromDeviceListCapable(8)` | Setup BIOS can boot from a device list. |
| `bootFromCDROMFirstCapable(16)` | Setup BIOS can boot from a CD first. |
| `allFirstCapable(30)` | Setup BIOS can boot by any of the preceding methods first. |

**Table 16-6. Boot Sequence Control Settings Unique**

| **Variable Name:** `DellBootSequenceControlSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `bootSequenceUnknown(1)` | Boot sequence state is unknown. |
| `bootFromDisketteFirst(2)` | Setup BIOS is set to boot by diskette first. |
| `bootFromHardDriveFirst(4)` | Setup BIOS is set to boot by IDE hard drive first. |
| `bootFromDeviceList(8)` | Setup BIOS is set to boot by a device list. |
| `bootFromCDROMFirst(16)` | Setup BIOS is set to boot by CD first. |

**Table 16-7. BIOS Password Control Capabilities**

| **Variable Name:** `DellBIOSPasswordControlCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `passwordControlCapabilitiesUnknown(1)` | BIOS password capabilities are unknown. |
| `passwordControlEnableCapable(2)` | Setup BIOS is capable of enabling password changes. |
| `passwordControlJumperDisableCapable(4)` | Setup BIOS is capable of determining if password control can be jumper disabled. |
| `passwordControlEnableANDJumperDisable Capable(6)` | Setup BIOS is capable of enabling password changes and of determining if password control can be jumper disabled. |

**Table 16-8. BIOS Password Control Settings Unique**

| **Variable Name:** `DellBIOSPasswordControlSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `passwordControlSettingsUnknown(1)` | Setup BIOS password state is unknown. |
| `passwordControlEnabled(2)` | Setup BIOS has password changes enabled. |
| `passwordControlJumperDisabled(4)` | Setup BIOS has determined that password control has been disabled by a jumper. |

**Table 16-9. BIOS Password Control Settings**

| **Variable Name:** `DellBIOSPasswordControlSettingsUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `passwordControlSettingsUnknown(1)` | Setup BIOS password state is unknown. |
| `passwordControlEnabled(2)` | Setup BIOS has password changes enabled. |
| `passwordControlJumperDisabled(4)` | Setup BIOS has determined that password control has been disabled by a jumper. |

**Table 16-10. Parallel Port Control Capabilities**

| **Variable Name:** `DellParallelPortControlCapabilitiesUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Setup BIOS parallel port capabilities are unknown. |
| `enableCapable(2)` | Setup BIOS can enable the parallel port. |
| `lpt1Capable(4)` | Setup BIOS can support parallel port 1. |
| `lpt1andEnableCapable(6)` | Setup BIOS has enabled parallel port 1. |
| `lpt2Capable(8)` | Setup BIOS can support parallel port 2. |
| `lpt2andEnableCapable(10)` | Setup BIOS has enabled parallel port 2. |
| `lpt3Capable(16)` | Setup BIOS can support parallel port 3. |
| `lpt3andEnableCapable(18)` | Setup BIOS has enabled parallel port 3. |
| `allParallelPortCapable(30)` | Setup BIOS can support any of the three parallel ports. |

**Table 16-11. Parallel Port Control Settings**

| **Variable Name:** `DellParallelPortControlSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Parallel port state is unknown. |
| `enabled(2)` | Setup BIOS has enabled the parallel port. |
| `lpt1(4)` | Setup BIOS supports parallel port 1. |
| `lpt1Enabled(6)` | Setup BIOS has enabled parallel port 1. |
| `lpt2(8)` | Setup BIOS supports parallel port 2. |
| `lpt2Enabled(10)` | Setup BIOS has enabled parallel port 2. |
| `lpt3(16)` | Setup BIOS supports parallel port 3. |

**Table 16-12. Parallel Port Control Mode Settings**

| **Variable Name:** `DellParallelPortControlModeSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Parallel port mode is unknown. |
| `atModeEnabled(2)` | Setup BIOS has set the parallel port to AT mode. |
| `ps2ModeEnabled(4)` | Setup BIOS has set the parallel port to Personal Systems/2 (PS/2) mode. |
| `ecpModeEnabled(8)` | Setup BIOS has set the parallel port to Extended Capabilities Port (ECP) mode. |
| `eppModeEnabled(16)` | Setup BIOS has set the parallel port to Enhanced Parallel Port (EPP) mode. |

**Table 16-13. Serial Port Control Capabilities**

| **Variable Name:** `DellSerialPortControlCapabilitiesUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Setup BIOS serial port capabilities are unknown. |
| `enableCapable(2)` | Setup BIOS can enable the serial port. |
| `com1Capable(4)` | Setup BIOS can support serial port 1. |
| `enableAndCom1Capable(6)` | Setup BIOS can enable serial port 1. |
| `com2Capable(8)` | Setup BIOS can support serial port 2. |
| `enableAndCom2Capable(10)` | Setup BIOS is capable of enabling serial port 2. |
| `com3Capable(16)` | Setup BIOS can support serial port 3. |
| `enableAndCom3Capable(18)` | Setup BIOS is capable of enabling serial port 3. |
| `com4Capable(32)` | Setup BIOS can support serial port 4. |
| `enableAndCom4Capable(34)` | Setup BIOS is capable of enabling serial port 4. |
| `autoConfigCapable(64)` | Setup BIOS is capable of autoconfiguring all serial ports. |
| `com1OrCom3CapableAndAutoConfigCapable(86)` | Setup BIOS has enabled autoconfiguration of COM1 and COM3 serial ports. |
| `com2OrCom4CapableAndAutoConfigCapable(106)` | Setup BIOS has enabled autoconfiguration of COM2 and COM4 serial ports. |
| `allcomCapable(126)` | Setup BIOS is capable of enabling or autoconfiguring all serial ports. |

**Table 16-14. Serial Port Control Settings**

| **Variable Name:** `DellSerialPortControlSettingsUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Serial port state is unknown. |
| `enabled(2)` | Setup BIOS has enabled the serial port. |
| `com1(4)` | Setup BIOS has selected serial port 1. |
| `com1Enabled(6)` | Setup BIOS has enabled serial port 1. |
| `com2(8)` | Setup BIOS has selected serial port 2. |
| `com2Enabled(10)` | Setup BIOS has enabled serial port 2. |
| `com3(16)` | Setup BIOS has selected serial port 3. |
| `com3Enabled(18)` | Setup BIOS has enabled serial port 3. |
| `com4(32)` | Setup BIOS has selected serial port 4. |
| `com4Enabled(34)` | Setup BIOS has enabled serial port 4. |
| `comPortsAutoConfig(64)` | Setup BIOS has selected autoconfiguration of serial ports. |
| `enabledAndAutoConfig(66)` | Setup BIOS has enabled autoconfiguration of serial ports. |

**Table 16-15. IDE Control Capabilities**

| **Variable Name:** `DellideControlCapabilitiesUnique`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | IDE control capabilities are unknown. |
| `ideControlAutoConfigOrEnableCapable(2)` | IDE controller is autoconfigurable or enable capable. |

**Table 16-16. Diskette Control Settings**

| **Variable Name:** DellDisketteControlSettingsUnique<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| unknown(1) | Diskette control state is unknown. |
| disketteControlAutoConfigEnabledOrEnabled(2) | Diskette control is set as autoconfigurable or enabled. |

**Table 16-17. Network Interface Control Capabilities**

| **Variable Name:** DellNetworkInterfaceControlCapabilitiesUnique<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| unknown(1) | Unknown setup BIOS network interface capabilities. |
| enableCapable(2) | Setup BIOS is capable of enabling the network interface. |
| enableWithoutPXECapable(4) | Setup BIOS is capable of enabling the NIF without Pre-boot eXecution Environment (PXE). |

**Table 16-18. Network Interface Control Settings**

| **Variable Name:** DellNetworkInterfaceControlSettingsUnique<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| unknown(1) | Network interface state is unknown. |
| enabled(2) | Network interface is enabled. |
| enabledWithoutPXE(4) | Network interface is enabled without PXE. |

# 17

# Local Response Agent Group

The Local Response Agent Group provides information about various attributes of your system's local response agent (LRA). The LRA allows systems managers to predetermine how a system running the server administrator will respond to a particular event type, such as the loss of redundancy in a specific component or the elevation of temperature in a chassis. Systems managers can configure the LRA to respond to an event type with a specific action. When the condition of the critical component worsens, the systems manager can escalate the response to make it more obvious to the operator.

For example, when a voltage probe on a monitored machine reaches a warning condition, the systems manager may want to notify the operator by causing the machine to beep. When the voltage probe reaches failure, the systems manager might want to have the system that has a failing component send a broadcast message to the management system and power off the troubled system.

## LRA Group Tables

The following management information base (MIB) tables define LRA variable attributes:

- LRA Global Settings Table
- LRA Action Table

### LRA Global Settings

The global settings table allows the systems manager to determine what LRA capabilities exist for a specific system that is running Server Administrator. Some machines may support all or some of the capabilities described in DellLocalResponseAgentCapabilitiesUnique. The LRA Global Settings Table also defines thermal shutdown capabilities and settings. In the event that a temperature probe determines the temperature is at or over the failure limit, the systems manager can set an action to be taken automatically.

### LRA Global Settings Table

| | |
|---|---|
| **Name** | `lRAGlobalSettingsTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10 |
| **Description** | Defines the LRA Global Settings Table. |
| **Syntax** | SEQUENCE OF LRAGlobalSettingsTableEntry |
| **Access** | Not accessible |

### LRA Global Settings Table Entry

| | |
|---|---|
| **Name** | lRAGlobalSettingsTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1 |
| **Description** | Defines the LRA Global Settings Table entry. |
| **Syntax** | LRAGlobalSettingsTableEntry |
| **Access** | Not accessible |
| **Index** | lRAGlobalchassisIndex |

### LRA Global Chassis Index

| | |
|---|---|
| **Name** | lRAGlobalchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### LRA Global State

| | |
|---|---|
| **Name** | lRAGlobalState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.2 |
| **Description** | Defines the state of the LRA global settings. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### LRA Global Settings Disable Time-out Value

| | |
|---|---|
| **Name** | `lRAGlobalSettingsDisableTimeoutValue` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.3 |
| **Description** | Defines the time-out duration countdown, in seconds, that the LRA global settings will be disabled after a system shutdown and reboot. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### LRA Global Settings Capabilities Unique

| | |
|---|---|
| **Name** | `lRAGlobalSettingsCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.4 |
| **Description** | Defines the set of global capabilities that all local response agents may or may not allow to be set or reset. |
| **Syntax** | DellLocalResponseAgentCapabilitiesUnique (See Table 17-1.) |
| **Access** | Read-only |

### LRA Global Thermal Shutdown Capabilities Unique

| | |
|---|---|
| **Name** | `lRAGlobalThermalShutdownCapabilitiesUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.5 |
| **Description** | Defines the set of thermal shutdown capabilities that are supported by the LRA. |
| **Syntax** | DellLRAThermalShutdownCapabilitiesUnique |
| **Access** | Read-only |

### LRA Global Thermal Shutdown State Settings Unique

| | |
|---|---|
| **Name** | `lRAGlobalThermalShutdownStateSettingsUnique` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.10.1.6 |
| **Description** | Defines the set of thermal shutdown state and settings that the local response agent supports. |
| **Syntax** | DellLRAThermalShutdownStateSettingsUnique |
| **Access** | Read-write |

## LRA Action Table

The `DellLocalResponseAgentCapabilitiesUnique` variable in the global action table defines the capabilities that are allowed for a particular system. The LRA Action Table that follows selects which of the system's capabilities (global actions) are to be enabled.

| | |
|---|---|
| **Name** | `lRAActionTableTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20 |
| **Description** | Defines the LRA Action Table. |
| **Syntax** | SEQUENCE OF LRAActionTableTableEntry |
| **Access** | Not accessible |

### LRA Action Table Entry

| | |
|---|---|
| **Name** | `lRAActionTableTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20.1 |
| **Description** | Defines the LRA Action Table entry. |
| **Syntax** | LRAActionTableTableEntry |
| **Access** | Not accessible |
| **Index** | lRAActionTablechassisIndex, lRAActionTableActionNumberIndex |

### LRA Action Table Chassis Index

| | |
|---|---|
| **Name** | `lRAActionTablechassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### LRA Action Table Action Number Index

| | |
|---|---|
| **Name** | `lRAActionTableActionNumberIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20.1.2 |
| **Description** | Defines the LRA action number index. The action number indexes are as follows:<br>**160** — temperature failure action definition<br>**168** — cooling device failure action definition<br>**172** — voltage failure action definition<br>**200** — temperature warning action definition<br>**202** — voltage warning action definition<br>**204** — cooling device warning action definition<br>**206** — amperage failure action definition<br>**208** — amperage warning action definition<br>**210** — a power or cooling unit redundancy lost action definition<br>**212** — a power or cooling unit redundancy degraded action definition<br>**214** — power supply failed action definition<br>**220** — chassis intrusion action definition<br>**228** — memory device warning action definition<br>**474** — memory device failure action definition<br>**1006** — automatic system recovery (ASR) action definition<br>**1353** — power supply warning action definition<br>**1553** — log near full action definition<br>**1554** — log full action definition<br>**1603** — processor warning action definition<br>**1604** — processor failure action definition<br>**1703** — battery warning action definition<br>**1704** — battery failure action definition |
| **Syntax** | DellUnsigned16BitRange |
| **Access** | Read-only |

#### LRA Action Table User Application Name

| | |
|---|---|
| **Name** | lRAActionTableUserApplicationName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20.1.3 |
| **Description** | When the "execute application value" is set, provides the following user-assignable LRA information:<br>• Name of the user application executable path<br>• File name to execute |
| **Syntax** | DisplayString (SIZE (0..256)) |
| **Access** | Read-write |

#### LRA Action Table Settings Unique

| | |
|---|---|
| **Name** | lRAActionTableSettingsUnique |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1500.20.1.4 |
| **Description** | Defines the LRA settings. |
| **Syntax** | DellLocalResponseAgentSettingsUnique (See Table 17-3.) |
| **Access** | Read-write |

# Local Response Agent Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 17-1. LRA Capabilities Definitions**

| **Variable Name:** DellLocalResponseAgentCapabilitiesUnique | |
|---|---|
| **Data Type:** Integer | |
| **Possible Data Values** | **Meaning of Data Value** |
| speakerControlCapable(1) | The LRA can issue a speaker beep. |
| consoleAlertCapable(2) | The LRA can alert the console. |
| broadcastMessageCapable(4) | The LRA can broadcast a message. |
| osShutDownCapable(8) | The LRA can shut down the operating system. |
| rebootCapable(16) | The LRA can reboot the system. |
| powerCycleCapable(32) | The LRA is capable of a system power cycle. |
| powerOFFCapable(64) | The LRA can shut the system power off. |
| executeApplicationCapable(256) | The LRA can execute a user mode application. |
| lraFullyCapable(383) | The LRA has all of the preceding capabilities. |

**Table 17-2. LRA Thermal Shutdown Capabilities Unique**

| **Variable Name:** `DellLRAThermalShutdownCapabilitiesUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The LRA has no thermal shutdown capabilities. |
| `Unknown capabilities(1)` | The LRA's thermal shutdown capabilities are unknown. |
| `enableCapable(2)` | The LRA can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| `warningCapable(4)` | The LRA can carry out chassis-determined action(s) when a warning condition is detected. |
| `enableOnWarningCapable(6)` | The LRA enables activation of chassis-determined action(s) when a warning condition is detected. |
| `failureCapable(8)` | The LRA can carry out chassis-determined action(s) when a failure condition is detected. |
| `enableOnFailureCapable(10)` | The LRA enables activation of chassis-determined action(s) when a failure condition is detected. |
| `enableOnWarningOrFailureCapable(14)` | The LRA enables activation of chassis-determined action(s) when either a failure or a warning condition is detected. |

**Table 17-3. Local Response Agent Settings Unique**

| **Variable Name:** `DellLocalResponseAgentSettingsUnique` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `speakerControl(1)` | LRA is set to issue a speaker beep. |
| `consoleAlert(2)` | LRA is set to issue a console alert. |
| `broadcastMessage(4)` | LRA is set to issue a broadcast message. |
| `osShutDown(8)` | LRA is set to issue an operating system shutdown. |
| `reboot(16)` | LRA is set to issue a system reboot. |
| `powerCycle(32)` | LRA is set to issue a system power cycle. |
| `powerOFF(64)` | LRA is set to issue a system power off. |
| `executeApplication(256)` | LRA is set to start a user mode application. |
| `allLRASettingsUnique(383)` | LRA is set to all LRA settings combinations. |

# 18

# Cost of Ownership Group

The Cost of Ownership (COO) Group provides a full set of cost-tracking objects, including fields for the computer's manufacturer, insurer, lessor, warranty, user, trouble tickets, and many others. You can use these management information base (MIB) objects to obtain accurate and complete measurements of the cost of each computer asset in your organization.

## Cost of Ownership Group Tables

The Cost of Ownership Group defines objects in the following MIB tables:

- Cost of Ownership Table
- COO Service Contract Table
- COO Cost Event Log Table
- COO Warranty Table
- COO Lease Information Table
- COO Schedule Number Table
- COO Options Table
- COO Maintenance Table
- COO Repair Table
- COO Support Information Table
- COO Trouble Ticket Table

### Cost of Ownership Table

The following MIB object sets up the Cost of Ownership Table.

| | |
|---|---|
| **Name** | `cooTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10 |
| **Description** | Defines the Cost of Ownership Table. |
| **Syntax** | SEQUENCE OF CooTableEntry |
| **Access** | Not accessible |

### Cost of Ownership Table Entry

| | |
|---|---|
| **Name** | cooTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1 |
| **Description** | Defines the Cost of Ownership Table entry. |
| **Syntax** | CooTableEntry |
| **Access** | Not accessible |
| **Index** | coochassisIndex |

### COO Chassis Index

| | |
|---|---|
| **Name** | coochassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | CooTableEntry |
| **Access** | Read-only |

### COO State

| | |
|---|---|
| **Name** | cooState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.2 |
| **Description** | Defines the acquisition state of the system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Acquisition Purchase Cost

| | |
|---|---|
| **Name** | cooAquisitionPurchaseCost |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.3 |
| **Description** | Defines the purchase cost of the system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Acquisition Waybill Number

| | |
|---|---|
| **Name** | cooAquisitionWayBillNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.4 |
| **Description** | Defines the waybill number of the system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Acquisition Install Date Name

| | |
|---|---|
| **Name** | cooAquisitionInstallDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.5 |
| **Description** | Defines the installation date and time for the system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Acquisition Purchase Order

| | |
|---|---|
| **Name** | cooAquisitionPurchaseOrder |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.6 |
| **Description** | Defines the purchase order number of the system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Acquisition Purchase Date Name

| | |
|---|---|
| **Name** | cooAquisitionPurchaseDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.7 |
| **Description** | Defines the purchase date and time of the system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Acquisition Signing Authority Name

| | |
|---|---|
| **Name** | cooAquisitionSigningAuthorityName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.8 |
| **Description** | Defines the name of the authorized person who signs for the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Original Machine Configuration Expensed

| | |
|---|---|
| **Name** | cooOriginalMachineConfigurationExpensed |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.9 |
| **Description** | Specifies whether the purchase of this system was expensed. |
| **Syntax** | DellBoolean |
| **Access** | Read-write |

### COO Original Machine Configuration Vendor Name

| | |
|---|---|
| **Name** | cooOriginalMachineConfigurationVendorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.10 |
| **Description** | Defines the vendor name of the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-only |

### COO Cost Center Information Vendor Name

| | |
|---|---|
| **Name** | cooCostCenterInformationVendorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.11 |
| **Description** | Defines the cost center name of the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO User Information User Name

| | |
|---|---|
| **Name** | cooUserInformationUserName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.12 |
| **Description** | Defines the name of the user for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Extended Warranty Start Date Name

| | |
|---|---|
| **Name** | cooExtendedWarrantyStartDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.13 |
| **Description** | Defines the extended warranty start date for this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Extended Warranty End Date Name

| | |
|---|---|
| **Name** | cooExtendedWarrantyEndDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.14 |
| **Description** | Defines the extended warranty end date for this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Extended Warranty Cost

| | |
|---|---|
| **Name** | cooExtendedWarrantyCost |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.15 |
| **Description** | Defines the extended warranty cost date for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Extended Warranty Provider Name

| | |
|---|---|
| **Name** | cooExtendedWarrantyProviderName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.16 |
| **Description** | Defines the name of the extended warranty provider for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Ownership Code

| | |
|---|---|
| **Name** | cooOwnershipCode |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.17 |
| **Description** | Defines the ownership code for this system. |
| **Syntax** | DellCooOwnershipCodes (See Table 18-1.) |
| **Access** | Read-write |

### COO Corporate Owner Name

| | |
|---|---|
| **Name** | cooCorporateOwnerName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.18 |
| **Description** | Defines the name of the corporation that owns this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Hazardous Waste Code Name

| | |
|---|---|
| **Name** | cooHazardousWasteCodeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.19 |
| **Description** | Defines the hazardous waste code for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Deployment Date Length

| | |
|---|---|
| **Name** | cooDeploymentDateLength |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.20 |
| **Description** | Defines the deployment time for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Deployment Duration Type

| | |
|---|---|
| **Name** | cooDeploymentDurationType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.21 |
| **Description** | Defines the deployment time units for this system. |
| **Syntax** | DellCooHourDayDurationType (See Table 18-2.) |
| **Access** | Read-write |

### COO Training Name

| | |
|---|---|
| **Name** | cooTrainingName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.22 |
| **Description** | Defines the training that the user has for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Outsourcing Problem Description Name

| | |
|---|---|
| **Name** | cooOutsourcingProblemDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.23 |
| **Description** | Defines a problem encountered with the outsourcing service provider. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Outsourcing Service Fee Name

| | |
|---|---|
| **Name** | cooOutsourcingServiceFeeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.24 |
| **Description** | Defines amount that the outsourcing vendor charges for service. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Outsourcing Signing Authority Name

| | |
|---|---|
| **Name** | cooOutsourcingSigningAuthorityName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.25 |
| **Description** | Defines the name of the person who can sign the authorization for service. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Outsourcing Provider Fee Name

| | |
|---|---|
| **Name** | cooOutsourcingProviderFeeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.26 |
| **Description** | Defines any additional outsourcing charge for service. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Outsourcing Provider Service Level Name

| | |
|---|---|
| **Name** | cooOutsourcingProviderServiceLevelName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.27 |
| **Description** | Defines the service level agreement for the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Insurance Company Name

| | |
|---|---|
| **Name** | cooInsuranceCompanyName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.28 |
| **Description** | Defines the name of the company that insures this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Box Asset Tag Name

| | |
|---|---|
| **Name** | cooBoxAssetTagName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.29 |
| **Description** | Defines the name of the asset tag. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Box System Name

| | |
|---|---|
| **Name** | cooBoxSystemName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.30 |
| **Description** | Defines the name of the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Box Central Processing Unit (CPU) Serial Number Name

| | |
|---|---|
| **Name** | cooBoxCPUSerialNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.31 |
| **Description** | Defines the name of the CPU serial number for the system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Operating System Upgrade Type Name

| | |
|---|---|
| **Name** | cooOperatingSystemUpgradeTypeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.32 |
| **Description** | Defines the name of the operating system on this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Operating System Upgrade Patch Level Name

| | |
|---|---|
| **Name** | cooOperatingSystemUpgradePatchLevelName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.33 |
| **Description** | Defines the name of the operating system patch level for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Operating System Upgrade Date

| | |
|---|---|
| **Name** | cooOperatingSystemUpgradeDate |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.34 |
| **Description** | Defines the upgrade file date for this operating system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Depreciation Duration

| | |
|---|---|
| **Name** | cooDepreciationDuration |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.35 |
| **Description** | Defines the length of depreciation for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Depreciation Duration Type

| | |
|---|---|
| **Name** | cooDepreciationDurationType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.36 |
| **Description** | Defines the unit of time for the depreciation of this system. |
| **Syntax** | DellCooMonthYearDurationType |
| **Access** | Read-write |

### COO Depreciation Percentage

| | |
|---|---|
| **Name** | cooDepreciationPercentage |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.37 |
| **Description** | Defines the percentage of depreciation for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Depreciation Method Name

| | |
|---|---|
| **Name** | cooDepreciationMethodName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.38 |
| **Description** | Defines the name of the depreciation method for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Registration Is Registered

| | |
|---|---|
| **Name** | cooRegistrationIsRegistered |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.10.1.39 |
| **Description** | Specifies whether this system is registered or not. |
| **Syntax** | DellBoolean |
| **Access** | Read-write |

### COO Service Contract Table

The service contract table provides MIB objects that help you track the name, vendor, and type of service contract you have for your system.

| | |
|---|---|
| **Name** | `cooServiceContractTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20 |
| **Description** | Defines the COO Service Contract Table. |
| **Syntax** | SEQUENCE OF CooServiceContractTableEntry |
| **Access** | Not accessible |

#### COO Service Contract Table Entry

| | |
|---|---|
| **Name** | `cooServiceContractTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1 |
| **Description** | Defines the COO Service Contract Table entry. |
| **Syntax** | CooServiceContractTableEntry |
| **Access** | Not accessible |
| **Index** | cooServiceContractchassisIndex, cooServiceContractIndex |

#### COO Service Contract Chassis Index

| | |
|---|---|
| **Name** | `cooServiceContractchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### COO Service Contract Index

| | |
|---|---|
| **Name** | `cooServiceContractIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.2 |
| **Description** | Defines the index (one-based) of this service contract. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Service Contract State

| | |
|---|---|
| **Name** | cooServiceContractState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.3 |
| **Description** | Defines the status of the service contract for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Service Contract Was Renewed

| | |
|---|---|
| **Name** | cooServiceContractWasRenewed |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.4 |
| **Description** | Specifies whether the service contract for this system was renewed. |
| **Syntax** | DellBoolean |
| **Access** | Read-write |

### COO Service Contract Type Name

| | |
|---|---|
| **Name** | cooServiceContractTypeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.5 |
| **Description** | Defines the name of the service contract type for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Service Contract Vendor Name

| | |
|---|---|
| **Name** | cooServiceContractVendorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.20.1.6 |
| **Description** | Defines the name of the service contract provider for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Cost Event Log Table

The COO Cost Event Log Table provides MIB objects that allow you to track the duration and type of events that are logged for a particular system.

| | |
|---|---|
| **Name** | `cooCostEventLogTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30 |
| **Description** | Defines the COO Cost Event Log Table. |
| **Syntax** | SEQUENCE OF COO CostEventLogTableEntry |
| **Access** | Not accessible |

#### COO Cost Event Log Table Entry

| | |
|---|---|
| **Name** | `cooCostEventLogTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1 |
| **Description** | Defines the COO Cost Event Log Table entry. |
| **Syntax** | cooCostEventLogTableEntry |
| **Access** | Not accessible |
| **Index** | cooCostEventLogchassisIndex, cooCostEventLogIndex |

#### COO Cost Event Log Chassis Index

| | |
|---|---|
| **Name** | `cooCostEventLogchassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### COO Cost Event Log Index

| | |
|---|---|
| **Name** | `cooCostEventLogIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.2 |
| **Description** | Defines the index (one-based) of the cost event log. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Cost Event Log State

| | |
|---|---|
| **Name** | cooCostEventLogState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.3 |
| **Description** | Defines the cost event log state of this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Cost Event Log Duration

| | |
|---|---|
| **Name** | cooCostEventLogDuration |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.4 |
| **Description** | Defines the duration of the event for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Cost Event Log Duration Type

| | |
|---|---|
| **Name** | cooCostEventLogDurationType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.5 |
| **Description** | Defines the duration type of the event for this system. |
| **Syntax** | DellCOOHourDayDurationType (See Table 18-2.) |
| **Access** | Read-write |

### COO Cost Event Log Description Name

| | |
|---|---|
| **Name** | cooCostEventLogDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.30.1.6 |
| **Description** | Defines the name of the event description. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

## COO Warranty Table

The COO Warranty Table objects enable you to track facts about the type and duration of the warranty for a particular system.

| | |
|---|---|
| **Name** | cooWarrantyTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40 |
| **Description** | Defines the COO Warranty Table. |
| **Syntax** | SEQUENCE OF CooWarrantyTableEntry |
| **Access** | Not accessible |

### COO Warranty Table Entry

| | |
|---|---|
| **Name** | cooWarrantyTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1 |
| **Description** | Defines the COO Warranty Table entry. |
| **Syntax** | CooWarrantyTableEntry |
| **Access** | Not accessible |
| **Index** | cooWarrantychassisIndex, cooWarrantyIndex |

### COO Warranty Chassis Index

| | |
|---|---|
| **Name** | cooWarrantychassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-write |

### COO Warranty Index

| | |
|---|---|
| **Name** | cooWarrantyIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.2 |
| **Description** | Defines the index of the warranty for this system. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Warranty State

| | |
|---|---|
| **Name** | cooWarrantyState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.3 |
| **Description** | Defines the state of the warranty for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Warranty Duration

| | |
|---|---|
| **Name** | cooWarrantyDuration |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.4 |
| **Description** | Defines the duration of the warranty. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Warranty Duration Type

| | |
|---|---|
| **Name** | cooWarrantyDurationType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.5 |
| **Description** | Defines the warranty duration type for the system. |
| **Syntax** | DellCOODayMonthDurationType |
| **Access** | Read-write |

### COO Warranty End Date Name

| | |
|---|---|
| **Name** | cooWarrantyEndDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.6 |
| **Description** | Defines the warranty end date for this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

#### COO Warranty Cost

| | |
|---|---|
| **Name** | cooWarrantyCost |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.40.1.7 |
| **Description** | Defines the cost of the warranty for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Lease Information Table

The COO lease information MIB objects enable you to track information about your lessor, lease duration, and lease type for each system.

| | |
|---|---|
| **Name** | cooLeaseInformationTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50 |
| **Description** | Defines the COO Lease Information Table. |
| **Syntax** | SEQUENCE OF CooLeaseInformationTableEntry |
| **Access** | Not accessible |

#### COO Lease Information Table Entry

| | |
|---|---|
| **Name** | cooLeaseInformationTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1 |
| **Description** | Defines the COO Lease Information Table entry. |
| **Syntax** | CooLeaseInformationTableEntry |
| **Access** | Not accessible |
| **Index** | cooLeaseInformationchassisIndex, cooLeaseInformationIndex |

#### COO Lease Information Chassis Index

| | |
|---|---|
| **Name** | cooLeaseInformationchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Lease Information Index

| | |
|---|---|
| **Name** | cooLeaseInformationIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.2 |
| **Description** | Defines the index of the lease information for this system. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Lease Information State

| | |
|---|---|
| **Name** | cooLeaseInformationState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.3 |
| **Description** | Defines the lease information state for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### COO Lease Information Multiple Schedules

| | |
|---|---|
| **Name** | cooLeaseInformationMultipleSchedules |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.4 |
| **Description** | Defines whether there are multiple schedules for this lease. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### COO Lease Information Buyout Amount

| | |
|---|---|
| **Name** | cooLeaseInformationBuyOutAmount |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.5 |
| **Description** | Defines the balance purchase price for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Lease Information Lease Rate Factor

| | |
|---|---|
| **Name** | cooLeaseInformationLeaseRateFactor |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.6 |
| **Description** | Defines the rate factor for the lease on this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Lease Information End Date Name

| | |
|---|---|
| **Name** | cooLeaseInformationEndDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.7 |
| **Description** | Defines the end date for the lease on this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Lease Information Fair Market Value

| | |
|---|---|
| **Name** | cooLeaseInformationFairMarketValue |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.8 |
| **Description** | Defines the fair market value of this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Lease Information Lessor Name

| | |
|---|---|
| **Name** | cooLeaseInformationLessorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.50.1.9 |
| **Description** | Defines the name of the lessor of this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

## COO Schedule Number Table

| | |
|---|---|
| **Name** | cooScheduleNumberTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60 |
| **Description** | Defines the COO Schedule Number Information Table. |
| **Syntax** | SEQUENCE OF CooScheduleNumberTableEntry |
| **Access** | Not accessible |

### COO Schedule Number Table Entry

| | |
|---|---|
| **Name** | cooScheduleNumberTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1 |
| **Description** | Defines the COO Schedule Number Information Table entry. |
| **Syntax** | CooScheduleNumberTableEntry |
| **Access** | Not accessible |
| **Index** | cooScheduleNumberchassisIndex, cooScheduleNumberIndex |

### COO Schedule Number Chassis Index

| | |
|---|---|
| **Name** | cooScheduleNumberchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Schedule Number Index

| | |
|---|---|
| **Name** | cooScheduleNumberIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1.2 |
| **Description** | Defines the index of the schedule number information. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Schedule Number State

| | |
|---|---|
| **Name** | cooScheduleNumberState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1.3 |
| **Description** | Defines the schedule number information state of this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Schedule Number Lease Information Index Reference

| | |
|---|---|
| **Name** | cooScheduleNumberLeaseInformationIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1.4 |
| **Description** | Defines the lease information index number to reference the schedule number. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Schedule Number Description Name

| | |
|---|---|
| **Name** | cooScheduleNumberDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.60.1.5 |
| **Description** | Describes the schedule number information. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

## COO Options Table

| | |
|---|---|
| **Name** | cooOptionsTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70 |
| **Description** | Defines the COO Options Table. |
| **Syntax** | SEQUENCE OF CooOptionsTableEntry |
| **Access** | Not accessible |

### COO Options Table Entry

| | |
|---|---|
| **Name** | cooOptionsTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1 |
| **Description** | Defines the COO Options Table entry. |
| **Syntax** | CooOptionsTableEntry |
| **Access** | Not accessible |
| **Index** | cooOptionschassisIndex |

### COO Options Chassis Index

| | |
|---|---|
| **Name** | cooOptionschassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Options Index

| | |
|---|---|
| **Name** | cooOptionsIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1.2 |
| **Description** | Defines the index (one-based) of the option information for this system. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Options State

| | |
|---|---|
| **Name** | cooOptionsState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1.3 |
| **Description** | Defines the option information state for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Options Lease Information Index Reference

| | |
|---|---|
| **Name** | cooOptionsLeaseInformationIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1.4 |
| **Description** | Defines the lease information index of the option information for this system. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Options Description Name

| | |
|---|---|
| **Name** | cooOptionsDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.70.1.5 |
| **Description** | Defines the option information description name. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

## COO Maintenance Table

| | |
|---|---|
| **Name** | cooMaintenanceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80 |
| **Description** | Defines the COO Maintenance Table. |
| **Syntax** | SEQUENCE OF CooMaintenanceTableEntry |
| **Access** | Not accessible |

### COO Maintenance Table Entry

| | |
|---|---|
| **Name** | cooMaintenanceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1 |
| **Description** | Defines the COO Maintenance Table entry. |
| **Syntax** | CooMaintenanceTableEntry |
| **Access** | Not accessible |
| **Index** | CooMaintenancechassisIndex, CooMaintenanceIndex |

### COO Maintenance Chassis Index

| | |
|---|---|
| **Name** | cooMaintenancechassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Maintenance Index

| | |
|---|---|
| **Name** | cooMaintenanceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.2 |
| **Description** | Defines the index of this system's maintenance information. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Maintenance State

| | |
|---|---|
| **Name** | cooMaintenanceState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.3 |
| **Description** | Defines the state of this system's maintenance information. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Maintenance Start Date Name

| | |
|---|---|
| **Name** | cooMaintenanceStartDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.4 |
| **Description** | Defines the start date for maintenance on this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Maintenance End Date Name

| | |
|---|---|
| **Name** | cooMaintenanceEndDateName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.5 |
| **Description** | Defines the end date for maintenance on this system. |
| **Syntax** | DellDateName |
| **Access** | Read-write |

### COO Maintenance Provider Name

| | |
|---|---|
| **Name** | cooMaintenanceProviderName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.6 |
| **Description** | Defines the maintenance provider's name. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### COO Maintenance Restrictions Name

| | |
|---|---|
| **Name** | cooMaintenanceRestrictionsName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.80.1.7 |
| **Description** | Defines the maintenance agreement restrictions. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

## COO Repair Table

| | |
|---|---|
| **Name** | cooRepairTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90 |
| **Description** | Defines the COO Repair Table. |
| **Syntax** | SEQUENCE OF CooRepairTableEntry |
| **Access** | Not accessible |

### COO Repair Table Entry

| | |
|---|---|
| **Name** | cooRepairTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1 |
| **Description** | Defines the COO Repair Table entry. |
| **Syntax** | CooRepairTableEntry |
| **Access** | Not accessible |
| **Index** | cooRepairchassisIndex, cooRepairIndex |

### COO Repair Chassis Index

| | |
|---|---|
| **Name** | cooRepairchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Repair Index

| | |
|---|---|
| **Name** | cooRepairIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1.2 |
| **Description** | Defines the index (one-based) of the repair information for this system. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Repair State

| | |
|---|---|
| **Name** | cooRepairState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1.3 |
| **Description** | Defines the state of the repair information for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Repair Counter

| | |
|---|---|
| **Name** | cooRepairCounter |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1.4 |
| **Description** | Defines the number of repairs that this system has undergone. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Repair Vendor Name

| | |
|---|---|
| **Name** | cooRepairVendorName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.90.1.5 |
| **Description** | Defines the name of the vendor that repairs this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

## COO Support Information Table

| | |
|---|---|
| **Name** | cooSupportInformationTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100 |
| **Description** | Defines the COO Support Information Table. |
| **Syntax** | SEQUENCE OF cooSupportInformationTableEntry |
| **Access** | Not accessible |

### COO Support Information Table Entry

| | |
|---|---|
| **Name** | cooSupportInformationTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1 |
| **Description** | Defines the COO Support Information Table entry. |
| **Syntax** | cooSupportInformationTableEntry |
| **Access** | Not accessible |
| **Index** | cooSupportInformationchassisIndex cooSupportInformationIndex |

### COO Support Information Chassis Index

| | |
|---|---|
| **Name** | cooSupportInformationchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Support Information Index

| | |
|---|---|
| **Name** | cooSupportInformationIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.2 |
| **Description** | Defines the index (one-based) for this system's support information. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Support Information State

| | |
|---|---|
| **Name** | cooSupportInformationState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.3 |
| **Description** | Defines the support information state for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Support Information Is Outsourced

| | |
|---|---|
| **Name** | cooSupportInformationIsOutsourced |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.4 |
| **Description** | Specifies whether the support for this system is outsourced or not. |
| **Syntax** | DellBoolean |
| **Access** | Read-write |

### COO Support Information Type

| | |
|---|---|
| **Name** | cooSupportInformationType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.5 |
| **Description** | Defines the type of component, system, or network problem that occurred. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Support Information Help Desk Name

| | |
|---|---|
| **Name** | cooSupportInformationHelpDeskName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.6 |
| **Description** | Defines the help desk information provided. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Support Information Fix Type Name

| | |
|---|---|
| **Name** | cooSupportInformationFixTypeName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.100.1.7 |
| **Description** | Defines the method used to fix the problem. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

### COO Trouble Ticket Table

The MIB objects in the Trouble Ticket Table enable you to track details of any trouble tickets that you open for your system.

| | |
|---|---|
| **Name** | cooTroubleTicketTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110 |
| **Description** | Defines the COO Trouble Ticket Table. |
| **Syntax** | SEQUENCE OF cooTroubleTicketTableEntry |
| **Access** | Not accessible |

#### COO Trouble Ticket Table Entry

| | |
|---|---|
| **Name** | cooTroubleTicketTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1 |
| **Description** | Defines the COO Trouble Ticket Table entry. |
| **Syntax** | cooTroubleTicketTableEntry |
| **Access** | Not accessible |
| **Index** | cooTroubleTicketchassisIndex, cooTroubleTicketIndex |

#### COO Trouble Ticket Chassis Index

| | |
|---|---|
| **Name** | cooTroubleTicketchassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

#### COO Trouble Ticket Index

| | |
|---|---|
| **Name** | cooTroubleTicketIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1.2 |
| **Description** | Defines the index (one-based) of the system's trouble ticket information. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### COO Trouble Ticket State

| | |
|---|---|
| **Name** | cooTroubleTicketState |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1.3 |
| **Description** | Defines the trouble ticket information state for this system. |
| **Syntax** | DellStateSettings |
| **Access** | Read-only |

### COO Trouble Ticket Support Information Index Reference

| | |
|---|---|
| **Name** | cooTroubleTicketSupportInformationIndexReference |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1.4 |
| **Description** | Defines the support information index that references the trouble ticket. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### COO Trouble Ticket Number Name

| | |
|---|---|
| **Name** | cooTroubleTicketNumberName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1600.110.1.5 |
| **Description** | Defines the trouble ticket number for this system. |
| **Syntax** | DellCostofOwnershipString |
| **Access** | Read-write |

# Cost of Ownership Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 18-1. COO Ownership Codes**

| **Variable Name:** `DellCooOwnershipCodes` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The ownership code is not one of following: |
| `unknown(2)` | The ownership code is unknown. |
| `owned(3)` | The ownership code is owned. |
| `leased(4)` | The ownership code is leased. |
| `rented(5)` | The ownership code is rented. |
| `offOfLease(6)` | The ownership code is off of lease. |
| `transfer(7)` | The ownership code is transfer. |

**Table 18-2. COO Hour Day Duration Type**

| **Variable Name:** `DellCooHourDayDurationType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Duration time type is unknown. |
| `hours(2)` | Duration time type is in hours. |
| `days(3)` | Duration time type is in days. |

**Table 18-3. COO Day Month Duration Type**

| **Variable Name:** `DellCooDayMonthDurationType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Duration time type is unknown. |
| `days(3)` | Duration time type is in days. |
| `months(4)` | Duration time type is in months. |

**Table 18-4. COO Month Year Duration Type**

| **Variable Name:** `DellCooMonthYearDurationType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | Duration time type is unknown. |
| `months(4)` | Duration time type is in months. |
| `years(5)` | Duration time type is in years. |

19

# Remote Access Group

The Remote Access Group provides information about the remote access hardware that may be present in your system. In addition to providing general information about the capabilities and settings of the remote access hardware, this group provides information about administrative users, SNMP trap destinations, modem configuration for dial-up networking, dial-in configuration, and dial-out destinations.

## DRAC 4 and DRAC 5

On systems with Dell™ Remote Access Controller (DRAC) 4 or DRAC 5, the Remote Access Group includes only the Remote Access Table.

### Remote Access Table

The following MIB object sets up the Remote Access Table.

| | |
|---|---|
| **Name** | `remoteAccessTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10 |
| **Description** | Defines the Remote Access Table. |
| **Syntax** | SEQUENCE OF RemoteAccessTableEntry |
| **Access** | Not accessible |

#### Remote Access Table Entry

| | |
|---|---|
| **Name** | `remoteAccessTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1 |
| **Description** | Defines the Remote Access Table entry. |
| **Syntax** | RemoteAccessTableEntry |
| **Access** | Not accessible |
| **Index** | remoteAccessChassisIndex, remoteAccessAdapterIndex |

### Remote Access Chassis Index

| | |
|---|---|
| **Name** | `remoteAccessChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Access Adapter Index

| | |
|---|---|
| **Name** | `remoteAccessAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Access Type

| | |
|---|---|
| **Name** | `remoteAccessType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.3 |
| **Description** | Defines the type of remote access hardware. |
| **Syntax** | DellRemoteAccessType (See Table 19-1.) |
| **Access** | Read-only |

### Remote Access State Capabilities

| | |
|---|---|
| **Name** | `remoteAccessStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.4 |
| **Description** | Defines the state capabilities of the remote access hardware. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Remote Access State Settings

| | |
|---|---|
| **Name** | `remoteAccessStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.5 |
| **Description** | Defines the state setting of the remote access hardware. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Remote Access Status

| | |
|---|---|
| **Name** | `remoteAccessStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.6 |
| **Description** | Defines the status of the remote access hardware. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote Access Product Info Name

| | |
|---|---|
| **Name** | `remoteAccessProductInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.7 |
| **Description** | Defines the name of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Description Info Name

| | |
|---|---|
| **Name** | `remoteAccessDescriptionInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.8 |
| **Description** | Defines the description of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..255)) |
| **Access** | Read-only |

### Remote Access Version Info Name

| | |
|---|---|
| **Name** | `remoteAccessVersionInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.9 |
| **Description** | Defines the version of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Local Area Network (LAN) Capabilities

| | |
|---|---|
| **Name** | `remoteAccessLANCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.14 |
| **Description** | Defines the LAN capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessLANCapabilities (See Table 19-6.) |
| **Access** | Read-only |

### Remote Access LAN Settings

| | |
|---|---|
| **Name** | `remoteAccessLANSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.15 |
| **Description** | Defines the LAN settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessLANSettings (See Table 19-7.) |
| **Access** | Read-write |

### Remote Access Network Interface Controller (NIC) Static IP Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.25 |
| **Description** | Defines the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access NIC Static Netmask Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticNetmaskAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.26 |
| **Description** | Defines the netmask for the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access NIC Static Gateway Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticGatewayAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.27 |
| **Description** | Defines the IP address for the gateway associated with the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access Personal Computer Memory Card International Association (PCMCIA) Info Name

| | |
|---|---|
| **Name** | `remoteAccessPCMCIAInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.28 |
| **Description** | Defines the information for the PCMCIA device used by the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Miscellaneous Information Name

| | |
|---|---|
| **Name** | `remoteAccessMiscInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.29 |
| **Description** | Defines the miscellaneous information for the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-write |

### Remote Access NIC Current IP Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.30 |
| **Description** | Defines the IP address currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Remote Access NIC Current Netmask Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentNetmaskAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.31 |
| **Description** | Defines the netmask currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Remote Access NIC Current Gateway Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentGatewayAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.32 |
| **Description** | Defines the IP address for the gateway currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Remote Access NIC Current Information From Dynamic Host Configuration Protocol (DHCP)

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentInfoFromDHCP` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.33 |
| **Description** | Defines whether DHCP was used to obtain the NIC information currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

#### Remote Access Remote Connect URL

| | |
|---|---|
| **Name** | remoteAccessRemoteConnectURL |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.34 |
| **Description** | Defines the URL for launching the Remote Access Remote Connect Interface. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Mandatory |

# DRAC III

On systems with DRAC III, the Remote Access Group includes the following MIB tables:

- Remote Access Table
- Remote User Administration Table
- Remote SNMP Trap Table
- Remote Dial-Up Table
- Remote User Dial-In Configuration Table
- Remote Dial-Out Table

## Remote Access Table

The following MIB object sets up the Remote Access Table.

| | |
|---|---|
| **Name** | remoteAccessTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10 |
| **Description** | Defines the Remote Access Table. |
| **Syntax** | SEQUENCE OF RemoteAccessTableEntry |
| **Access** | Not accessible |

#### Remote Access Table Entry

| | |
|---|---|
| **Name** | remoteAccessTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1 |
| **Description** | Defines the Remote Access Table entry. |
| **Syntax** | RemoteAccessTableEntry |
| **Access** | Not accessible |
| **Index** | remoteAccessChassisIndex, remoteAccessAdapterIndex |

### Remote Access Chassis Index

| | |
|---|---|
| **Name** | `remoteAccessChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Access Adapter Index

| | |
|---|---|
| **Name** | `remoteAccessAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Access Type

| | |
|---|---|
| **Name** | `remoteAccessType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.3 |
| **Description** | Defines the type of remote access hardware. |
| **Syntax** | DellRemoteAccessType (See Table 19-1.) |
| **Access** | Read-only |

### Remote Access State Capabilities

| | |
|---|---|
| **Name** | `remoteAccessStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.4 |
| **Description** | Defines the state capabilities of the remote access hardware. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Remote Access State Settings

| | |
|---|---|
| **Name** | `remoteAccessStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.5 |
| **Description** | Defines the state setting of the remote access hardware. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Remote Access Status

| | |
|---|---|
| **Name** | `remoteAccessStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.6 |
| **Description** | Defines the status of the remote access hardware. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote Access Product Info Name

| | |
|---|---|
| **Name** | `remoteAccessProductInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.7 |
| **Description** | Defines the name of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Description Info Name

| | |
|---|---|
| **Name** | `remoteAccessDescriptionInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.8 |
| **Description** | Defines the description of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..255)) |
| **Access** | Read-only |

### Remote Access Version Info Name

| | |
|---|---|
| **Name** | `remoteAccessVersionInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.9 |
| **Description** | Defines the version of the product providing the remote access functionality. |
| **Syntax** | DellDisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Control Capabilities

| | |
|---|---|
| **Name** | `remoteAccessControlCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.10 |
| **Description** | Defines the control capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessControlCapabilities (See Table 19-2.) |
| **Access** | Read-only |

### Remote Access Control Settings

| | |
|---|---|
| **Name** | `remoteAccessControlSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.11 |
| **Description** | Defines the control settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessControlSettings (See Table 19-3.) |
| **Access** | Read-write |

### Remote Access Monitor Capabilities

| | |
|---|---|
| **Name** | `remoteAccessMonitorCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.12 |
| **Description** | Defines the monitor capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessMonitorCapabilities (See Table 19-4.) |
| **Access** | Read-only |

### Remote Access Monitor Settings

| | |
|---|---|
| **Name** | `remoteAccessMonitorSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.13 |
| **Description** | Defines the monitor settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessMonitorSettings (See Table 19-5) |
| **Access** | Read-write |

### Remote Access Local Area Network (LAN) Capabilities

| | |
|---|---|
| **Name** | `remoteAccessLANCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.14 |
| **Description** | Defines the LAN capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessLANCapabilities (See Table 19-6.) |
| **Access** | Read-only |

### Remote Access LAN Settings

| | |
|---|---|
| **Name** | `remoteAccessLANSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.15 |
| **Description** | Defines the LAN settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessLANSettings (See Table 19-7.) |
| **Access** | Read-write |

### Remote Access Host Capabilities

| | |
|---|---|
| **Name** | `remoteAccessHostCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.16 |
| **Description** | Defines the host capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessHostCapabilities (See Table 19-8.) |
| **Access** | Read-only |

### Remote Access Host Settings

| | |
|---|---|
| **Name** | `remoteAccessHostSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.17 |
| **Description** | Defines the host settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessHostSettings (See Table 19-9.) |
| **Access** | Read-write |

### Remote Access Out-of-Band Simple Network Management Protocol (SNMP) Capabilities

| | |
|---|---|
| **Name** | `remoteAccessOutOfBandSNMPCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.18 |
| **Description** | Defines the out-of-band SNMP capabilities of the remote access hardware. |
| **Syntax** | DellRemoteAccessOutOfBandSNMPCapabilities (See Table 19-10.) |
| **Access** | Read-only |

### Remote Access Out-of-Band SNMP Settings

| | |
|---|---|
| **Name** | `remoteAccessOutOfBandSNMPSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.19 |
| **Description** | Defines the out-of-band SNMP settings of the remote access hardware. |
| **Syntax** | DellRemoteAccessOutOfBandSNMPSettings (See Table 19-11.) |
| **Access** | Read-write |

### Remote Access Simple Mail Transfer Protocol (SMTP) Server Internet Protocol (IP) Address

| | |
|---|---|
| **Name** | `remoteAccessSMTPServerIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.20 |
| **Description** | Defines the IP address for the SMTP server used by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access Floppy Trivial File Transfer Protocol (TFTP) IP Address

| | |
|---|---|
| **Name** | `remoteAccessFloppyTFTPIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.21 |
| **Description** | Defines the IP address of the TFTP server providing the operating system image used by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access Floppy TFTP Path Name

| | |
|---|---|
| **Name** | `remoteAccessFloppyTFTPPathName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.22 |
| **Description** | Defines the file name of the operating system image obtained from the TFTP server used by the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-write |

### Remote Access Firmware Update IP Address

| | |
|---|---|
| **Name** | `remoteAccessFirmwareUpdateIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.23 |
| **Description** | Defines the IP address of the update server providing the firmware image used by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access Firmware Update Path Name

| | |
|---|---|
| **Name** | `remoteAccessFirmwareUpdatePathName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.24 |
| **Description** | Defines the file name of the firmware image obtained from the update server used by the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-write |

### Remote Access Network Interface Controller (NIC) Static IP Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.25 |
| **Description** | Defines the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access NIC Static Netmask Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticNetmaskAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.26 |
| **Description** | Defines the netmask for the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access NIC Static Gateway Address

| | |
|---|---|
| **Name** | `remoteAccessNICStaticGatewayAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.27 |
| **Description** | Defines the IP address for the gateway associated with the static IP address to be used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Access Personal Computer Memory Card International Association (PCMCIA) Info Name

| | |
|---|---|
| **Name** | `remoteAccessPCMCIAInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.28 |
| **Description** | Defines the information for the PCMCIA device used by the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-only |

### Remote Access Miscellaneous Information Name

| | |
|---|---|
| **Name** | `remoteAccessMiscInfoName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.29 |
| **Description** | Defines the miscellaneous information for the remote access hardware. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-write |

### Remote Access NIC Current IP Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.30 |
| **Description** | Defines the IP address currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Remote Access NIC Current Netmask Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentNetmaskAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.31 |
| **Description** | Defines the netmask currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### Remote Access NIC Current Gateway Address

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentGatewayAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.32 |
| **Description** | Defines the IP address for the gateway currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

#### Remote Access NIC Current Information From Dynamic Host Configuration Protocol (DHCP)

| | |
|---|---|
| **Name** | `remoteAccessNICCurrentInfoFromDHCP` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.10.1.33 |
| **Description** | Defines whether DHCP was used to obtain the NIC information currently being used by the integrated NIC provided by the remote access hardware. |
| **Syntax** | DellBoolean |
| **Access** | Read-only |

### Remote User Administration Table

| | |
|---|---|
| **Name** | `remoteUserAdminTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20 |
| **Description** | Defines the Remote Access User Administration Table. |
| **Syntax** | SEQUENCE OF RemoteUserAdminTableEntry |
| **Access** | Not accessible |

#### Remote User Admin Table Entry

| | |
|---|---|
| **Name** | `remoteUserAdminTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1 |
| **Description** | Defines the Remote Access User Administration Table entry. |
| **Syntax** | RemoteUserAdminTableEntry |
| **Access** | Not accessible |
| **Index** | remoteUserAdminChassisIndex, remoteUserAdminAdapterIndex, remoteUserAdminUserIndex |

#### Remote User Admin Chassis Index

| | |
|---|---|
| **Name** | `remoteUserAdminChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Admin Adapter Index

| | |
|---|---|
| **Name** | `remoteUserAdminAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware used by this remote access user. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Admin User Index

| | |
|---|---|
| **Name** | `remoteUserAdminUserIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.3 |
| **Description** | Defines the index (one-based) of this remote access user. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Admin State Capabilities

| | |
|---|---|
| **Name** | `remoteUserAdminStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.4 |
| **Description** | Defines the state capabilities for this remote access user. |
| **Syntax** | DellRemoteUserAdminStateCapabilities (See Table 19-12.) |
| **Access** | Read-only |

### Remote User Admin State Settings

| | |
|---|---|
| **Name** | `remoteUserAdminStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.5 |
| **Description** | Defines the state settings for this remote access user. |
| **Syntax** | DellRemoteUserAdminStateSettings (See Table 19-13.) |
| **Access** | Read-write |

### Remote User Admin Status

| | |
|---|---|
| **Name** | `remoteUserAdminStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.6 |
| **Description** | Defines the status for this remote access user. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote User Admin User Name

| | |
|---|---|
| **Name** | `remoteUserAdminUserName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.7 |
| **Description** | Defines the user name for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..19)) |
| **Access** | Read-write |

### Remote User Admin User Password Name

| | |
|---|---|
| **Name** | `remoteUserAdminUserPasswordName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.8 |
| **Description** | Defines the password for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-write |

### Remote User Admin User Privilege

| | |
|---|---|
| **Name** | `remoteUserAdminUserPrivilege` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.9 |
| **Description** | Defines the privileges for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin User Privilege Capabilities

| | |
|---|---|
| **Name** | `remoteUserAdminUserPrivilegeCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.10 |
| **Description** | Defines the privilege capabilities for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-only |

### Remote User Admin Alert Filter DRS Events Mask

| | |
|---|---|
| **Name** | `remoteUserAdminAlertFilterDrsEventsMask` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.11 |
| **Description** | Defines the DRS events filter mask for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Admin Alert Filter System Events Mask

| | |
|---|---|
| **Name** | `remoteUserAdminAlertFilterSysEventsMask` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.12 |
| **Description** | Defines the system events filter mask for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Admin Alert Filter DRS Capabilities

| | |
|---|---|
| **Name** | `remoteUserAdminAlertFilterDrsCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.13 |
| **Description** | Defines the DRS events filter capabilities for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Remote User Admin Alert Filter System Capabilities

| | |
|---|---|
| **Name** | `remoteUserAdminAlertFilterSysCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.14 |
| **Description** | Defines the system events filter capabilities for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Remote User Admin Pager Numeric Number Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerNumericNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.15 |
| **Description** | Defines the numeric pager number for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..95)) |
| **Access** | Read-write |

### Remote User Admin Pager Numeric Message Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerNumericMessageName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.16 |
| **Description** | Defines the message to send to the numeric pager for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Pager Numeric Hang-up Delay

| | |
|---|---|
| **Name** | `remoteUserAdminPagerNumericHangupDelay` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.17 |
| **Description** | Defines the numeric pager hang-up delay for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Phone Number Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaPhoneNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.18 |
| **Description** | Defines the alphanumeric pager phone number for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..95)) |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Protocol

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaProtocol` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.19 |
| **Description** | Defines the protocol used by the alphanumeric pager provider for this remote access user. |
| **Syntax** | DellRemoteUserAdminAlphaProtocolType (See Table 19-16.) |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Baud Rate

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaBaudRate` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.20 |
| **Description** | Defines the baud rate used by the alphanumeric pager provider for this remote access user. |
| **Syntax** | DellRemoteUserAdminAlphaBaudType (See Table 19-17.) |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Custom Message Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaCustomMessageName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.21 |
| **Description** | Defines the message to be sent to the alphanumeric pager to inform the user of a call by this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Modem Connect Time-out

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaModemConnectTimeout` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.22 |
| **Description** | Defines the modem connection time-out for the alphanumeric pager for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Pager ID Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaPagerIdName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.23 |
| **Description** | Defines the ID to be sent to the alphanumeric pager to inform the user of a call by this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Pager Alpha Password Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerAlphaPasswordName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.24 |
| **Description** | Defines the password for the alphanumeric pager for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Pager Modem Init String Name

| | |
|---|---|
| **Name** | `remoteUserAdminPagerModemInitStringName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.25 |
| **Description** | Defines the initialization string to be sent to the pager modem for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Pager Modem Port

| | |
|---|---|
| **Name** | `remoteUserAdminPagerModemPort` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.26 |
| **Description** | Defines the port for the pager modem for this remote access user. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Admin E-Mail Address Name

| | |
|---|---|
| **Name** | `remoteUserAdminEmailAddressName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.27 |
| **Description** | Defines the e-mail address for this remote access user. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-write |

### Remote User Admin E-Mail Custom Message Name

| | |
|---|---|
| **Name** | `remoteUserAdminEmailCustomMessageName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.28 |
| **Description** | Defines the e-mail message to send to this remote access user. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote User Admin Control Capabilities

| | |
|---|---|
| **Name** | `remoteUserAdminControlCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.29 |
| **Description** | Defines the control capabilities for this remote access user. |
| **Syntax** | DellRemoteUserAdminControlCapabilities (See Table 19-14.) |
| **Access** | Read-only |

### Remote User Admin Control Settings

| | |
|---|---|
| **Name** | `remoteUserAdminControlSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.30 |
| **Description** | Defines the control settings for this remote access user. |
| **Syntax** | DellRemoteUserAdminControlSettings (See Table 19-15.) |
| **Access** | Read-write |

### Remote User Admin User Type

| | |
|---|---|
| **Name** | `remoteUserAdminUserType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.20.1.31 |
| **Description** | Defines the type of user for this remote access user. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-write |

## Remote SNMP Trap Table

| | |
|---|---|
| **Name** | `remoteSNMPTrapTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30 |
| **Description** | Defines the Remote Access SNMP Trap Destination Table. |
| **Syntax** | SEQUENCE OF RemoteSNMPTrapTableEntry |
| **Access** | Not accessible |

### Remote SNMP Trap Table Entry

| | |
|---|---|
| **Name** | `remoteSNMPTrapTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1 |
| **Description** | Defines the Remote Access SNMP Trap Destination Table entry. |
| **Syntax** | RemoteSNMPTrapTableEntry |
| **Access** | Not accessible |
| **Index** | remoteSNMPTrapChassisIndex, remoteSNMPTrapAdapterIndex, remoteSNMPTrapIndex |

### Remote SNMP Trap Chassis Index

| | |
|---|---|
| **Name** | `remoteSNMPTrapChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote SNMP Trap Adapter Index

| | |
|---|---|
| **Name** | `remoteSNMPTrapAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware that uses this SNMP trap destination. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote SNMP Trap Index

| | |
|---|---|
| **Name** | `remoteSNMPTrapIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.3 |
| **Description** | Defines the index (one-based) of this remote access SNMP trap destination. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote SNMP Trap State Capabilities

| | |
|---|---|
| **Name** | `remoteSNMPTrapStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.4 |
| **Description** | Defines the state capabilities of this remote access SNMP trap destination. |
| **Syntax** | DellRemoteSNMPTrapStateCapabilities (See Table 19-18.) |
| **Access** | Read-only |

### Remote SNMP Trap State Settings

| | |
|---|---|
| **Name** | `remoteSNMPTrapStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.5 |
| **Description** | Defines the state settings of this remote access SNMP trap destination. |
| **Syntax** | DellRemoteSNMPTrapStateSettings (See Table 19-19.) |
| **Access** | Read-write |

### Remote SNMP Trap Status

| | |
|---|---|
| **Name** | `remoteSNMPTrapStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.6 |
| **Description** | Defines the status of this remote access SNMP trap destination. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote SNMP Trap Destination IP Address

| | |
|---|---|
| **Name** | `remoteSNMPTrapDestinationIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.7 |
| **Description** | Defines the IP address of this remote access SNMP trap destination. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote SNMP Trap SNMP Community Name

| | |
|---|---|
| **Name** | `remoteSNMPTrapSNMPCommunityName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.8 |
| **Description** | Defines the community for traps sent to this remote access SNMP trap destination. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

### Remote SNMP Trap Filter DRS Events Mask

| | |
|---|---|
| **Name** | `remoteSNMPTrapFilterDrsEventsMask` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.9 |
| **Description** | Defines the DRS events filter mask for this remote access SNMP trap destination. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote SNMP Trap Filter System Events Mask

| | |
|---|---|
| **Name** | `remoteSNMPTrapFilterSysEventsMask` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.10 |
| **Description** | Defines the system events filter mask for this remote access SNMP trap destination. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote SNMP Trap Filter DRS Capabilities

| | |
|---|---|
| **Name** | `remoteSNMPTrapFilterDrsCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.11 |
| **Description** | Defines the DRS events filter capabilities for this remote access SNMP trap destination. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Remote SNMP Trap Filter System Capabilities

| | |
|---|---|
| **Name** | `remoteSNMPTrapFilterSysCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.12 |
| **Description** | Defines the system events filter capabilities of this remote access SNMP trap destination. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-only |

### Remote SNMP Trap Control Capabilities

| | |
|---|---|
| **Name** | `remoteSNMPTrapControlCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.13 |
| **Description** | Defines the control capabilities of this remote access SNMP trap destination. |
| **Syntax** | DellRemoteSNMPTrapControlCapabilities (See Table 19-20.) |
| **Access** | Read-only |

### Remote SNMP Trap Control Settings

| | |
|---|---|
| **Name** | `remoteSNMPTrapControlSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.30.1.14 |
| **Description** | Defines the control settings of this remote access SNMP trap destination. |
| **Syntax** | DellRemoteSNMPTrapControlSettings (See Table 19-21.) |
| **Access** | Read-write |

## Remote Dial-Up Table

| | |
|---|---|
| **Name** | `remoteDialUpTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40 |
| **Description** | Defines the Remote Access Dial-Up Table. |
| **Syntax** | SEQUENCE OF RemoteDialUpTableEntry |
| **Access** | Not accessible |

### Remote Dial-Up Table Entry

| | |
|---|---|
| **Name** | `remoteDialUpTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1 |
| **Description** | Defines the Remote Access Dial-Up Table entry. |
| **Syntax** | RemoteDialUpTableEntry |
| **Access** | Not accessible |
| **Index** | remoteDialUpChassisIndex, remoteDialUpAdapterIndex, remoteDialUpIndex |

### Remote Dial-Up Chassis Index

| | |
|---|---|
| **Name** | `remoteDialUpChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Up Adapter Index

| | |
|---|---|
| **Name** | `remoteDialUpAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware that supports this remote access dial-up functionality. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Up Index

| | |
|---|---|
| **Name** | `remoteDialUpIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.3 |
| **Description** | Defines the index (one-based) of this remote access dial-up functionality. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Up State Capabilities

| | |
|---|---|
| **Name** | `remoteDialUpStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.4 |
| **Description** | Defines the state capabilities of this remote access dial-up functionality. |
| **Syntax** | DellRemoteDialUpStateCapabilities (See Table 19-22.) |
| **Access** | Read-only |

### Remote Dial-Up State Settings

| | |
|---|---|
| **Name** | `remoteDialUpStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.5 |
| **Description** | Defines the state settings of this remote access dial-up functionality. |
| **Syntax** | DellRemoteDialUpStateSettings (See Table 19-23.) |
| **Access** | Read-write |

### Remote Dial-Up Status

| | |
|---|---|
| **Name** | `remoteDialUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.6 |
| **Description** | Defines the status of this remote access dial-up functionality. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote Dial-Up PPP Dial-In Base IP Address

| | |
|---|---|
| **Name** | `remoteDialUpPPPDialInBaseIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.7 |
| **Description** | Defines the base IP address of the PPP server for this remote access dial-up functionality. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Dial-Up PPP Dial-In Idle Time-out

| | |
|---|---|
| **Name** | `remoteDialUpPPPDialInIdleTimeout` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.8 |
| **Description** | Defines the PPP idle time-out value in seconds for this remote access dial-up functionality. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote Dial-Up PPP Dial-In Maximum Connection Time-out

| | |
|---|---|
| **Name** | `remoteDialUpPPPDialInMaxConnectTimeout` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.9 |
| **Description** | Defines the PPP connect time-out value in seconds for this remote access dial-up functionality. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote Dial-Up Dial-Out Modem Connect Time-out

| | |
|---|---|
| **Name** | `remoteDialUpDialOutModemConnectTimeout` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.10 |
| **Description** | Defines the modem dial-out time-out value in seconds for this remote access dial-up functionality. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote Dial-Up Modem Dial Type

| | |
|---|---|
| **Name** | `remoteDialUpModemDialType` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.11 |
| **Description** | Defines the dial type for the modem used by this remote access dial-up functionality. |
| **Syntax** | DellRemoteDialUpModemDialType (SeeTable 19-24.) |
| **Access** | Read-write |

### Remote Dial-Up Modem Init String Name

| | |
|---|---|
| **Name** | `remoteDialUpModemInitStringName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.12 |
| **Description** | Defines the initialization string to be sent to the modem for this remote access dial-up functionality. |
| **Syntax** | DisplayString (SIZE (0..63)) |
| **Access** | Read-write |

#### Remote Dial-Up Modem Baud Rate

| | |
|---|---|
| **Name** | `remoteDialUpModemBaudRate` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.13 |
| **Description** | Defines the baud rate for the modem used by this remote access dial-up functionality. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

#### Remote Dial-Up Modem Port

| | |
|---|---|
| **Name** | `remoteDialUpModemPort` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.40.1.14 |
| **Description** | Defines the port for the modem used by this remote access dial-up functionality. |
| **Syntax** | DellUnsigned32BitRange |
| **Access** | Read-write |

### Remote User Dial-In Configuration Table

| | |
|---|---|
| **Name** | `remoteUserDialInCfgTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50 |
| **Description** | Defines the Remote Access User Dial-In Configuration Table. |
| **Syntax** | SEQUENCE OF RemoteUserDialInCfgTableEntry |
| **Access** | Not accessible |

#### Remote User Dial-In Configuration Table Entry

| | |
|---|---|
| **Name** | `remoteUserDialInCfgTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1 |
| **Description** | Defines the Remote Access User Dial-In Configuration Table entry. |
| **Syntax** | RemoteUserDialInCfgTableEntry |
| **Access** | Not accessible |
| **Index** | remoteUserDialInCfgChassisIndex,<br>remoteUserDialInCfgAdapterIndex,<br>remoteUserDialInCfgUserIndex |

### Remote User Dial-In Configuration Chassis Index

| | |
|---|---|
| **Name** | `remoteUserDialInCfgChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Dial-In Configuration Adapter Index

| | |
|---|---|
| **Name** | `remoteUserDialInCfgAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware that supports this remote access dial-in user. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Dial-In Configuration User Index

| | |
|---|---|
| **Name** | `remoteUserDialInCfgUserIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.3 |
| **Description** | Defines the index (one-based) of this remote access dial-in user. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote User Dial-In Configuration State Capabilities

| | |
|---|---|
| **Name** | `remoteUserDialInCfgStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.4 |
| **Description** | Defines the state capabilities of this remote access dial-in user. |
| **Syntax** | DellRemoteUserDialInStateCapabilities (See Table 19-25.) |
| **Access** | Read-only |

### Remote User Dial-In Configuration State Settings

| | |
|---|---|
| **Name** | `remoteUserDialInCfgStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.5 |
| **Description** | Defines the state settings of this remote access dial-in user. |
| **Syntax** | DellRemoteUserDialInStateSettings (See Table 19-26.) |
| **Access** | Read-write |

### Remote User Dial-In Configuration Status

| | |
|---|---|
| **Name** | `remoteUserDialInCfgStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.6 |
| **Description** | Defines the status of this remote access dial-in user. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote User Dial-In Configuration PPP Username

| | |
|---|---|
| **Name** | `remoteUserDialInCfgPPPUserName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.7 |
| **Description** | Defines the PPP user name of this remote access dial-in user. |
| **Syntax** | DisplayString (SIZE (0..15)) |
| **Access** | Read-write |

### Remote User Dial-In Configuration PPP User Password Name

| | |
|---|---|
| **Name** | `remoteUserDialInCfgPPPUserPasswordName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.8 |
| **Description** | Defines the PPP password of this remote access dial-in user. |
| **Syntax** | DisplayString (SIZE (0..15)) |
| **Access** | Read-write |

#### Remote User Dial-In Configuration Callback Phone Number Name

| | |
|---|---|
| **Name** | `remoteUserDialInCfgCallbackPhoneNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.50.1.9 |
| **Description** | Defines the callback phone number for this remote access dial-in user. |
| **Syntax** | DisplayString (SIZE (0..95)) |
| **Access** | Read-write |

### Remote Dial-Out Table

| | |
|---|---|
| **Name** | `remoteDialOutTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60 |
| **Description** | Defines the Remote Access Dial-Out Table. |
| **Syntax** | SEQUENCE of RemoteDialOutTableEntry |
| **Access** | Not accessible |

#### Remote Dial-Out Table Entry

| | |
|---|---|
| **Name** | `remoteDialOutTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1 |
| **Description** | Defines the Remote Access Dial-Out Table entry. |
| **Syntax** | RemoteDialOutTableEntry |
| **Access** | Not accessible |
| **Index** | remoteDialOutChassisIndex, remoteDialOutAdapterIndex, remoteDialOutDialOutIndex |

#### Remote Dial-Out Chassis Index

| | |
|---|---|
| **Name** | `remoteDialOutChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the remote access hardware. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Out Adapter Index

| | |
|---|---|
| **Name** | `remoteDialOutAdapterIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.2 |
| **Description** | Defines the index (one-based) of the remote access hardware that supports this remote access dial-out functionality. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Out Dial-Out Index

| | |
|---|---|
| **Name** | `remoteDialOutDialOutIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.3 |
| **Description** | Defines the index (one-based) of this remote access dial-out functionality. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Remote Dial-Out State Capabilities

| | |
|---|---|
| **Name** | `remoteDialOutStateCapabilities` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.4 |
| **Description** | Defines the state capabilities of this remote access dial-out functionality. |
| **Syntax** | DellRemoteDialOutStateCapabilities (See Table 19-27.) |
| **Access** | Read-only |

### Remote Dial-Out State Settings

| | |
|---|---|
| **Name** | `remoteDialOutStateSettings` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.5 |
| **Description** | Defines the state settings of this remote access dial-out functionality. |
| **Syntax** | DellRemoteDialOutStateSettings (See Table 19-28.) |
| **Access** | Read-write |

### Remote Dial-Out Status

| | |
|---|---|
| **Name** | `remoteDialOutStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.6 |
| **Description** | Defines the status of this remote access dial-out functionality. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Remote Dial-Out IP Address

| | |
|---|---|
| **Name** | `remoteDialOutIPAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.7 |
| **Description** | Defines the IP address for this remote access dial-out destination. |
| **Syntax** | IpAddress |
| **Access** | Read-write |

### Remote Dial-Out Phone Number Name

| | |
|---|---|
| **Name** | `remoteDialOutPhoneNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.8 |
| **Description** | Defines the phone number for this remote access dial-out destination. |
| **Syntax** | DisplayString (SIZE (0..95)) |
| **Access** | Read-write |

### Remote Dial-Out PPP Username

| | |
|---|---|
| **Name** | `remoteDialOutPPPUserName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.9 |
| **Description** | Defines the PPP username for this remote access dial-out destination. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

#### Remote Dial-Out PPP Password Name

| | |
|---|---|
| **Name** | `remoteDialOutPPPPasswordName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1700.60.1.10 |
| **Description** | Defines the PPP password for this remote access dial-out destination. |
| **Syntax** | DisplayString (SIZE (0..31)) |
| **Access** | Read-write |

## Remote Access Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 19-1. Remote Access Type**

| **Variable Name:** `DellRemoteAccessType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `remoteAccessTypeIsOther(1)` | The remote access type is not one of the following: |
| `remoteAccessTypeIsUnknown(2)` | The remote access type is unknown. |
| `remoteAccessTypeIsDRACIII(3)` | The remote access type is DRAC III. |
| `remoteAccessTypeIsERA(4)` | The remote access type is ERA. |

**Table 19-2. Remote Access Control Capabilities**

| **Variable Name:** `DellRemoteAccessControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no control capabilities. |
| `unknownCapabilities(1)` | The remote access hardware control capabilities are unknown. |
| `logResetCapable(2)` | The remote access hardware can reset its integrated logs. |
| `hardResetCapable(4)` | The remote access hardware can perform a hard reset. |
| `softResetCapable(8)` | The remote access hardware can perform a soft reset. |
| `gracefulResetCapable(16)` | The remote access hardware can gracefully shut down and perform a soft reset. |
| `defaultConfigResetCapable(32)` | The remote access hardware can reset to its default settings. |
| `shutdownCapable(64)` | The remote access hardware can shut down. |

**Table 19-3. Remote Access Control Settings**

| **Variable Name:** `DellRemoteAccessControlSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no control settings. |
| `unknown(1)` | The remote access hardware control settings are unknown. |
| `logReset(2)` | The remote access hardware will reset its integrated logs. |
| `hardReset(4)` | The remote access hardware will perform a hard reset. |
| `softReset(8)` | The remote access hardware will perform a soft reset. |
| `gracefulReset(16)` | The remote access hardware will gracefully shut down and perform a soft reset. |
| `defaultConfigReset(32)` | The remote access hardware will reset to its default settings. |
| `shutdown(64)` | The remote access hardware will shut down. |

**Table 19-4. Remote Access Monitor Capabilities**

| **Variable Name:** `DellRemoteAccessMonitorCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no monitor capabilities. |
| `unknownCapabilities(1)` | The remote access hardware monitor capabilities are unknown. |
| `extPwrSupplyMonitorIfConnectedCapable(2)` | The remote access hardware can be set to monitor the external power supply, if connected. |
| `extPwrSupplyMonitorAlwaysEnabledCapable(4)` | The remote access hardware can be set to always monitor the external power supply. |

**Table 19-5. Remote Access Monitor Settings**

| **Variable Name:** `DellRemoteAccessMonitorSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no monitor settings. |
| `unknown(1)` | The remote access hardware monitor settings are unknown. |
| `extPwrSupplyMonitorIfConnected Enabled(2)` | The remote access hardware will monitor the external power supply, if connected. |
| `extPwrSupplyMonitorAlwaysEnabled Enabled(4)` | The remote access hardware will always monitor the external power supply. |

**Table 19-6. Remote Access Local Area Network (LAN) Capabilities**

| **Variable Name:** `DellRemoteAccessLANCapabilities`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no LAN capabilities. |
| `unknownCapabilities(1)` | The remote access hardware LAN capabilities are unknown. |
| `nicCapable(2)` | The remote access hardware has a network interface controller (NIC). |
| `nicDHCPCapable(4)` | The remote access hardware NIC can use DHCP to obtain an IP address. |

**Table 19-7. Remote Access LAN Settings**

| **Variable Name:** `DellRemoteAccessLANSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no LAN settings. |
| `unknown(1)` | The remote access hardware LAN settings are unknown. |
| `nicEnabled(2)` | The remote access hardware NIC is enabled. |
| `nicDHCPEnabled(4)` | The remote access hardware NIC will use DHCP to obtain an IP address. |

**Table 19-8. Remote Access Host Capabilities**

| **Variable Name:** `DellRemoteAccessHostCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no host capabilities. |
| `unknownCapabilities(1)` | The remote access hardware host capabilities are unknown. |
| `smtpEmailCapable(2)` | The remote access hardware supports sending e-mail using SMTP. |
| `tftpRemoteFloppyCapable(4)` | The remote access hardware supports remote floppy boot using a TFTP server. |
| `tftpRemoteFwUpdateCapable(8)` | The remote access hardware supports remote firmware update using a TFTP server. |

**Table 19-9. Remote Access Host Settings**

| **Variable Name:** `DellRemoteAccessHostSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no host settings. |
| `unknown(1)` | The remote access hardware host settings are unknown. |
| `smtpEmailEnabled(2)` | The remote access hardware SMTP client is enabled for sending e-mail. |
| `tftpRemoteFloppyEnabled(4)` | The remote access hardware TFTP client is enabled for remote floppy boot. |
| `tftpRemoteFwUpdateEnabled(8)` | The remote access hardware TFTP client is enabled for remote firmware update. |

**Table 19-10. Remote Access Out-Of-Band Simple Network Management Protocol (SNMP) Capabilities**

| **Variable Name:** `DellRemoteAccessOutOfBandSNMPCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no out-of-band SNMP capabilities. |
| `unknownCapabilities(1)` | The remote access hardware out-of-band SNMP capabilities are unknown. |
| `oobSNMPAgentCapable(2)` | The remote access hardware has an out-of-band SNMP agent. |
| `oobSNMPTrapsCapable(4)` | The remote access hardware can send out-of-band SNMP traps. |

**Table 19-11. Remote Access Out-Of-Band Simple Network Management Protocol (SNMP) Settings**

| **Variable Name:** `DellRemoteAccessOutOfBandSNMPSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The remote access hardware has no out-of-band SNMP settings. |
| `unknown(1)` | The remote access hardware out-of-band SNMP settings are unknown. |
| `oobSNMPAgentEnabled(2)` | The remote access hardware out-of-band SNMP agent is enabled. |
| `oobSNMPTrapsEnabled(4)` | The remote access hardware will send out-of-band SNMP traps. |

**Table 19-12. Remote User Admin State Capabilities**

| **Variable Name:** `DellRemoteUserAdminStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The admin user has no state capabilities. |
| `unknownCapabilities(1)` | The admin user state capabilities are unknown. |
| `enableCapable(2)` | The admin user can be disabled or enabled. |
| `notReadyCapable(4)` | The admin user can be in the "not ready" state. |
| `numericPagerCapable(8)` | The admin user supports numeric paging. |
| `alphaPagerCapable(16)` | The admin user supports alphanumeric paging. |
| `emailCapable(32)` | The admin user supports e-mail. |
| `privilegeCapable(64)` | The admin user supports user privileges configuration. |

**Table 19-13. Remote User Admin State Settings**

| **Variable Name:** `DellRemoteUserAdminStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The admin user has no state settings. |
| `unknown(1)` | The admin user state settings are unknown. |
| `enabled(2)` | The admin user is enabled. |
| `notReady(4)` | The admin user is in the "not ready" state. |
| `numericPagerEnabled(8)` | Numeric paging is enabled for the admin user. |
| `alphaPagerEnabled(16)` | Alphanumeric paging is enabled for the admin user. |
| `emailEnabled(32)` | E-mail is enabled for the admin user. |

**Table 19-14. Remote User Admin Control Capabilities**

| **Variable Name:** `DellRemoteUserAdminControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The admin user has no control capabilities. |
| `unknownCapabilities(1)` | The admin user control capabilities are unknown. |
| `numericPagerTestCapable(2)` | The admin user can support sending a test numeric page. |
| `alphaPagerTestCapable(4)` | The admin user can support sending a test alphanumeric page. |
| `emailTestCapable(8)` | The admin user can support sending a test e-mail. |

**Table 19-15. Remote User Admin Control Settings**

| **Variable Name:** `DellRemoteUserAdminControlSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The admin user has no control settings. |
| `unknown(1)` | The admin user control settings are unknown. |
| `numericPagerTest(2)` | A numeric pager test will be performed for the admin user. |
| `alphaPagerTest(4)` | An alphanumeric pager test will be performed for the admin user. |
| `emailTest(8)` | An e-mail test will be performed for the admin user. |

**Table 19-16. Remote User Admin Alpha Protocol Type**

| **Variable Name:** `DellRemoteUserAdminAlphaProtocolType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The remote user admin alpha protocol type is not one of the following: |
| `unknown(2)` | The remote user admin alpha protocol type is unknown. |
| `alpha7E0(3)` | The remote user admin alpha protocol type is 7E0. |
| `alpha8N1(4)` | The remote user admin alpha protocol type is 8N1. |

**Table 19-17. Remote User Admin Alpha Baud Type**

| **Variable Name:** `DellRemoteUserAdminAlphaBaudType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The remote user alphanumeric baud rate is not one of the following: |
| `unknown(2)` | The remote user alphanumeric baud rate is unknown. |
| `alphaBaud300(3)` | The remote user alphanumeric baud rate is 300. |
| `alphaBaud1200(4)` | The remote user alphanumeric baud rate is 1200. |

**Table 19-18. Remote SNMP Trap State Capabilities**

| **Variable Name:** `DellRemoteSNMPTrapStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The SNMP trap destination has no state capabilities. |
| `unknownCapabilities(1)` | The SNMP trap destination state capabilities are unknown. |
| `enableCapable(2)` | The SNMP trap destination can be disabled or enabled. |
| `notReadyCapable(4)` | The SNMP trap destination can be in the "not ready" state. |

**Table 19-19. Remote SNMP Trap State Settings**

| **Variable Name:** `DellRemoteSNMPTrapStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The SNMP trap destination has no state settings. |
| `unknown(1)` | The SNMP trap destination state settings are unknown. |
| `enabled(2)` | The SNMP trap destination is enabled. |
| `notReady(4)` | The SNMP trap destination is in the "not ready" state. |

**Table 19-20. Remote SNMP Trap Control Capabilities**

| **Variable Name:** `DellRemoteSNMPTrapControlCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The SNMP trap destination has no control capabilities. |
| `unknownCapabilities(1)` | The SNMP trap destination control capabilities are unknown. |
| `trapTestCapable(2)` | A SNMP trap test can be performed for the SNMP trap destination. |

**Table 19-21. Remote SNMP Trap Control Settings**

| **Variable Name:** `DellRemoteSNMPTrapControlSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The SNMP trap destination has no control settings. |
| `unknown(1)` | The SNMP trap destination control settings are unknown. |
| `trapTestCapable(2)` | A SNMP trap test will be performed for the SNMP trap destination. |

**Table 19-22. Remote Dial-Up State Capabilities**

| **Variable Name:** `DellRemoteDialUpStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-up functionality has no state capabilities. |
| `unknownCapabilities(1)` | The dial-up functionality state capabilities are unknown. |
| `enableCapable(2)` | The dial-up functionality can be disabled or enabled. |
| `notReadyCapable(4)` | The dial-up functionality can be in the "not ready" state. |
| `dialInCapable(8)` | The dial-up functionality can support the dial-in feature. |
| `dialOutCapable(16)` | The dial-up functionality can support the dial-out feature. |
| `dialInDHCPCapable(32)` | The dial-up functionality can support using DHCP to obtain an IP address for the dial-in feature. |
| `dialInAuthAnyCapable(64)` | The dial-up functionality can support any authentication type (including clear text) for the dial-in feature. |
| `dialInAuthEncryptedCapable(128)` | The dial-up functionality can support encrypted passwords (CHAP) authentication for the dial-in feature. |
| `dialInAuthMschapCapable(256)` | The dial-up functionality can support MSCHAP authentication type for the dial-in feature. |

**Table 19-23. Remote Dial-Up State Settings**

| **Variable Name:** `DellRemoteDialUpStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-up functionality has no state settings. |
| `unknown(1)` | The dial-up functionality state settings are unknown. |
| `enabled(2)` | The dial-up functionality is enabled. |
| `notReadyCapable(4)` | The dial-up functionality is in the "not ready" state. |
| `dialInEnabled(8)` | The dial-up functionality dial-in feature is enabled. |
| `dialOutEnabled(16)` | The dial-up functionality dial-out feature is enabled. |

**Table 19-23. Remote Dial-Up State Settings *(continued)***

| **Variable Name:** `DellRemoteDialUpStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `dialInDHCPEnabled(32)` | The dial-up functionality uses DHCP to obtain an IP address for the dial-in feature. |
| `dialInAuthAnyEnabled(64)` | The dial-up functionality accepts any authentication type (including clear text) for the dial-in feature. |
| `dialInAuthEncryptedEnabled(128)` | The dial-up functionality uses only encrypted passwords (CHAP) authentication type for the dial-in feature. |
| `dialInAuthMschapEnabled(256)` | The dial-up functionality uses only MSCHAP authentication type for the dial-in feature. |

**Table 19-24. Remote Dial-Up Modem Dial Type**

| **Variable Name:** `DellRemoteDialUpModemDialType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `remoteDialUpIsOther(1)` | The remote dial type is not one of the following: |
| `remoteDialUpIsUnknown(2)` | The remote dial type is unknown. |
| `remoteDialUpIsTone(3)` | The remote dial type is tone. |
| `remoteDialUpIsPulse(4)` | The remote dial type is pulse. |

**Table 19-25. Remote User Dial-In State Capabilities**

| **Variable Name:** `DellRemoteUserDialInStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-in user has no state capabilities. |
| `unknownCapabilities(1)` | The dial-in user state capabilities are unknown. |
| `enableCapable(2)` | The dial-in user can be disabled or enabled. |
| `notReadyCapable(4)` | The dial-in user can be in the "not ready" state. |
| `dialInCallbackPresetNumberCapable(8)` | The dial-in user can support callback using a preset number. |
| `dialInCallbackUserSpecifiedCapable(16)` | The dial-in user can support callback using a user-specified number. |

**Table 19-26. Remote User Dial-In State Settings**

| **Variable Name:** `DellRemoteUserDialInStateSettings` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-in user has no state settings. |
| `unknown(1)` | The dial-in user state settings are unknown. |
| `enabled(2)` | The dial-in user is enabled. |
| `notReady(4)` | The dial-in user is in the "not ready" state. |
| `dialInCallbackPresetNumberEnabled(8)` | Callback using a preset number is enabled for the dial-in user. |
| `dialInCallbackUserSpecifiedEnabled(16)` | Callback using a user-specified number is enabled for the dial-in user. |

**Table 19-27. Remote Dial-Out State Capabilities**

| **Variable Name:** `DellRemoteDialOutStateCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-out destination has no state capabilities. |
| `unknownCapabilities(1)` | The dial-out destination state capabilities are unknown. |
| `enableCapable(2)` | The dial-out destination can be disabled or enabled. |
| `notReadyCapable(4)` | The dial-out destination can be in the "not ready" state. |
| `dialOutPPPAuthAnyCapable(8)` | The dial-out destination can support any authentication type (including clear text) for PPP. |
| `dialOutPPPAuthEncryptedCapable(16)` | The dial-out destination can support encrypted passwords authentication type for PPP. |
| `dialOutPPPAuthMschapCapable(32)` | The dial-out destination can support MSCHAP authentication type for PPP. |

**Table 19-28. Remote Dial-Out State Settings**

| **Variable Name:** `DellRemoteDialOutStateSettings`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `none(0)` | The dial-out destination has no state settings. |
| `unknown(1)` | The dial-out destination state settings are unknown. |
| `enabled(2)` | The dial-out destination is disabled or enabled. |
| `notReady(4)` | The dial-out destination is in the "not ready" state. |
| `dialOutPPPAuthAnyEnabled(8)` | The dial-out destination accepts any authentication type (including clear text) for PPP. |
| `dialOutPPPAuthEncryptedEnabled(16)` | The dial-out destination uses only encrypted passwords authentication type for PPP. |
| `dialOutPPPAuthMschapEnabled(32)` | The dial-out destination uses only MSCHAP authentication type for PPP. |

# 20

# Cluster Group

Clustering combines multiple systems in such a way that they provide services a single system could not. Clustering enhances higher availability, scalability, and management. Higher availability is achieved by using "failover" clusters, in which resources can automatically move between two or more systems in the event of a failure. Scalability is achieved by balancing the load of an application across several computer systems. Simpler management is achieved by using virtual servers, as opposed to managing each individual computer system.

## Cluster Group

The Cluster Group defines attributes such as the number of systems in the cluster, capabilities of the cluster, type of cluster, and name of the cluster.

### Cluster Table

The following table defines the attributes of the cluster.

| | |
|---|---|
| **Name** | `clusterTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10 |
| **Description** | Defines the Cluster Table. |
| **Syntax** | SEQUENCE OF ClusterTableEntry |
| **Access** | Not accessible |

#### Cluster Table Entry

| | |
|---|---|
| **Name** | `clusterTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1 |
| **Description** | Defines the Cluster Table entry. |
| **Syntax** | ClusterTableEntry |
| **Access** | Not accessible |
| **Index** | clusterChassisIndex, clusterIndex |

### Cluster Chassis Index

| | |
|---|---|
| **Name** | clusterChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.1 |
| **Description** | Defines the index (one-based) of this chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cluster Index

| | |
|---|---|
| **Name** | clusterIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.2 |
| **Description** | Defines the index (one-based) of the cluster. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### Cluster State Capabilities

| | |
|---|---|
| **Name** | clusterStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.3 |
| **Description** | Defines the state capabilities of the cluster. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### Cluster State Settings

| | |
|---|---|
| **Name** | clusterStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.4 |
| **Description** | Defines the state settings of the cluster. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### Cluster Status

| | |
|---|---|
| **Name** | clusterStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.5 |
| **Description** | Defines the status of the cluster. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Cluster Type

| | |
|---|---|
| **Name** | clusterType |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.6 |
| **Description** | Defines the type of the cluster. |
| **Syntax** | DellClusterType |
| **Access** | Read-only |

### Cluster Type Description Name

| | |
|---|---|
| **Name** | clusterTypeDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.7 |
| **Description** | Defines the description name for the type of the cluster. |
| **Syntax** | DellString |
| **Access** | Read-only |

### Cluster Name

| | |
|---|---|
| **Name** | clusterName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1800.10.1.8 |
| **Description** | Defines the name of the cluster. |
| **Syntax** | DellString |
| **Access** | Read-only |

## Cluster Group Variable Values

This section includes definitions for Server Administrator-specific variable values used in this section.

**Table 20-1. Cluster Type**

| **Variable Name:** `DellClusterType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `unknown(1)` | The cluster type is unknown. |
| `highAvailabilityCluster(2)` | The cluster type is a high-availability cluster. |

# 21

# Baseboard Management Controller Group

The Baseboard Management Controller (BMC) monitors the system for critical events by communicating with various sensors on the system board and sends alerts and log events when certain parameters exceed their preset thresholds. The BMC Group provides information about the BMC that may be present in your system. In addition to providing general information about the BMC, this group provides information about the serial and local area network (LAN) interfaces of the BMC.

## Baseboard Management Controller Group Tables

The objects in the BMC group define information about the BMC and the serial and LAN interfaces that can be used to access the BMC remotely to perform management activities. Objects for the serial interface define the serial connection mode, flow control type and bit rate. Objects for the LAN interface define the media access control (MAC) address, internet protocol (IP) address, subnet mask and default gateway.

The following MIB tables define the BMC group:

- Baseboard Management Controller Table
- Baseboard Management Controller Serial Interface Table
- Baseboard Management Controller LAN Interface Table

### Baseboard Management Controller Table

| | |
|---|---|
| **Name** | `bmcTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10 |
| **Description** | Defines the Baseboard Management Controller Table. |
| **Syntax** | SEQUENCE OF BmcTableEntry |
| **Access** | Not accessible |

### BMC Table Entry

| | |
|---|---|
| **Name** | bmcTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1 |
| **Description** | Defines the Baseboard Management Controller (BMC) Table Entry. |
| **Syntax** | BmcTableEntry |
| **Access** | Not accessible |
| **Index** | bmcChassisIndex, bmcIndex |

### BMC Chassis Index

| | |
|---|---|
| **Name** | bmcChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC Index

| | |
|---|---|
| **Name** | bmcIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.2 |
| **Description** | Defines the index (one-based) of the BMC. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC State Capabilities

| | |
|---|---|
| **Name** | bmcStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.3 |
| **Description** | Defines the state capabilities of the BMC. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BMC State Settings

| | |
|---|---|
| **Name** | bmcStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.4 |
| **Description** | Defines the state settings of the BMC. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### BMC Status

| | |
|---|---|
| **Name** | bmcStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.5 |
| **Description** | Defines the status of the BMC. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BMC Display Name

| | |
|---|---|
| **Name** | bmcDisplayName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.6 |
| **Description** | Defines the display name of the BMC. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BMC Description Name

| | |
|---|---|
| **Name** | bmcDescriptionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.7 |
| **Description** | Defines the description of the BMC. |
| **Syntax** | DisplayString (SIZE (0..255)) |
| **Access** | Read-only |

### BMC IPMI Version Name

| | |
|---|---|
| **Name** | bmcIPMIVersionName |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.8 |
| **Description** | Defines the version of the Intelligent Platform Management Interface (IPMI) specification that the BMC supports. |
| **Syntax** | DellString |
| **Access** | Read-only |

### BMC GUID

| | |
|---|---|
| **Name** | bmcGUID |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.10.1.9 |
| **Description** | Defines the Globally Unique ID (GUID) of the BMC. |
| **Syntax** | OCTET STRING (SIZE(16)) |
| **Access** | Read-only |

## Baseboard Management Controller Serial Interface Table

| | |
|---|---|
| **Name** | bmcSerialInterfaceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20 |
| **Description** | Defines the BMC Serial Interface Table. |
| **Syntax** | SEQUENCE OF BmcSerialInterfaceTableEntry |
| **Access** | Not accessible |

### BMC Serial Interface Table Entry

| | |
|---|---|
| **Name** | bmcSerialInterfaceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1 |
| **Description** | Defines the BMC Serial Interface Table Entry. |
| **Syntax** | BmcSerialInterfaceTableEntry |
| **Access** | Not accessible |
| **Index** | bmcSerialInterfaceChassisIndex, bmcSerialInterfaceBMCIndex, bmcSerialInterfaceIndex |

### BMC Serial Interface Chassis Index

| | |
|---|---|
| **Name** | bmcSerialInterfaceChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC Serial Interface BMC Index

| | |
|---|---|
| **Name** | bmcSerialInterfaceBMCIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.2 |
| **Description** | Defines the index (one-based) of the associated BMC. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC Serial Interface Index

| | |
|---|---|
| **Name** | bmcSerialInterfaceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.3 |
| **Description** | Defines the index (one-based) of the BMC serial interface. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC Serial Interface State Capabilities

| | |
|---|---|
| **Name** | bmcSerialInterfaceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.4 |
| **Description** | Defines the state capabilities of the BMC serial interface. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BMC Serial Interface State Settings

| | |
|---|---|
| **Name** | bmcSerialInterfaceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.5 |
| **Description** | Defines the state settings of the BMC serial interface. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### BMC Serial Interface Status

| | |
|---|---|
| **Name** | bmcSerialInterfaceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.6 |
| **Description** | Defines the status of the BMC serial interface. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BMC Serial Interface Channel Number

| | |
|---|---|
| **Name** | bmcSerialInterfaceChannelNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.7 |
| **Description** | Defines the BMC channel number of the BMC serial interface. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### BMC Serial Interface Connection Mode Capabilities

| | |
|---|---|
| **Name** | bmcSerialInterfaceConnectionModeCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.8 |
| **Description** | Defines the connection mode capabilities of the BMC serial interface. |
| **Syntax** | DellBMCSerialConnectionModeCapabilities |
| **Access** | Read-only |

### BMC Serial Interface Connection Mode Settings

| | |
|---|---|
| **Name** | bmcSerialInterfaceConnectionModeSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.9 |
| **Description** | Defines the connection mode settings of the BMC serial interface. |
| **Syntax** | DellBMCSerialConnectionModeSettings |
| **Access** | Read-only |

### BMC Serial Interface Flow Control

| | |
|---|---|
| **Name** | bmcSerialInterfaceFlowControl |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.10 |
| **Description** | Defines the flow control type of the BMC serial interface. |
| **Syntax** | DellBMCSerialFlowControlType |
| **Access** | Read-only |

### BMC Serial Interface Bit Rate

| | |
|---|---|
| **Name** | bmcSerialInterfaceBitRate |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.20.1.11 |
| **Description** | Defines the bit rate of the BMC serial interface. |
| **Syntax** | DellBMCSerialBitRateType |
| **Access** | Read-only |

## Baseboard Management Controller LAN Interface Table

| | |
|---|---|
| **Name** | bmcLANInterfaceTable |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30 |
| **Description** | Defines the Baseboard Management Controller (BMC) LAN Interface Table. |
| **Syntax** | SEQUENCE OF BmcLANInterfaceTableEntry |
| **Access** | Not accessible |

### BMC LAN Interface Table Entry

| | |
|---|---|
| **Name** | bmcLANInterfaceTableEntry |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1 |
| **Description** | Defines the Baseboard Management Controller (BMC) LAN Interface Table Entry. |
| **Syntax** | BmcLANInterfaceTableEntry |
| **Access** | Not accessible |
| **Index** | bmcLANInterfaceChassisIndex, bmcLANInterfaceBMCIndex, bmcLANInterfaceIndex |

### BMC LAN Interface Chassis Index

| | |
|---|---|
| **Name** | bmcLANInterfaceChassisIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.1 |
| **Description** | Defines the index (one-based) of the associated chassis. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC LAN Interface BMC Index

| | |
|---|---|
| **Name** | bmcLANInterfaceBMCIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.2 |
| **Description** | Defines the index (one-based) of the associated BMC. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC LAN Interface Index

| | |
|---|---|
| **Name** | bmcLANInterfaceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.3 |
| **Description** | Defines the index (one-based) of the BMC LAN interface. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### BMC LAN Interface State Capabilities

| | |
|---|---|
| **Name** | bmcLANInterfaceStateCapabilities |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.4 |
| **Description** | Defines the state capabilities of the BMC LAN interface. |
| **Syntax** | DellStateCapabilities |
| **Access** | Read-only |

### BMC LAN Interface State Settings

| | |
|---|---|
| **Name** | bmcLANInterfaceStateSettings |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.5 |
| **Description** | Defines the state settings of the BMC LAN interface. |
| **Syntax** | DellStateSettings |
| **Access** | Read-write |

### BMC LAN Interface Status

| | |
|---|---|
| **Name** | bmcLANInterfaceStatus |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.6 |
| **Description** | Defines the status of the BMC LAN interface. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### BMC LAN Interface Channel Number

| | |
|---|---|
| **Name** | bmcLANInterfaceChannelNumber |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.7 |
| **Description** | Defines the BMC channel number of the BMC LAN interface. |
| **Syntax** | DellUnsigned8BitRange |
| **Access** | Read-only |

### BMC LAN Interface IP Address Source

| | |
|---|---|
| **Name** | bmcLANInterfaceIPAddressSource |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.8 |
| **Description** | Defines the source type of the IP address of the BMC LAN interface. |
| **Syntax** | DellBMCLANIPAddressSourceType |
| **Access** | Read-only |

### BMC LAN Interface IP Address

| | |
|---|---|
| **Name** | bmcLANInterfaceIPAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.9 |
| **Description** | Defines the IP address of the BMC LAN interface. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### BMC LAN Interface Subnet Mask Address

| | |
|---|---|
| **Name** | bmcLANInterfaceSubnetMaskAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.10 |
| **Description** | Defines the subnet mask of the BMC LAN interface. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### BMC LAN Interface Default Gateway Address

| | |
|---|---|
| **Name** | bmcLANInterfaceDefaultGatewayAddress |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.11 |
| **Description** | Defines the IP address of the default gateway for the BMC LAN interface. |
| **Syntax** | IpAddress |
| **Access** | Read-only |

### BMC LAN Interface MAC Address

| | |
|---|---|
| **Name** | `bmcLANInterfaceMACAddress` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.12 |
| **Description** | Defines the MAC address of the BMC LAN interface. |
| **Syntax** | DellMACAddress |
| **Access** | Read-only |

### BMC LAN Interface Alert Community Name

| | |
|---|---|
| **Name** | `bmcLANInterfaceAlertCommunityName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.1900.30.1.13 |
| **Description** | Defines the SNMP community used for BMC LAN alerts (traps) sent on the BMC LAN interface. |
| **Syntax** | DisplayString (SIZE (0..32)) |
| **Access** | Read-only |

# Baseboard Management Controller Group Variable Values

This section includes definitions for server administrator-specific variable values used in this section.

**Table 21-1. BMC Serial Connection Mode Capabilities**

**Variable Name:** `DellBMCSerialConnectionModeCapabilities`

**Data Type:** `Integer`
**These values are bit masks; therefore, combination values are possible.**

| Possible Data Values | Meaning of Data Value |
|---|---|
| `-- none(0)` | No mode capabilities. |
| `modemBasic(1)` | BMC serial interface supports Modem Basic mode. |
| `modemPPP(2)` | BMC serial interface supports Modem Point to Point Protocol (PPP) mode. |
| `modemTerminal(4)` | BMC serial interface supports Modem Terminal mode. |
| `directBasic(8)` | BMC serial interface supports Direct Basic mode. |
| `directPPP(16)` | BMC serial interface supports Direct PPP mode. |
| `directTerminal(32)` | BMC serial interface supports Direct Terminal mode. |

**Table 21-2. BMC Serial Connection Mode Settings**

| **Variable Name:** `DellBMCSerialConnectionModeSettings`<br>**Data Type:** `Integer`<br>**These values are bit masks; therefore, combination values are possible.** | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `-- none(0)` | No modes enabled. |
| `modemBasic(1)` | Modem Basic mode is enabled. |
| `modemPPP(2)` | Modem PPP mode is enabled. |
| `modemTerminal(4)` | Modem Terminal mode is enabled. |
| `directBasic(8)` | Direct Basic mode is enabled. |
| `directPPP(16)` | Direct PPP mode is enabled. |
| `directTerminal(32)` | Direct Terminal mode is enabled. |

**Table 21-3. BMC Serial Flow Control Type**

| **Variable Name:** `DellBMCSerialFlowControlType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `-- none(0)` | No flow control used. |
| `rtscts(1)` | RTS/CTS (hardware) flow control used. |
| `xonXoff(2)` | XON/XOFF flow control used. |

**Table 21-4. BMC Serial Bit Rate Type**

| **Variable Name:** `DellBMCSerialBitRateType`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `bps9600(6)` | Bit rate is 9600 bps (bits per second) |
| `bps19200(7)` | Bit rate is 19200 bps |
| `bps38400(8)` | Bit rate is 38400 bps |
| `bps57600(9)` | Bit rate is 57600 bps |
| `bps115200(10)` | Bit rate is 115200 bps |

**Table 21-5. BMC LAN IP Address Source Type**

| **Variable Name:** `DellBMCLANIPAddressSourceType` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `-- unspecified(0)` | Source is unspecified. |
| `static(1)` | IP address is static. |
| `dhcp(2)` | Dynamic Host Configuration Protocol (DHCP) used to obtain IP address. |
| `biosOrSystemSoftware(3)` | BIOS or system software provided IP Address. |
| `other(4)` | Other protocol used to obtain IP address. |

# 22

# Field Replaceable Unit Group

A field replaceable unit (FRU) is a part that can be removed and replaced without having to send the system to a repair facility. The Field Replaceable Unit Group provides information about the field replaceable units that may be present in your system.

## Field Replaceable Unit Group Tables

The objects in the FRU group define information such as manufacturer, serial number, part number and revision for field replaceable units.The following MIB tables define the FRU group.

### Field Replaceable Unit Table

| | |
|---|---|
| **Name** | `fruTable` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10 |
| **Description** | Defines the Field Replaceable Unit table. |
| **Syntax** | SEQUENCE OF FruTableEntry |
| **Access** | Not accessible |

### FRU Table Entry

| | |
|---|---|
| **Name** | `fruTableEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1 |
| **Description** | Defines the FRU Table Entry. |
| **Syntax** | FruTableEntry |
| **Access** | Not accessible |
| **Index** | fruChassisIndex, fruIndex |

### FRU Chassis Index

| | |
|---|---|
| **Name** | `fruChassisIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.1 |
| **Description** | Defines the index (one-based) of the chassis containing the FRU. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### FRU Index

| | |
|---|---|
| **Name** | `fruIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.2 |
| **Description** | Defines the index (one-based) of the FRU. |
| **Syntax** | DellObjectRange |
| **Access** | Read-only |

### FRU Information Status

| | |
|---|---|
| **Name** | `fruInformationStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.3 |
| **Description** | Defines the status of the FRU table entry. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### FRU Information State

| | |
|---|---|
| **Name** | `fruInformationState` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.4 |
| **Description** | Defines the state of the FRU information. Some information for the FRU may not be available if the state is other than ok(1). |
| **Syntax** | DellFRUInformationState |
| **Access** | Read-only |

### FRU Device Name

| | |
|---|---|
| **Name** | `fruDeviceName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.5 |
| **Description** | Defines the device name of the FRU. |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

### FRU Manufacturer Name

| | |
|---|---|
| **Name** | `fruManufacturerName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.6 |
| **Description** | Defines the manufacturer of the FRU. |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

### FRU Serial Number Name

| | |
|---|---|
| **Name** | `fruSerialNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.7 |
| **Description** | Defines the serial number of the FRU. |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

### FRU Part Number Name

| | |
|---|---|
| **Name** | `fruPartNumberName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.8 |
| **Description** | Defines the part number of the FRU |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

### FRU Revision Name

| | |
|---|---|
| **Name** | `fruRevisionName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.9 |
| **Description** | Defines the revision of the FRU. |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

### FRU Manufacturing Date Name

| | |
|---|---|
| **Name** | `fruManufacturingDateName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.10 |
| **Description** | Defines the manufacturing date of the FRU. |
| **Syntax** | DellDateName |
| **Access** | Read-only |

### FRU Asset Tag Name

| | |
|---|---|
| **Name** | `fruAssetTagName` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.2000.10.1.11 |
| **Description** | Defines the asset tag of the FRU. |
| **Syntax** | DisplayString (SIZE (0..64)) |
| **Access** | Read-only |

# FRU Group Variable Values

This section includes definitions for server administrator-specific variable values.

**Table 22-1. FRU Information State**

| **Variable Name:** `DellFRUInformationState` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `ok(1)` | FRU information is OK. |
| `notSupported(2)` | FRU information is not supported. |
| `notAvailable(3)` | FRU information is not available. |
| `checksumInvalid(4)` | FRU information checksum is invalid. |
| `corrupted(5)` | FRU information is corrupted. |

# 23

# Storage Management Group

The Storage Management Group is composed of the following:

- Storage Management Group—information about the software product and system status.
- Storage Management Information Group—properties about the Simple Network Management Protocol (SNMP) agent.
- Global Data Group—system status.
- Physical Devices Group—physical devices managed by the software.
- Logical Devices Group—logical devices managed by the software.
- Storage Management Event Group—SNMP traps.

## Storage Management Group

The Storage Management Information Base (MIB) Group defines the properties that identify information about the Storage Management software product and the current status of the system it manages.

#### Software Version

| | |
|---|---|
| **Name** | `softwareVersion` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.1 |
| **Description** | Identifies the version number of the storage management component of the systems management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Global Status

| | |
|---|---|
| **Name** | `globalStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.2 |
| **Description** | Identifies global health for the subsystem managed by the Storage Management software. This global status is customized for HP OpenView. Other applications should refer to the agentSystemGlobalStatus entry in the globalData object group. Possible values:<br>1: Critical<br>2: Warning<br>3: Normal<br>4: Unknown |
| **Syntax** | Integer |
| **Access** | Read-only |

### Software Manufacturer

| | |
|---|---|
| **Name** | `softwareManufacturer` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.3 |
| **Description** | Identifies the manufacturer of the Storage Management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Software Product

| | |
|---|---|
| **Name** | `softwareProduct` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.4 |
| **Description** | Identifies product information for the Storage Management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Software Description

| | |
|---|---|
| **Name** | `softwareDescription` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.5 |
| **Description** | Identifies the product description for the Storage Management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

# Storage Management Information Group

The Storage Management Information MIB Group defines the properties that identify the Storage Management software SNMP agent.

### Display Name

| | |
|---|---|
| **Name** | displayName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.100.1 |
| **Description** | Identifies the name of this management software for display purposes. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Description

| | |
|---|---|
| **Name** | description |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.100.2 |
| **Description** | Provides a short description of this management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent Vendor

| | |
|---|---|
| **Name** | agentVendor |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.100.3 |
| **Description** | Identifies the name of the management software manufacturer. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent Version

| | |
|---|---|
| **Name** | agentVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.100.4 |
| **Description** | This entry is obsolete. Refer to softwareVersion. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

# Global Data Group

The Global Data Management Information Base (MIB) Group defines the properties that identify status information about the system that the Storage Management software is managing and about the Storage Management SNMP agent.

### Agent System Global Status

| | |
|---|---|
| **Name** | `agentSystemGlobalStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.1 |
| **Description** | This entry is obsolete. Use the value agentGlobalSystemStatus. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Last Global Status

| | |
|---|---|
| **Name** | `agentLastGlobalStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.2 |
| **Description** | This entry is obsolete. Use the value agentLastGlobalSystemStatus. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Time Stamp

| | |
|---|---|
| **Name** | `agentTimeStamp` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.3 |
| **Description** | Identifies the last time that the agent values have been updated. Universal time in sec since UTC 1/1/70. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Get Timeout

| | |
|---|---|
| **Name** | agentGetTimeout |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.4 |
| **Description** | Indicates the suggested timeout value in milliseconds for how long the SNMP getter should wait while attempting to poll the SNMP agent. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Modifiers

| | |
|---|---|
| **Name** | agentModifiers |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.5 |
| **Description** | Identifies the agent functional modifiers. When set, the modifier is active. Bit definitions:<br>Bit 3: agent in debug mode.<br>All other bits are product specific. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Refresh Rate

| | |
|---|---|
| **Name** | agentRefreshRate |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.6 |
| **Description** | Identifies the rate, given in seconds, at which the cached data for SNMP is refreshed. The default value is 300 seconds, or 5 minutes. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Agent Hostname

| | |
|---|---|
| **Name** | agentHostname |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.7 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent IP Address

| | |
|---|---|
| **Name** | agentIPAddress |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.8 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent Software Status

| | |
|---|---|
| **Name** | agentSoftwareStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.9 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent SNMP Version

| | |
|---|---|
| **Name** | agentSnmpVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.10 |
| **Description** | This entry is obsolete. Refer to 0001 softwareVersion. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent MIB Version

| | |
|---|---|
| **Name** | agentMibVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.11 |
| **Description** | Identifies the version of the Storage Management MIB. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent Management Software URL Name

| | |
|---|---|
| **Name** | agentManagementSoftwareURLName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.12 |
| **Description** | Identifies the Universal Resource Locator (URL) of the systems management software. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Agent Global System Status

| | |
|---|---|
| **Name** | agentGlobalSystemStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.13 |
| **Description** | Global health information for the subsystem managed by the Storage Management software. This global status should be used by applications other than HP OpenView. HP OpenView should refer to the globalStatus in the root level object group. This is a rollup for the entire agent including any monitored devices. The status is intended to give initiative to an SNMP monitor to get further data when this status is abnormal. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Agent Last Global System Status

| | |
|---|---|
| **Name** | agentLastGlobalSystemStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.14 |
| **Description** | The previous global status of the system managed by the Storage Management software. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Agent Smart Thermal Shutdown

| | |
|---|---|
| **Name** | agentSmartThermalShutdown |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.110.15 |
| **Description** | Indicates the status of smart thermal shutdown for PV220S and PV221S enclosures.<br>Possible values:<br>1: Enabled<br>2: Disabled<br>3: Not applicable |
| **Syntax** | Integer |
| **Access** | Read-only |

## Physical Devices Group

The Physical Devices MIB group provides information about the devices managed by the Storage Management software and their relationships to each other. The following MIB tables define objects and relationships (connections) among the objects.

- **Controller Table—**describes available properties for each controller on the managed system.
- **Channel Table—**describes available properties for each channel on the managed system.
- **Enclosure Table—**describes available properties for each enclosure on the managed system.
- **Array Disk Table**—describes available properties for each physical array disk on the managed system.
- **Array Disk Enclosure Connection Table**—describes the connections between Fibre Channel array disks, their enclosure, and their associated controller. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.
- **Array Disk Channel Connection Table—**describes the connections between SCSI array disks, their channel, and their associated controller. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.
- **Fan Table**—describes available properties for each fan on the managed system.
- **Fan Connection Table**—describes the connection between each fan on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the Enclosure Table.
- **Power Supply Table**—describes available properties for each power supply on the managed system.
- **Power Supply Connection Table**—describes the connection between each power supply on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the Enclosure Table.
- **Temperature Probe Table**—describes available properties for each temperature probe on the managed system.
- **Temperature Probe Connection Table**—describes the connection between each temperature probe on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the Enclosure Table.
- **EMM Table**—describes available properties for each Enclosure Management Module (EMM) on the managed system.
- **EMM Connection Table**—describes the connection between each EMM on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the Enclosure Table.
- **Battery Table**—describes available properties for each controller battery on the managed system.
- **Battery Connection Table**—describes the connection between each battery on the managed system and its controller. Each controller "number" in the table corresponds to that controller instance in the Controller Table.

### Controller Table

This table describes available properties for each controller on the managed system.

The following object sets up the Controller Table.

| | |
|---|---|
| **Name** | `controllerTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1 |
| **Description** | Defines the controller table, which is a table of managed Redundant Array of Independent disks (RAID) controllers. The number of entries is related to the number of RAID controllers discovered in the system. |
| **Syntax** | SEQUENCE OF ControllerEntry |
| **Access** | Not accessible |

#### Controller Entry

| | |
|---|---|
| **Name** | `controllerEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1 |
| **Description** | Defines the controller table entry, which is an entry in the table of RAID controllers. A row in this table cannot be created or deleted by SNMP operations on columns of the table. |
| **Syntax** | ControllerEntry |
| **Access** | Not accessible |
| **Index** | controllerNumber |

#### Controller Number

| | |
|---|---|
| **Name** | `controllerNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.1 |
| **Description** | Identifies the instance number of the controller entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Name

| | |
|---|---|
| **Name** | `controllerName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.2 |
| **Description** | Identifies the name of the controller in this subsystem as represented in Storage Management. Includes the controller type and instance. For example: PERC 3/QC 1. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Vendor

| | |
|---|---|
| **Name** | `controllerVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.3 |
| **Description** | Identifies the controller's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Type

| | |
|---|---|
| **Name** | `controllerType` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.4 |
| **Description** | Identifies the type of this controller:<br>1: SCSI<br>2: PV660F<br>3: PV662F<br>4: Integrated/Intelligent Drive Electronics (IDE)<br>5: Serial Advanced Technology Architecture (SATA)<br>6: Serial Attached SCSI (SAS) |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller State

| | |
|---|---|
| **Name** | `controllerState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.5 |
| **Description** | Identifies the status of the controller's subsystem (which includes any devices connected to it). Possible states:<br>0: Unknown<br>1: Ready<br>2: Failed<br>3: Online<br>4: Offline<br>6: Degraded |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Severity

| | |
|---|---|
| **Name** | `controllerSeverity` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.6 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Rebuild Rate in Percent

| | |
|---|---|
| **Name** | `controllerRebuildRateInPercent` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.7 |
| **Description** | Identifies the percent of the compute cycles dedicated to rebuilding failed array disks. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Firmware Version

| | |
|---|---|
| **Name** | `controllerFWVersion` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.8 |
| **Description** | Identifies the controller's current firmware version. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Cache Size in Megabytes

| | |
|---|---|
| **Name** | `controllerCacheSizeInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.9 |
| **Description** | Identifies the controller's current amount of cache memory in megabytes. If this size is 0, it is less than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Cache Size in Bytes

| | |
|---|---|
| **Name** | `controllerCacheSizeInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.10 |
| **Description** | Identifies the controller's current amount of cache memory that is less than a megabyte. This combined with the controllerCacheSizeInMB will be the total amount of memory. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Physical Device Count

| | |
|---|---|
| **Name** | `controllerPhysicalDeviceCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.11 |
| **Description** | Identifies the number of physical devices on the controller channel including both disks and the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Logical Device Count

| | |
|---|---|
| **Name** | `controllerLogicalDeviceCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.12 |
| **Description** | Identifies the number of virtual disks on the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Partner Status

| | |
|---|---|
| **Name** | `controllerPartnerStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.13 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Host Port Count

| | |
|---|---|
| **Name** | `controllerHostPortCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.14 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Memory Size in Megabytes

| | |
|---|---|
| **Name** | `controllerMemorySizeInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.15 |
| **Description** | Identifies the size of memory in megabytes on the controller. If this size is 0, it is less than a megabyte. This attribute is only supported on Adaptec controllers. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Memory Size in Bytes

| | |
|---|---|
| **Name** | `controllerMemorySizeInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.16 |
| **Description** | Identifies the size of memory on the controller that is less than a megabyte. This combined with the controllerMemorySizeInMB will be the total size of the memory. This attribute is only supported on Adaptec controllers. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Drive Channel Count

| | |
|---|---|
| **Name** | `controllerDriveChannelCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.17 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Fault Tolerant

| | |
|---|---|
| **Name** | `controllerFaultTolerant` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.18 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C0 Port 0 World Wide Name

| | |
|---|---|
| **Name** | `controllerC0Port0WWN` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.19 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C0 Port 0 Name

| | |
|---|---|
| **Name** | controllerC0Port0Name |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.20 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C0 Port 0 ID

| | |
|---|---|
| **Name** | controllerC0Port0ID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.21 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C0 Target

| | |
|---|---|
| **Name** | controllerC0Target |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.22 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C0 Channel

| | |
|---|---|
| **Name** | controllerC0Channel |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.23 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C0 Operating System Controller

| | |
|---|---|
| **Name** | controllerC0OSController |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.24 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C0 Battery State

| | |
|---|---|
| **Name** | controllerC0BatteryState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.25 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C1 Port 0 World Wide Name

| | |
|---|---|
| **Name** | controllerC1Port0WWN |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.26 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C1 Port 0 Name

| | |
|---|---|
| **Name** | controllerC1Port0Name |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.27 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C1 Port 0 ID

| | |
|---|---|
| **Name** | controllerC1Port0ID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.28 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C1 Target

| | |
|---|---|
| **Name** | controllerC1Target |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.29 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C1 Channel

| | |
|---|---|
| **Name** | controllerC1Channel |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.30 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller C1 Operating System Controller

| | |
|---|---|
| **Name** | controllerC1OSController |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.31 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Battery State C1

| | |
|---|---|
| **Name** | controllerC1BatteryState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.32 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Node World Wide Name

| | |
|---|---|
| **Name** | controllerNodeWWN |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.33 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C0 Port 1 World Wide Name

| | |
|---|---|
| **Name** | controllerC0Port1WWN |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.34 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller C1 Port 1 World Wide Name

| | |
|---|---|
| **Name** | controllerC1Port1WWN |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.35 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Battery Charge Count

| | |
|---|---|
| **Name** | `controllerBatteryChargeCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.36 |
| **Description** | This entry is obsolete. Fibre channel is not supported in Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Roll-Up Status

| | |
|---|---|
| **Name** | `controllerRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.37 |
| **Description** | Indicates severity of the controller state. This is the combined status of the controller and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Controller Component Status

| | |
|---|---|
| **Name** | `controllerComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.38 |
| **Description** | Indicates the status of the controller itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Controller Nexus ID

| | |
|---|---|
| **Name** | controllerNexusID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.39 |
| **Description** | Durable unique ID for this controller. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Alarm State

| | |
|---|---|
| **Name** | controllerAlarmState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.40 |
| **Description** | Indicates state, or setting for the controller's alarm. Possible values:<br>1: Enabled<br>2: Disabled<br>3: Not Applicable |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Driver Version

| | |
|---|---|
| **Name** | controllerDriverVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.41 |
| **Description** | Indicates currently installed driver version of the controller |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller PCI Slot

| | |
|---|---|
| **Name** | controllerPCISlot |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.42 |
| **Description** | Indicates the PCI slot number or embedded number for controllers on the motherboard |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Cluster Mode

| | |
|---|---|
| **Name** | controllerClusterMode |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.43 |
| **Description** | Identifies if the controller is in cluster mode.<br>Possible values:<br>1: Enabled<br>2: Disabled<br>3: Active (enabled and active)<br>99: Not Applicable |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Minimum Firmware Version

| | |
|---|---|
| **Name** | controllerMinFWVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.44 |
| **Description** | The minimum firmware version for Storage Management to support the controller. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Controller Minimum Driver Version

| | |
|---|---|
| **Name** | controllerMinDriverVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.45 |
| **Description** | The minimum driver version for Storage Management to support the controller. |
| **Syntax** | DisplayString |
| **Access** | Read-write |

### Controller SCSI Initiator ID

| | |
|---|---|
| **Name** | controllerSCSIInitiatorID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.46 |
| **Description** | The SCSI ID of the initiator. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Channel Count

| | |
|---|---|
| **Name** | `controllerChannelCount` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.47 |
| **Description** | The number of channels on the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Reconstruct Rate

| | |
|---|---|
| **Name** | `controllerReconstructRate` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.48 |
| **Description** | The rate for reconstruct on the controller. |
| **Syntax** | Integer |
| **Access** | Read-write |

### Controller Patrol Read Rate

| | |
|---|---|
| **Name** | `controllerPatrolReadRate` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.49 |
| **Description** | The rate for patrol read on the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller BGI Rate

| | |
|---|---|
| **Name** | `controllerBGIRate` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.50 |
| **Description** | The rate for background initialization on the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Check Consistency Rate

| | |
|---|---|
| **Name** | `controllerCheckConsistencyRate` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.51 |
| **Description** | The rate for check consistency on the controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Patrol Read Mode

| | |
|---|---|
| **Name** | `controllerPatrolReadMode` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.52 |
| **Description** | Identifies the patrol read mode.<br>Possible values:<br>1: Automatic (enabled)<br>2: Manual (enabled)<br>3: Disabled |
| **Syntax** | Integer |
| **Access** | Read-only |

### Controller Patrol Read State

| | |
|---|---|
| **Name** | `controllerPatrolReadState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.53 |
| **Description** | The state of the patrol read.<br>Possible values:<br>1: Stopped - not running<br>2: Ready - ready to start<br>4: Active - is running<br>8: Aborted - has aborted |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Controller Patrol Read Iterations

| | |
|---|---|
| **Name** | controllerPatrolReadIterations |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.1.1.54 |
| **Description** | The number of times Patrol Read has been run on this controller. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel Table

This table describes available properties for each channel on the managed system.

The following object sets up the Channel Table.

| | |
|---|---|
| **Name** | channelTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2 |
| **Description** | Defines the channel table. |
| **Syntax** | SEQUENCE OF ChannelEntry |
| **Access** | Not accessible |

#### Channel Entry

| | |
|---|---|
| **Name** | channelEntry |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1 |
| **Description** | Defines the channel table entry. |
| **Syntax** | ChannelEntry |
| **Access** | Not accessible |
| **Index:** | channelNumber |

#### Channel Number

| | |
|---|---|
| **Name** | channelNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.1 |
| **Description** | Identifies the instance number of the channel entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel Name

| | |
|---|---|
| **Name** | channelName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.2 |
| **Description** | Identifies the name of the channel as represented in Storage Management. The name will include the word channel and the instance. For example: Channel 1. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Channel State

| | |
|---|---|
| **Name** | channelState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.3 |
| **Description** | Identifies the current state of this channel. Possible states:<br>0: Unknown<br>1: Ready - The I/O has resumed.<br>2: Failed<br>3: Online<br>4: Offline - The I/O has paused.<br>6: Degraded |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel Severity

| | |
|---|---|
| **Name** | channelSeverity |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.4 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel Termination

| | |
|---|---|
| **Name** | channelTermination |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.5 |
| **Description** | Identifies the type of SCSI termination on this channel. Termination is required for proper operation of this channel. Possible values:<br>1: Wide Termination (16 bit)<br>2: Narrow Termination (8 bit)<br>3: Not Terminated |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel SCSI ID

| | |
|---|---|
| **Name** | channelSCSIID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.6 |
| **Description** | Identifies the SCSI ID of the controller to which the channel belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Channel Roll-Up Status

| | |
|---|---|
| **Name** | channelRollUpStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.7 |
| **Description** | Identifies the severity of the channel state. This is the combined status of the channel and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Channel Component Status

| | |
|---|---|
| **Name** | `channelComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.8 |
| **Description** | The status of the channel itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Channel Nexus ID

| | |
|---|---|
| **Name** | `channelNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.9 |
| **Description** | Durable unique ID for this channel. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Channel Data Rate

| | |
|---|---|
| **Name** | `channelDataRate` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.10 |
| **Description** | Identifies the data rate of this channel. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Channel Bus Type

| | |
|---|---|
| **Name** | channelBusType |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.2.1.11 |
| **Description** | The bus type of the channel. Possible values:<br>1: SCSI<br>2: IDE<br>3: Fibre Channel<br>4: Serial Storage Architecture (SSA)<br>6: Universal Serial Bus (USB)<br>7: SATA<br>8: SAS |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Table

This table describes available properties for each enclosure on the managed system.

The following object sets up the Enclosure Table.

| | |
|---|---|
| **Name** | enclosureTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3 |
| **Description** | Defines the enclosure table. |
| **Syntax** | SEQUENCE OF EnclosureEntry |
| **Access** | Not accessible |

#### Enclosure Entry

| | |
|---|---|
| **Name** | enclosureEntry |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1 |
| **Description** | Defines the enclosure table entry. |
| **Syntax** | EnclosureEntry |
| **Access** | Not accessible |
| **Index** | enclosureNumber |

### Enclosure Number

| | |
|---|---|
| **Name** | `enclosureNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.1 |
| **Description** | Identifies the instance number of the enclosure entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Name

| | |
|---|---|
| **Name** | `enclosureName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.2 |
| **Description** | Identifies the enclosure's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Vendor

| | |
|---|---|
| **Name** | `enclosureVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.3 |
| **Description** | Identifies the enclosure's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure State

| | |
|---|---|
| **Name** | `enclosureState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.4 |
| **Description** | The current condition of the enclosure (which includes any devices connected to it.)<br>Possible values:<br>0: Unknown<br>1: Ready<br>2: Failed<br>3: Online<br>4: Offline<br>6: Degraded |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Severity

| | |
|---|---|
| **Name** | enclosureSeverity |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure ID

| | |
|---|---|
| **Name** | enclosureID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.6 |
| **Description** | Identifies the SCSI address of the processor. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Processor Version

| | |
|---|---|
| **Name** | enclosureProcessorVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.7 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Service Tag

| | |
|---|---|
| **Name** | enclosureServiceTag |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.8 |
| **Description** | The enclosure identification used when consulting customer support. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Asset Tag

| | |
|---|---|
| **Name** | `enclosureAssetTag` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.9 |
| **Description** | Customer definable asset tag for the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Asset Name

| | |
|---|---|
| **Name** | `enclosureAssetName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.10 |
| **Description** | Customer definable asset name of the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Split Bus Part Number

| | |
|---|---|
| **Name** | `enclosureSplitBusPartNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.11 |
| **Description** | Identifies the enclosure's split bus part number. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Product ID

| | |
|---|---|
| **Name** | `enclosureProductID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.12 |
| **Description** | Identifies the enclosure's product identification. This also corresponds to the enclosure type. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Kernel Version

| | |
|---|---|
| **Name** | enclosureKernelVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.13 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure ESM1 Part Number

| | |
|---|---|
| **Name** | enclosureESM1PartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.14 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure ESM2 Part Number

| | |
|---|---|
| **Name** | enclosureESM2PartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.15 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Type

| | |
|---|---|
| **Name** | `enclosureType` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.16 |
| **Description** | Indicates the type of the enclosure. Possible values:<br>1: Internal<br>2: Dell™ PowerVault™ 200S (PV201S)<br>3: Dell PV210S (PV211S)<br>4: Dell PV220S (PV221S)<br>5: Dell PV660F<br>6: Dell PV224F<br>7: Dell PV660F/PV224F<br>8: Dell MD1000 |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Processor2 Version

| | |
|---|---|
| **Name** | `enclosureProcessor2Version` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.17 |
| **Description** | This entry is obsolete for Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Configuration

| | |
|---|---|
| **Name** | `enclosureConfig` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.18 |
| **Description** | Identifies the current configuration of the enclosure's backplane. Possible values:<br>1: Joined<br>2: Split Bus<br>3: Clustered<br>4: Unified |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Channel Number

| | |
|---|---|
| **Name** | `enclosureChannelNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.19 |
| **Description** | Identifies the channel number, or bus, to which the enclosure is connected. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Alarm

| | |
|---|---|
| **Name** | `enclosureAlarm` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.20 |
| **Description** | Identifies the current status of the enclosure's alarm (PV220S and PV221S only.)<br>Possible values:<br>1: Disabled<br>2: Enabled |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Backplane Part Number

| | |
|---|---|
| **Name** | `enclosureBackplanePartNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.21 |
| **Description** | Identifies the part number of the enclosure's backplane. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure SCSI ID

| | |
|---|---|
| **Name** | `enclosureSCSIID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.22 |
| **Description** | Identifies the SCSI ID of the controller to which this enclosure is attached. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Roll-Up Status

| | |
|---|---|
| **Name** | `enclosureRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.23 |
| **Description** | Identifies the severity of the enclosure state. This is the combined status of the enclosure and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Enclosure Component Status

| | |
|---|---|
| **Name** | `enclosureComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.24 |
| **Description** | The status of the enclosure itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Enclosure Nexus ID

| | |
|---|---|
| **Name** | `enclosureNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.25 |
| **Description** | Durable unique ID for this enclosure. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure FirmWare Version

| | |
|---|---|
| **Name** | enclosureFirmwareVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.26 |
| **Description** | The firmware version of the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure SCSI Rate

| | |
|---|---|
| **Name** | enclosureSCSIRate |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.27 |
| **Description** | Actual SCSI rate in the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Part Number

| | |
|---|---|
| **Name** | enclosurePartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.28 |
| **Description** | The part number of the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Serial Number

| | |
|---|---|
| **Name** | enclosureSerialNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.29 |
| **Description** | Serial number of the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure SAS Address

| | |
|---|---|
| **Name** | enclosureSASAddress |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.3.1.30 |
| **Description** | The specified SAS address if this is a SAS enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Table

This table describes available properties for each physical array disk on the managed system. The following object sets up the Array Disk Table.

| | |
|---|---|
| **Name** | `arrayDiskTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4 |
| **Description** | Defines the array disk table. |
| **Syntax** | SEQUENCE OF ArrayDiskEntry |
| **Access** | Not accessible |

#### Array Disk Entry

| | |
|---|---|
| **Name** | `arrayDiskEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1 |
| **Description** | Defines the array disk table entry. |
| **Syntax** | ArrayDiskEntry |
| **Access** | Not accessible |
| **Index** | arrayDiskNumber |

#### Array Disk Number

| | |
|---|---|
| **Name** | `arrayDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.1 |
| **Description** | Identifies the instance number of the array disk entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Array Disk Name

| | |
|---|---|
| **Name** | `arrayDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.2 |
| **Description** | Identifies the name of the array disk as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Vendor

| | |
|---|---|
| **Name** | `arrayDiskVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.3 |
| **Description** | The array disk's manufacturer's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk State

| | |
|---|---|
| **Name** | `arrayDiskState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.4 |
| **Description** | Identifies the current state of the array disk. Possible states:<br>0: Unknown<br>1: Ready - Available for use, but no RAID configuration has been assigned.<br>2: Failed - Not operational.<br>3: Online - Operational. RAID configuration has been assigned.<br>4: Offline - The drive is not available to the RAID controller.<br>6: Degraded - Refers to a fault-tolerant array/virtual disk that has a failed disk.<br>7: Recovering - Refers to state of recovering from bad blocks on disks.<br>11: Removed - Indicates that array disk has been removed.<br>15: Resynching - Indicates one of the following types of disk operations: Transform Type, Reconfiguration, and Check Consistency.<br>24: Rebuild<br>25: No Media - CD-ROM or removable disk has no media.<br>26: Formatting - In the process of formatting.<br>28: Diagnostics - Diagnostics are running.<br>34: Predictive Failure<br>35: Initializing: Applies only to virtual disks on PowerEdge™ RAID Controller (PERC), PERC 2/SC, and PERC 2/DC controllers.<br>39: Foreign<br>40: Clear<br>41: Unsupported<br>53: Incompatible |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Severity

| | |
|---|---|
| **Name** | arrayDiskSeverity |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Product ID

| | |
|---|---|
| **Name** | arrayDiskProductID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.6 |
| **Description** | Identifies the model number of the array disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Serial Number

| | |
|---|---|
| **Name** | arrayDiskSerialNo |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.7 |
| **Description** | Identifies the array disk's unique identification number from the manufacturer. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Revision

| | |
|---|---|
| **Name** | arrayDiskRevision |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.8 |
| **Description** | Identifies the firmware version of the array disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Enclosure ID

| | |
|---|---|
| **Name** | `arrayDiskEnclosureID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.9 |
| **Description** | Identifies the SCSI ID of the enclosure processor to which this array disk belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Channel

| | |
|---|---|
| **Name** | `arrayDiskChannel` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.10 |
| **Description** | Identifies the bus to which this array disk is connected. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Length in Megabytes

| | |
|---|---|
| **Name** | `arrayDiskLengthInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.11 |
| **Description** | Identifies the size in megabytes of the array disk. If this size is 0, it is smaller than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Length in Bytes

| | |
|---|---|
| **Name** | `arrayDiskLengthInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.12 |
| **Description** | Identifies the size of the array disk in bytes that is less than a megabyte. This size plus the arrayDiskLengthInMB is the total size of the array disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Largest Contiguous Free Space in Megabytes

| | |
|---|---|
| **Name** | arrayDiskLargestContiguousFreeSpaceInMB |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.13 |
| **Description** | The size in megabytes of the largest contiguous free space on the array disk. If this size is 0, it is less than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Largest Contiguous Free Space in Bytes

| | |
|---|---|
| **Name** | arrayDiskLargestContiguousFreeSpaceInBytes |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.14 |
| **Description** | The size of the largest contiguous free space on this array disk in bytes that is less than a megabyte.This size plus the arrayDiskLargestContiguousFreeSpaceInMB is the total size of the largest contiguous free space on the array disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Target ID

| | |
|---|---|
| **Name** | arrayDiskTargetID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.15 |
| **Description** | Identifies the SCSI target ID which this array disk is assigned. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk LUN ID

| | |
|---|---|
| **Name** | arrayDiskLunID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.16 |
| **Description** | Identifies the array disk's logical unit number. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Used Space in Megabytes

| | |
|---|---|
| **Name** | `arrayDiskUsedSpaceInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.17 |
| **Description** | Identifies the amount in megabytes of the used space on the array disk. If this size is 0, it is smaller than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Used Space in Bytes

| | |
|---|---|
| **Name** | `arrayDiskUsedSpaceInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.18 |
| **Description** | Identifies the size in bytes of the used space on the array disk that is smaller than a megabyte. This size plus the arrayDiskUsedSpaceInMB is the total amount of used space on the array disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Free Space in Megabytes

| | |
|---|---|
| **Name** | `arrayDiskFreeSpaceInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.19 |
| **Description** | Identifies the amount in megabytes of the free space on the array disk. If this size is 0, it is smaller than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Free Space in Bytes

| | |
|---|---|
| **Name** | `arrayDiskFreeSpaceInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.20 |
| **Description** | Identifies the size in bytes of the free space on the array disk that is smaller than a megabyte. This size plus the arrayDiskFreeSpaceInMB is the total amount of free space on the array disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Bus Type

| | |
|---|---|
| **Name** | `arrayDiskBusType` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.21 |
| **Description** | Identifies the bus type of the array disk. Possible values:<br>1: SCSI<br>2: IDE<br>3: Fibre Channel<br>4: SSA<br>6: USB<br>7: SATA<br>8: SAS |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Spare State

| | |
|---|---|
| **Name** | `arrayDiskSpareState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.22 |
| **Description** | Identifies the status of the array disk as a spare. Possible states:<br>1: Disk is a member of a virtual disk<br>2: Disk is a member of a disk group<br>3: Disk is a global hot spare<br>4: Disk is a dedicated hot spare<br>5: Not a spare<br>99: Not applicable |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Roll-Up Status

| | |
|---|---|
| **Name** | `arrayDiskRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.23 |
| **Description** | Severity of the array disk state. This is the combined status of the array disk and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Array Disk Component Status

| | |
|---|---|
| **Name** | `arrayDiskComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.24 |
| **Description** | The status of the array disk itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Array Disk Device Name

| | |
|---|---|
| **Name** | `arrayDiskDeviceName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.25 |
| **Description** | Identifies the operating system device name for this disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Nexus ID

| | |
|---|---|
| **Name** | arrayDiskNexusID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.26 |
| **Description** | Indicates the durable unique ID for this array disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Part Number

| | |
|---|---|
| **Name** | arrayDiskPartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.27 |
| **Description** | Indicates the part number of the disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk SAS Address

| | |
|---|---|
| **Name** | arrayDiskSASAddress |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.28 |
| **Description** | Indicates the specified SAS address if this is a SAS disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Negotiated Speed

| | |
|---|---|
| **Name** | arrayDiskNegotiatedSpeed |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.29 |
| **Description** | Indicates the speed at which the drive is actually running in MPS (megabytes per second). |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Capable Speed

| | |
|---|---|
| **Name** | `arrayDiskCapableSpeed` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.30 |
| **Description** | Indicates the maximum speed at which the drive is capable of negotiating in MPS (megabytes per second). |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Smart Alert Indication

| | |
|---|---|
| **Name** | `arrayDiskSmartAlertIndication` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.31 |
| **Description** | Indicates whether the disk has received a predictive failure.<br>Possible values:<br>1: No - disk has not received a predictive failure alert<br>2: Yes - disk has received a predictive failure alert |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Manufacture Day

| | |
|---|---|
| **Name** | `arrayDiskManufactureDay` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.32 |
| **Description** | Indicates the day of the week (1=Sunday through 7=Saturday) on which this disk was manufactured. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Manufacture Week

| | |
|---|---|
| **Name** | `arrayDiskManufactureWeek` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.33 |
| **Description** | The week (1 through 53) in which this disk was manufactured. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Manufacture Year

| | |
|---|---|
| **Name** | `arrayDiskManufactureYear` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.4.1.34 |
| **Description** | The four digit year in which this disk was manufactured. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Enclosure Connection Table

This table describes the connections among array disks, their enclosure, and their associated controller. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

**NOTE:** Only array disks that are part of an enclosure will be listed in this table. Backplanes are considered enclosures by Storage Management.

The following object sets up the Array Disk Enclosure Connection Table.

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5 |
| **Description** | Defines the array disk enclosure connection table. |
| **Syntax** | SEQUENCE OF ArrayDiskEnclosureConnectionEntry |
| **Access** | Not accessible |

#### Array Disk Enclosure Connection Entry

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1 |
| **Description** | Defines the array disk enclosure connection table entry. |
| **Syntax** | ArrayDiskEnclosureConnectionEntry |
| **Access** | Not accessible |
| **Index** | arrayDiskEnclosureConnectionNumber |

### Array Disk Enclosure Connection Number

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.1 |
| **Description** | Identifies the instance number of the array disk enclosure connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Enclosure Connection Array Disk Name

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionArrayDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.2 |
| **Description** | Identifies the name of the array disk in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Enclosure Connection Array Disk Number

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionArrayDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.3 |
| **Description** | Identifies the instance number of the array disk in the arrayDiskTable in this connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Enclosure Connection Enclosure Name

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionEnclosureName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.4 |
| **Description** | Identifies the name of the enclosure as represented in Storage Management to which this array disk belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Enclosure Connection Enclosure Number

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionEnclosureNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.5 |
| **Description** | Identifies the instance number in the enclosureTable of the enclosure to which this array disk belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Array Disk Enclosure Connection Controller Name

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionControllerName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.6 |
| **Description** | Identifies the name of the controller as represented in Storage Management to which this array disk is connected. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Enclosure Connection Controller Number

| | |
|---|---|
| **Name** | `arrayDiskEnclosureConnectionControllerNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.5.1.7 |
| **Description** | Identifies the instance number in the controllerTable of the controller to which this array disk is connected. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Channel Connection Table

This table describes the connections between array disks, their channel, and their associated controller. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

**NOTE:** Only array disks that are NOT part of an enclosure will be listed in this table. Backplanes are considered enclosures by Storage Management.

The following object sets up the Array Disk Channel Connection Table.

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6 |
| **Description** | Defines the array disk channel connection table. |
| **Syntax** | SEQUENCE OF ArrayDiskChannelConnectionEntry |
| **Access** | Not accessible |

### Array Disk Channel Connection Entry

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1 |
| **Description** | Defines the array disk channel connection table entry. |
| **Syntax** | ArrayDiskChannelConnectionEntry |
| **Access** | Not accessible |
| **Index** | arrayDiskEnclosureConnectionNumber |

### Array Disk Channel Connection Number

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.1 |
| **Description** | Identifies the instance number of the array disk channel connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Channel Connection Array Disk Name

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionArrayDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.2 |
| **Description** | Identifies the name of the array disk in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Channel Connection Array Disk Number

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionArrayDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.3 |
| **Description** | Identifies the instance number of the array disk in the arrayDiskTable in this connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Channel Connection Channel Name

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionChannelName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.4 |
| **Description** | Identifies the name of the channel as represented in Storage Management to which is array disk is connected. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Channel Connection Channel Number

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionChannelNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.5 |
| **Description** | Identifies the instance number of the channel in the channelTable to which this array disk is connected. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Channel Connection Controller Name

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionControllerName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.6 |
| **Description** | Identifies the name of the controller as represented in Storage Management to which this array disk is connected. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Channel Connection Controller Number

| | |
|---|---|
| **Name** | `arrayDiskChannelConnectionControllerNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.6.1.7 |
| **Description** | Identifies the instance number in the controllerTable of the controller to which this array disk is connected. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Table

This table describes available properties for each fan on the managed system.

The following object sets up the Fan Table.

| | |
|---|---|
| **Name** | `fanTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7 |
| **Description** | Defines the fan table. |
| **Syntax** | SEQUENCE OF FanEntry |
| **Access** | Not accessible |

#### Fan Entry

| | |
|---|---|
| **Name** | `fanEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1 |
| **Description** | Defines the fan table entry. |
| **Syntax** | FanEntry |
| **Access** | Not accessible |
| **Index** | fanNumber |

#### Fan Number

| | |
|---|---|
| **Name** | `fanNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.1 |
| **Description** | Identifies the instance number of the fan entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Name

| | |
|---|---|
| **Name** | Fan Name |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.2 |
| **Description** | Identifies the fan's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Vendor

| | |
|---|---|
| **Name** | fanVendor |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.3 |
| **Description** | Identifies the fan's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan State

| | |
|---|---|
| **Name** | fanState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.4 |
| **Description** | Identifies the current state of the fan. Possible states:<br>0: Unknown<br>1: Ready<br>2: Failed<br>3: Online<br>4: Offline<br>6: Degraded<br>21: Missing |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Severity

| | |
|---|---|
| **Name** | `fanSeverity` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Probe Unit

| | |
|---|---|
| **Name** | `fanProbeUnit` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.6 |
| **Description** | This entry is obsolete for Storage Services. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Probe Minimum Warning

| | |
|---|---|
| **Name** | `fanProbeMinimumWarning` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.7 |
| **Description** | This entry is obsolete. This setting is not supported by fans managed under Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Probe Minimum Critical

| | |
|---|---|
| **Name** | `fanProbeMinimumCritical` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.8 |
| **Description** | This entry is obsolete. This setting is not supported by fans managed under Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Probe Maximum Warning

| | |
|---|---|
| **Name** | `fanProbeMaximumWarning` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.9 |
| **Description** | This entry is obsolete. This setting is not supported by fans managed under Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Probe Maximum Critical

| | |
|---|---|
| **Name** | `fanProbeMaximumCritical` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.10 |
| **Description** | This entry is obsolete. This setting is not supported by fans managed under Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Probe Current Value

| | |
|---|---|
| **Name** | `fanProbeCurrValue` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.11 |
| **Description** | Identifies the current speed of the fan. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan1 Part Number

| | |
|---|---|
| **Name** | `fan1PartNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.12 |
| **Description** | Identifies the part number of the fan in the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan 2 Part Number

| | |
|---|---|
| **Name** | `fan2PartNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.13 |
| **Description** | This entry is obsolete. This setting is not supported by fans managed under Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Roll-Up Status

| | |
|---|---|
| **Name** | `fanRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.14 |
| **Description** | Severity of the fan state. This is the combined status of the fan and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Fan Component Status

| | |
|---|---|
| **Name** | `fanComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.15 |
| **Description** | The status of the fan itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

#### Fan Nexus ID

| | |
|---|---|
| **Name** | `fanNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.16 |
| **Description** | Durable unique ID for this fan. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Fan Revision

| | |
|---|---|
| **Name** | `fanRevision` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.7.1.17 |
| **Description** | Indicates the revision number of the fan in the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Connection Table

This table describes the connection between each fan on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Fan Connection Table.

| | |
|---|---|
| **Name** | `fanConnectionTable` |
| **Object ID** | fanConnectionTable |
| **Description** | Defines the fan connection table. |
| **Syntax** | SEQUENCE OF FanConnectionEntry |
| **Access** | Not accessible |

#### Fan Connection Entry

| | |
|---|---|
| **Name** | `fanConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1 |
| **Description** | Defines the fan connection table entry. |
| **Syntax** | FanConnectionEntry |
| **Access** | Not accessible |
| **Index** | fanConnectionNumber |

### Fan Connection Number

| | |
|---|---|
| **Name** | `fanConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1.1 |
| **Description** | Identifies the instance number of the fan connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Connection Fan Name

| | |
|---|---|
| **Name** | `fanConnectionFanName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1.2 |
| **Description** | Identifies the name of the fan in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Fan Connection Fan Number

| | |
|---|---|
| **Name** | `fanConnectionFanNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1.3 |
| **Description** | Identifies the instance number of the fan in the fanTable in the connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Fan Connection Enclosure Name

| | |
|---|---|
| **Name** | `fanConnectionEnclosureName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1.4 |
| **Description** | Identifies the name of the enclosure as represented in Storage Management to which this fan belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Fan Connection Enclosure Number

| | |
|---|---|
| **Name** | `fanConnectionEnclosureNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.8.1.5 |
| **Description** | Identifies the instance number of the enclosure in the enclosureTable to which this fan belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Power Supply Table

This table describes available properties for each power supply on the managed system.

The following object sets up the Power Supply Table.

| | |
|---|---|
| **Name** | `powerSupplyTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9 |
| **Description** | Defines the power supply table. |
| **Syntax** | SEQUENCE OF PowerSupplyEntry |
| **Access** | Not accessible |

#### Power Supply Entry

| | |
|---|---|
| **Name** | `powerSupplyEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1 |
| **Description** | Defines the power supply table entry. |
| **Syntax** | PowerSupplyEntry |
| **Access** | Not accessible |
| **Index** | powerSupplyNumber |

#### Power Supply Number

| | |
|---|---|
| **Name** | `powerSupplyNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.1 |
| **Description** | Identifies the instance number of the power supply entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Power Supply Name

| | |
|---|---|
| **Name** | powerSupplyName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.2 |
| **Description** | Identifies the power supply's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply Vendor

| | |
|---|---|
| **Name** | powerSupplyVendor |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.3 |
| **Description** | Identifies the power supply's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply State

| | |
|---|---|
| **Name** | powerSupplyState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.4 |
| **Description** | Identifies the current state of the power supply. Possible states:<br>0: Unknown<br>1: Ready<br>2: Failed<br>5: Not Installed<br>6: Degraded<br>11: Removed |
| **Syntax** | Integer |
| **Access** | Read-only |

### Power Supply Severity

| | |
|---|---|
| **Name** | powerSupplySeverity |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Power Supply 1 Part Number

| | |
|---|---|
| **Name** | powerSupply1PartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.6 |
| **Description** | Identifies the part number of the power supply of the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply 2 Part Number

| | |
|---|---|
| **Name** | powerSupply2PartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.7 |
| **Description** | This entry is obsolete. This setting is not supported by power supplies managed under Storage Management |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply Roll-Up Status

| | |
|---|---|
| **Name** | powerSupplyRollUpStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.8 |
| **Description** | Severity of the power supply state. This is the combined status of the power supply and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Power Supply Component Status

| | |
|---|---|
| **Name** | `powerSupplyComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.9 |
| **Description** | Severity of the power supply state. This is the combined status of the power supply and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Power Supply NexusID

| | |
|---|---|
| **Name** | `powerSupplyNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.10 |
| **Description** | Durable unique ID for this power supply. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply Revision

| | |
|---|---|
| **Name** | `powerSupplyRevision` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.9.1.11 |
| **Description** | Indicates the revision number of the power supply in the enclosure. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Power Supply Connection Table

This table describes the connection between each power supply on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Power Supply Connection Table.

| | |
|---|---|
| **Name** | `powerSupplyConnectionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10 |
| **Description** | Defines the power supply connection table. |
| **Syntax** | SEQUENCE OF PowerSupplyConnectionEntry |
| **Access** | Not accessible |

#### Power Supply Connection Entry

| | |
|---|---|
| **Name** | `powerSupplyConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1 |
| **Description** | Defines the power supply connection table entry. |
| **Syntax** | PowerSupplyConnectionEntry |
| **Access** | Not accessible |
| **Index** | powerSupplyConnectionNumber |

#### Power Supply Connection Number

| | |
|---|---|
| **Name** | `powerSupplyConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1.1 |
| **Description** | Identifies the instance number of the power supply connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Power Supply Connection Power Supply Name

| | |
|---|---|
| **Name** | `powerSupplyConnectionPowerSupplyName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1.2 |
| **Description** | Identifies the name of the power supply in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Power Supply Connection Power Supply Number

| | |
|---|---|
| **Name** | powerSupplyConnectionPowerSupplyNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1.3 |
| **Description** | Identifies the instance number of the power supply in the powerSupplyTable in the connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Power Supply Connection Enclosure Name

| | |
|---|---|
| **Name** | powerSupplyConnectionEnclosureName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1.4 |
| **Description** | Identifies the name of the enclosure as represented in Storage Management to which this power supply belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Power Supply Connection Enclosure Number

| | |
|---|---|
| **Name** | powerSupplyConnectionEnclosureNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.10.1.5 |
| **Description** | Identifies the instance number of the enclosure in the enclosureTable to which this power supply belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Table

This table describes available properties for each temperature probe on the managed system.

The following object sets up the Temperature Probe Table.

| | |
|---|---|
| **Name** | temperatureProbeTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11 |
| **Description** | A table of managed temperature probes. The number of entries is related to the number of temperature probes discovered in the system. The maximum number of entries is implementation dependent.<br>**NOTE:** The properties in this table may not be applicable to all entries. |
| **Syntax** | SEQUENCE OF TemperatureProbeEntry |
| **Access** | Not accessible |

### Temperature Probe Entry

| | |
|---|---|
| **Name** | `temperatureProbeEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1 |
| **Description** | An entry in the Temperature Probe Table. A row in this table cannot be created or deleted by SNMP operations on columns of the table. |
| **Syntax** | TemperatureProbeEntry |
| **Access** | Not accessible |
| **Index** | TemperatureProbeNumber |

### Temperature Probe Number

| | |
|---|---|
| **Name** | `temperatureProbeNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.1 |
| **Description** | Identifies the instance number of the temperature probe entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Name

| | |
|---|---|
| **Name** | `temperatureProbeName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.2 |
| **Description** | Identifies the temperature probe's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe Vendor

| | |
|---|---|
| **Name** | `temperatureProbeVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.3 |
| **Description** | Identifies the temperature probe's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe State

| | |
|---|---|
| **Name** | `temperatureProbeState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.4 |
| **Description** | Identifies the current state of the temperature probe. Possible states:<br>0: Unknown<br>1: Ready<br>2: Failed (Minimum Failure Threshold Exceeded, Maximum Failure Threshold Exceeded)<br>4: Offline<br>6: Degraded (Minimum Warning Threshold Exceeded, Maximum Warning Threshold Exceeded)<br>9: Inactive<br>21: Missing |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Severity

| | |
|---|---|
| **Name** | `temperatureProbeSeverity` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Unit

| | |
|---|---|
| **Name** | `temperatureProbeUnit` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.6 |
| **Description** | The units that will be used to display temperatures for the temperature probe. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe Minimum Warning

| | |
|---|---|
| **Name** | `temperatureProbeMinWarning` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.7 |
| **Description** | Identifies the minimum temperature that will force the probe into a warning state. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Minimum Critical

| | |
|---|---|
| **Name** | `temperatureProbeMinCritical` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.8 |
| **Description** | Identifies the minimum temperature that will force the probe into an error state. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Maximum Warning

| | |
|---|---|
| **Name** | `temperatureProbeMaxWarning` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.9 |
| **Description** | Identifies the maximum temperature that will force the probe into a warning state. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Maximum Critical

| | |
|---|---|
| **Name** | `temperatureProbeMaxCritical` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.10 |
| **Description** | Identifies the maximum temperature that will force the probe into an error state. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Current Value

| | |
|---|---|
| **Name** | `temperatureProbeCurValue` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.11 |
| **Description** | Identifies the current temperature of this probe. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Roll-Up Status

| | |
|---|---|
| **Name** | `temperatureProbeRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.12 |
| **Description** | Severity of the temperature probe state. This is the combined status of the temperature probe and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Temperature Probe Component Status

| | |
|---|---|
| **Name** | `temperatureProbeComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.13 |
| **Description** | The status of the temperature probe itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

#### Temperature Probe Nexus ID

| | |
|---|---|
| **Name** | `temperatureProbeNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.11.1.14 |
| **Description** | Durable unique ID for this temperature probe. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe Connection Table

This table describes the connection between each temperature probe on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Temperature Probe Connection Table.

| | |
|---|---|
| **Name** | `temperatureConnectionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12 |
| **Description** | Defines the temperature probe connection table. |
| **Syntax** | SEQUENCE OF TemperatureConnectionEntry |
| **Access** | Not accessible |

#### Temperature Probe Connection Entry

| | |
|---|---|
| **Name** | `temperatureConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1 |
| **Description** | Defines the temperature probe connection table entry. |
| **Syntax** | TemperatureConnectionEntry |
| **Access** | Not accessible |
| **Index** | temperatureConnectionNumber |

#### Temperature Probe Connection Number

| | |
|---|---|
| **Name** | `temperatureConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1.1 |
| **Description** | Identifies the instance number of the temperature probe connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Connection Temperature Probe Name

| | |
|---|---|
| **Name** | `temperatureConnectionTemperatureName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1.2 |
| **Description** | Identifies the name of the temperature probe in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe Connection Temperature Probe Number

| | |
|---|---|
| **Name** | `temperatureConnectionTemperatureNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1.3 |
| **Description** | Identifies the instance number in the temperatureTable of the temperature probe in this connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Temperature Probe Connection Enclosure Name

| | |
|---|---|
| **Name** | `temperatureConnectionEnclosureName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1.4 |
| **Description** | Identifies the name of the enclosure as represented in Storage Management to which this temperature probe belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Temperature Probe Connection Enclosure Number

| | |
|---|---|
| **Name** | `temperatureConnectionEnclosureNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.12.1.5 |
| **Description** | Identifies the instance number of the enclosure in the enclosureTable to which this temperature probe belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Table

This table describes available properties for each enclosure management module on the managed system. The following object sets up the Enclosure Management Module Table.

| | |
|---|---|
| **Name** | `enclosureManagementModuleTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13 |
| **Description** | Defines the enclosure management module table. |
| **Syntax** | SEQUENCE OF EnclosureManagementModuleEntry |
| **Access** | Not accessible |

#### Enclosure Management Module Entry

| | |
|---|---|
| **Name** | `EnclosureManagementModuleEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1 |
| **Description** | Defines the enclosure management module table entry. |
| **Syntax** | EnclosureManagementModuleEntry |
| **Access** | Not accessible |
| **Index** | enclosureManagementModuleNumber |

#### Enclosure Management Module Number

| | |
|---|---|
| **Name** | `enclosureManagementModuleNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.1 |
| **Description** | Identifies the instance number of the enclosure management module entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Enclosure Management Module Name

| | |
|---|---|
| **Name** | `enclosureManagementModuleName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.2 |
| **Description** | Identifies the enclosure management module's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Vendor

| | |
|---|---|
| **Name** | `enclosureManagementModuleVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.3 |
| **Description** | Identifies the enclosure management module's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module State

| | |
|---|---|
| **Name** | `enclosureManagementModuleState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.4 |
| **Description** | Identifies the current state of the enclosure management module. Possible states:<br>0: Unknown<br>1: Ready<br>2: Failed<br>3: Online<br>4: Offline<br>5: Not Installed<br>6: Degraded<br>21: Missing |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Severity

| | |
|---|---|
| **Name** | `enclosureManagementModuleSeverity` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Part Number

| | |
|---|---|
| **Name** | enclosureManagementModulePartNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.6 |
| **Description** | Identifies the part number of the enclosure memory module. |
| **Syntax** | Display String |
| **Access** | Read-only |

### Enclosure Management Module Type

| | |
|---|---|
| **Name** | enclosureManagementModuleType |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.7 |
| **Description** | Identifies the type of the enclosure management module. Possible values:<br>0: Unknown<br>1: EMM<br>2: Termination Card |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Firmware Version

| | |
|---|---|
| **Name** | enclosureManagementModuleFWVersion |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.8 |
| **Description** | Identifies the firmware version of the enclosure memory module. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Maximum Speed

| | |
|---|---|
| **Name** | enclosureManagementModuleMaxSpeed |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.9 |
| **Description** | Identifies the maximum bus speed of the enclosure management module. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Roll-Up Status

| | |
|---|---|
| **Name** | `enclosureManagementModuleRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.10 |
| **Description** | Severity of the enclosure management module state. This is the combined status of the EMM and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Enclosure Management Module Component Status

| | |
|---|---|
| **Name** | `enclosureManagementModuleComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.11 |
| **Description** | The status of the enclosure management module itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Enclosure Management Module Nexus ID

| | |
|---|---|
| **Name** | `enclosureManagementModuleNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.12 |
| **Description** | Durable unique ID for this EMM. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Enclosure Management Module Revision

| | |
|---|---|
| **Name** | enclosureManagementModuleRevision |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.13.1.13 |
| **Description** | Identifies the revision number of the enclosure management module. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Connection Table

This table describes the connection between each enclosure management module on the managed system and its enclosure. Each enclosure "number" in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Enclosure Management Module Connection Table.

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14 |
| **Description** | Defines the enclosure memory module connection table. |
| **Syntax** | SEQUENCE OF EnclosureManagementModuleConnectionEntry |
| **Access** | Not accessible |

#### Enclosure Management Module Connection Entry

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionEntry |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1 |
| **Description** | Defines the enclosure memory module connection table entry. |
| **Syntax** | EnclosureManagementModuleConnectionEntry |
| **Access** | Not accessible |
| **Index** | enclosureManagementModuleConnectionNumber |

#### Enclosure Management Module Connection Number

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1.1 |
| **Description** | Identifies the instance number of the enclosure memory module connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Connection EMM Name

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionEMMName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1.2 |
| **Description** | Identifies the name of the enclosure memory module in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Connection EMM Number

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionEMMNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1.3 |
| **Description** | Identifies the instance number in the enclosureManagementModuleTable of the enclosure memory module in this connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Enclosure Management Module Connection Enclosure Name

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionEnclosureName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1.4 |
| **Description** | Identifies the name of the enclosure as represented in Storage Management to which this enclosure memory module belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Enclosure Management Module Connection Enclosure Number

| | |
|---|---|
| **Name** | enclosureManagementModuleConnectionEnclosureNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.14.1.5 |
| **Description** | Identifies the instance number of the enclosure in the enclosureTable to which this enclosure memory module belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Table

This table describes available properties for each controller battery on the managed system. The following object sets up the Battery Table.

| | |
|---|---|
| **Name** | batteryTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15 |
| **Description** | Defines the battery table. |
| **Syntax** | SEQUENCE OF BatteryEntry |
| **Access** | Not accessible |

#### Battery Entry

| | |
|---|---|
| **Name** | batteryEntry |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1 |
| **Description** | Defines the battery table entry. |
| **Syntax** | BatteryEntry |
| **Access** | Not accessible |
| **Index** | batteryNumber |

#### Battery Number

| | |
|---|---|
| **Name** | batteryNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.1 |
| **Description** | Identifies the instance number of the battery entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Battery Name

| | |
|---|---|
| **Name** | batteryName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.2 |
| **Description** | Identifies the battery's name as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Battery Vendor

| | |
|---|---|
| **Name** | batteryVendor |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.3 |
| **Description** | Identifies the battery's (re)seller's name. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Battery State

| | |
|---|---|
| **Name** | batteryState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.4 |
| **Description** | Identifies the current state of battery. Possible values:<br>0: Unknown<br>1: OK<br>2: Failed<br>6: Degraded<br>7: Reconditioning<br>9: High<br>10: Low<br>12: Charging<br>21: Missing<br>36: Learning |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Roll-Up Status

| | |
|---|---|
| **Name** | batteryRollUpStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.5 |
| **Description** | Severity of the battery state. This is the combined status of the battery and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Battery Component Status

| | |
|---|---|
| **Name** | batteryComponentStatus |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.6 |
| **Description** | The status of the battery itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Battery Charge Count

| | |
|---|---|
| **Name** | batteryChargeCount |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.7 |
| **Description** | The number of charges that have been applied to the battery. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Max Charge Count

| | |
|---|---|
| **Name** | batteryMaxChargeCount |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.8 |
| **Description** | The maximum number of charges that can be applied to the battery. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Nexus ID

| | |
|---|---|
| **Name** | batteryNexusID |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.9 |
| **Description** | Durable unique ID for this EMM. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Battery Predicted Capacity

| | |
|---|---|
| **Name** | batteryPredictedCapacity |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.10 |
| **Description** | Displays the battery's ability to be charged.<br>Possible values:<br>1: Failed - The battery cannot be charged and needs to be replaced.<br>2: Ready - The battery can be charged to full capacity.<br>4: Unknown - The battery is completing a Learn cycle. The charge capacity of the battery cannot be determined until the Learn cycle is complete. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Next Learn Time

| | |
|---|---|
| **Name** | batteryNextLearnTime |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.11 |
| **Description** | Indicates the time (in hours) the next learn cycle must be executed |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Battery Learn State

| | |
|---|---|
| **Name** | batteryLearnState |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.12 |
| **Description** | Specifies the learn state activity of the battery.<br>Possible values:<br>1: Failed<br>2: Active<br>4: Timed out<br>8: Requested<br>16: Idle |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Battery Maximum Learn Delay

| | |
|---|---|
| **Name** | batteryMaxLearnDelay |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.15.1.14 |
| **Description** | The maximum amount of time (in hours) that the battery learn cycle can be delayed. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Connection Table

This table describes the connection between each controller battery on the managed system and its controller. Each controller "number" in the table corresponds to that controller instance in the controller Table.

The following object sets up the Battery Connection Table.

| | |
|---|---|
| **Name** | batteryConnectionTable |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16 |
| **Description** | Defines the battery connection table. |
| **Syntax** | SEQUENCE OF BatteryConnectionEntry |
| **Access** | Not accessible |

### Battery Connection Entry

| | |
|---|---|
| **Name** | batteryConnectionEntry |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1 |
| **Description** | Defines the battery connection table entry. |
| **Syntax** | BatteryConnectionEntry |
| **Access** | BatteryConnectionEntry |
| **Index** | BatteryConnectionNumber |

### Battery Connection Number

| | |
|---|---|
| **Name** | batteryConnectionNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1.1 |
| **Description** | Identifies the instance number of the battery connection entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Battery Connection Battery Name

| | |
|---|---|
| **Name** | batteryConnectionBatteryName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1.2 |
| **Description** | Identifies the name of the battery in this connection as represented in Storage Management. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Battery Connection Battery Number

| | |
|---|---|
| **Name** | batteryConnectionBatteryNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1.3 |
| **Description** | Identifies the instance number in the batteryTable of the battery in this connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Battery Connection Controller Name

| | |
|---|---|
| **Name** | batteryConnectionControllerName |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1.4 |
| **Description** | Identifies the name of the controller as represented in Storage Management to which this battery belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Battery Connection Controller Number

| | |
|---|---|
| **Name** | batteryConnectionControllerNumber |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.130.16.1.5 |
| **Description** | Identifies instance number of the controller in the controllerTable to which this battery belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

## Logical Devices Group

The Logical Devices Management Information Base (MIB) group provides information about the logical devices managed by the Dell Storage Management Software and their relationships to each other.

This group and all of its associated tables and objects are not supported on Microsoft® Windows® Advanced Server Limited Edition 64-bit operating system (Windows.Net-64) on a Dell PowerEdge™ 7150. The following MIB tables define objects and relationships, or connections among the objects, in the Logical Devices Group:

- **Virtual Disk Table**—describes available properties for each virtual disk on the managed system.
- **Array Disk Logical Connection Table**—describes the connections between array disks, the virtual disk to which they belong, and their associated logical disk. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

### Virtual Disk Table

This table describes available properties for each virtual disk on the managed system.

The following object sets up the Virtual Disk Table.

| | |
|---|---|
| **Name** | `virtualDiskTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1 |
| **Description** | Defines the virtual disk table. |
| **Syntax** | SEQUENCE OF VirtualDiskEntry |
| **Access** | Not accessible |

#### Virtual Disk Entry

| | |
|---|---|
| **Name** | `virtualDiskEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1 |
| **Description** | Defines the virtual disk table entry. |
| **Syntax** | VirtualDiskEntry |
| **Access** | Not accessible |
| **Index** | virtualDiskNumber |

#### Virtual Disk Number

| | |
|---|---|
| **Name** | `virtualDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.1 |
| **Description** | Identifies the instance number of the virtual disk entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Virtual Disk Name

| | |
|---|---|
| **Name** | `virtualDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.2 |
| **Description** | Identifies the virtual disk's label generated by Storage Management or entered by the user. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Virtual Device Disk Name

| | |
|---|---|
| **Name** | `virtualDiskDeviceName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.3 |
| **Description** | Identifies the device name used by this virtual disk's member disks. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Virtual Disk State

| | |
|---|---|
| **Name** | `virtualDiskState` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.4 |
| **Description** | Identifies the current state of this virtual disk. Possible states:<br>0: Unknown<br>1: Ready - The disk is accessible and has no known problems.<br>2: Failed - The data on the virtual disk is no longer fault tolerant because one of the underlying disks is not online.<br>3: Online<br>4: Offline - The disk is not accessible. The disk may be corrupted or intermittently unavailable.<br>6: Degraded - The data on the virtual disk is no longer fault tolerant because one of the underlying disks is not online.<br>15: Resynching<br>16: Regenerating<br>24: Rebuilding<br>26: Formatting<br>32: Reconstructing<br>35: Initializing<br>36: Background Initialization<br>52: Permanently Degraded |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Severity

| | |
|---|---|
| **Name** | `virtualDiskSeverity` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.5 |
| **Description** | This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Length in Megabytes

| | |
|---|---|
| **Name** | `virtualDiskLengthInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.6 |
| **Description** | Identifies the size of this virtual disk in megabytes. If this size is 0, it is smaller than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Length in Bytes

| | |
|---|---|
| **Name** | `virtualDiskLengthBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.7 |
| **Description** | Identifies the portion of the virtual disk in bytes that is smaller than a megabyte. This size plus the virtualDiskLengthInMB is the total size of the virtual disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Free Space in Megabytes

| | |
|---|---|
| **Name** | `virtualDiskFreeSpaceInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.8 |
| **Description** | This entry is obsolete. This property is not supported by virtual disks managed under Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Free Space in Bytes

| | |
|---|---|
| **Name** | `virtualDiskFreeSpaceInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.9 |
| **Description** | This entry is obsolete. This property is not supported by virtual disks managed under Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Write Policy

| | |
|---|---|
| **Name** | `virtualDiskWritePolicy` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.10 |
| **Description** | Indicates whether the controller's write cache will be used when writing to a virtual disk. Possible values:<br>1: Enabled - Adaptec Write Cache Enabled Protected<br>2: Disabled - Adaptec Write Cache Disabled<br>3: LSI Write Back<br>4: LSI Write Through<br>5: Enabled Always - (Adaptec only)<br>6: Enabled Always - (SAS only) |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Read Policy

| | |
|---|---|
| **Name** | `virtualDiskReadPolicy` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.11 |
| **Description** | Indicates whether the controller's read cache will be used when reading from a virtual disk. Possible values:<br>1: Enabled - Adaptec Read Cache Enabled<br>2: Disabled - Adaptec Read Cache Disabled<br>3: LSI Read Ahead<br>4: LSI Adaptive Read Ahead<br>5: LSI No Read Ahead |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Cache Policy

| | |
|---|---|
| **Name** | `virtualDiskCachePolicy` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.12 |
| **Description** | Indicates whether the controller's cache is used when reading from or writing to a virtual disk. Possible values:<br>1: Direct I/O (LSI)<br>2: Cached I/O (LSI)<br>99: Not Applicable |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Layout

| | |
|---|---|
| **Name** | `virtualDiskLayout` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.13 |
| **Description** | Indicates the virtual disk's RAID type. Possible values:<br>1: Concatenated<br>2: RAID-0<br>3: RAID-1<br>7: RAID-5<br>10: RAID-10<br>12: RAID-50<br>19: Concatenated RAID 1 |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Current Stripe Size in Megabytes

| | |
|---|---|
| **Name** | `virtualDiskCurStripeSizeInMB` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.14 |
| **Description** | Identifies the stripe size of this virtual disk in megabytes. If this size is 0, it is smaller than a megabyte. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Current Stripe Size in Bytes

| | |
|---|---|
| **Name** | `virtualDiskCurStripeSizeInBytes` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.15 |
| **Description** | Identifies the portion of the stripe size in bytes that is smaller than a megabyte. This size plus the virtualDiskCurStripeSizeInMB is the total stripe size on the virtual disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Channel

| | |
|---|---|
| **Name** | `virtualDiskChannel` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.16 |
| **Description** | This entry is obsolete. This property is not supported by virtual disks managed under Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Target ID

| | |
|---|---|
| **Name** | `virtualDiskTargetID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.17 |
| **Description** | Unique ID for the virtual disk. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk LUN ID

| | |
|---|---|
| **Name** | `virtualDiskLunID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.18 |
| **Description** | This entry is obsolete. This property is not supported by virtual disks managed under Storage Management. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Virtual Disk Roll-Up Status

| | |
|---|---|
| **Name** | `virtualDiskRollUpStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.19 |
| **Description** | Severity of the virtual disk state. This is the combined status of the virtual disk and its components. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Virtual Disk Component Status

| | |
|---|---|
| **Name** | `virtualDiskComponentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.20 |
| **Description** | The status of the virtual disk itself without the propagation of any contained component status. Possible values:<br>1: Other<br>2: Unknown<br>3: OK<br>4: Non-critical<br>5: Critical<br>6: Non-recoverable |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Virtual Disk Nexus ID

| | |
|---|---|
| **Name** | `virtualDiskNexusID` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.21 |
| **Description** | Durable unique ID for this virtual disk. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Virtual Disk Array Disk Type

| | |
|---|---|
| **Name** | `virtualDiskArrayDiskType` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.1.1.22 |
| **Description** | Identifies the type of array (physical) disks used to create the virtual disk.<br>Possible values:<br>1: SAS<br>2: SATA<br>3: SCSI<br>4: IDE<br>99: Unknown |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Logical Connection Table

This table describes the connections between array disks, the virtual disk to which they belong, and their associated logical disk. For each object in the table, its object "number" corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

The following object sets up the Array Disk Logical Connection Table.

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionTable` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3 |
| **Description** | Defines the array disk logical connection table. |
| **Syntax** | SEQUENCE OF arrayDiskLogicalConnectionEntry |
| **Access** | Not accessible |

#### Array Disk Logical Connection Entry

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1 |
| **Description** | Defines the array disk logical connection table entry. |
| **Syntax** | ArrayDiskLogicalConnectionEntry |
| **Access** | Not accessible |
| **Index** | arrayDiskLogicalConnectionNumber |

### Array Disk Logical Connection Number

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.1 |
| **Description** | Identifies the instance number of the disk entry. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Logical Connection Array Disk Name

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionArrayDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.2 |
| **Description** | Identifies the name of the array disk in this logical connection. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Array Disk Logical Connection Array Disk Number

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionArrayDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.3 |
| **Description** | Identifies the instance number of the array disk in this logical connection. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Array Disk Logical Connection Virtual Disk Name

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionVirtualDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.4 |
| **Description** | Identifies the name of the virtual disk to which this array disk belongs. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Logical Connection Virtual Disk Number

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionVirtualDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.5 |
| **Description** | Identifies the instance number of the virtual disk to which this array disk belongs. |
| **Syntax** | Integer |
| **Access** | Read-only |

#### Array Disk Logical Connection Disk Name

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionDiskName` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.6 |
| **Description** | Identifies the name of the disk group to which this array disk belongs. This property is currently not supported. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Array Disk Logical Connection Disk Number

| | |
|---|---|
| **Name** | `arrayDiskLogicalConnectionDiskNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.140.3.1.7 |
| **Description** | Identifies the instance number of the disk group to which this array disk belongs. This property is currently not supported. |
| **Syntax** | Integer |
| **Access** | Read-only |

## Storage Management Event Group

The Storage Management Event Group defines the properties that will be sent with SNMP traps.

#### Message ID Event

| | |
|---|---|
| **Name** | `messageIDEvent` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.1 |
| **Description** | Storage Management event message number. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Description Event

| | |
|---|---|
| **Name** | descriptionEvent |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.2 |
| **Description** | Storage Management event message text describing the alert. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Location Event

| | |
|---|---|
| **Name** | locationEvent |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.3 |
| **Description** | Additional information identifying the location of the object causing the alert. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Object Name Event

| | |
|---|---|
| **Name** | objectNameEvent |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.4 |
| **Description** | Name of the object as represented in Storage Management causing the alert. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Object OID Event

| | |
|---|---|
| **Name** | objectOIDEvent |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.5 |
| **Description** | MIB OID of the object causing the alert. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Object Nexus Event

| | |
|---|---|
| **Name** | `objectNexusEvent` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.6 |
| **Description** | Durable, unique ID of the object causing the alert. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Current Status Event

| | |
|---|---|
| **Name** | `currentStatusEvent` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.7 |
| **Description** | Current status of object causing the alert, if applicable. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

### Previous Status Event

| | |
|---|---|
| **Name** | `previousStatusEvent` |
| **Object ID** | 1.3.6.1.4.1.674.10893.1.20.200.8 |
| **Description** | Previous status of object causing the alert if applicable. |
| **Syntax** | DellStatus |
| **Access** | Read-only |

# 24

# Change Management Group

The Change Management Group lets you monitor information about the Dell™ devices and software that are present on a particular managed computer chassis. This information is collected during an inventory scan.

## Inventory Group

The following objects describe the fields for inventory information.

### Inventory Locale

| | |
|---|---|
| **Name** | `inventoryLocale` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.1 |
| **Description** | Defines the locale of the system. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Inventory Schema Version

| | |
|---|---|
| **Name** | `inventorySchemaVersion` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.2 |
| **Description** | Defines the inventory schema implemented by this system. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Inventory System ID

| | |
|---|---|
| **Name** | `inventorySystemID` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.3 |
| **Description** | Defines the System ID for the system. |
| **Syntax** | SystemID |
| **Access** | Read-only |

# Device Group

The Device Group defines information about the devices discovered on the system during an inventory scan. Identifying information includes the Component ID, the Device ID, and the Vendor ID.

## Device Group Table

The following object sets up the Device Group Table.

| | |
|---|---|
| **Name** | `deviceTable` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5 |
| **Description** | Defines the Device Table. |
| **Syntax** | SEQUENCE OF DeviceEntry |
| **Access** | Not accessible |

### Device Entry

| | |
|---|---|
| **Name** | `deviceEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1 |
| **Description** | Defines a device entry. |
| **Syntax** | DeviceEntry |
| **Access** | Not accessible |

### Device Index

| | |
|---|---|
| **Name** | `deviceIndex` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.1 |
| **Description** | Defines the unique index for this device. |
| **Syntax** | Unsigned16BitRange |
| **Access** | Read-only |

### Device Component ID

| | |
|---|---|
| **Name** | `deviceComponentID` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.2 |
| **Description** | Defines an optional component ID field for the device. |
| **Syntax** | Integer |
| **Access** | Read-only |

### Device Display String

| | |
|---|---|
| **Name** | deviceDisplayString |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.3 |
| **Description** | Provides a displayable string that describes the device. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Device Vendor ID

| | |
|---|---|
| **Name** | deviceVendorID |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.4 |
| **Description** | Defines the ID for the vendor supplying the device. |
| **Syntax** | Octet String |
| **Access** | Read-only |

### Device ID

| | |
|---|---|
| **Name** | deviceDeviceID |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.5 |
| **Description** | Defines the ID for the device. |
| **Syntax** | Octet String |
| **Access** | Read-only |

### Device Sub ID

| | |
|---|---|
| **Name** | deviceSubID |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.6 |
| **Description** | Provides additional device identification. |
| **Syntax** | Octet String |
| **Access** | Read-only |

#### Device Sub Vendor ID

| | |
|---|---|
| **Name** | `deviceSubVendorID` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.5.1.7 |
| **Description** | Provides additional vendor identification. |
| **Syntax** | Octet String |
| **Access** | Read-only |

# Application Group

**NOTE:** Dell updateable components such as Basic input/output system (BIOS) and FirmWare (FW) are considered applications. For example, the following would be returned for system BIOS:

```
Application/DisplayString = BIOS
Application/Version = A10
```

The Application Group defines information about the applications discovered on the system during an inventory scan. Identifying information includes the application type, the application version, and the application description.

## Application Group Table

The following object sets up the Application Group Table.

| | |
|---|---|
| **Name** | `applicationTable` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6 |
| **Description** | Defines a table of application information for the system. |
| **Syntax** | SEQUENCE OF ApplicationEntry |
| **Access** | Not accessible |

#### Application Entry

| | |
|---|---|
| **Name** | `applicationEntry` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1 |
| **Description** | Defines an application entry. |
| **Syntax** | ApplicationEntry |
| **Access** | Read-only |

### Application Index

| | |
|---|---|
| **Name** | applicationIndex |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.1 |
| **Description** | Defines the unique index for this application. |
| **Syntax** | Unsigned16BitRange |
| **Access** | Read-only |

### Application Device Index

| | |
|---|---|
| **Name** | applicationDeviceIndex |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.2 |
| **Description** | Defines a cross-index to the device table for the application. |
| **Syntax** | Unsigned16BitRange |
| **Access** | Read-only |

### Application Component Type

| | |
|---|---|
| **Name** | applicationComponentType |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.3 |
| **Description** | Identifies the type of application reported. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Application Version

| | |
|---|---|
| **Name** | applicationVersion |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.4 |
| **Description** | Identifies the version of the application. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Application Display String

| | |
|---|---|
| **Name** | `applicationDisplayString` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.5 |
| **Description** | A user visible display string that describes the application. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Application Sub-Component ID

| | |
|---|---|
| **Name** | `applicationSubComponentID` |
| **Object ID** | 1.3.6.1.4.1.674.10899.1.6.1.6 |
| **Description** | The sub-component ID for the application. This is usually valid on ESM device reporting. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

## Operating System Group

The Operating System Group provides status and identifying information about a system's operating system. Identifying information includes the name, version, and service pack of the installed operating system.

The following objects describe the fields for Operating System Group.

#### Operating System Vendor

| | |
|---|---|
| **Name** | `operatingSystemVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.1 |
| **Description** | Defines the vendor of the Operating System. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

#### Operating System Major Version

| | |
|---|---|
| **Name** | `operatingSystemMajorVersion` |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.2 |
| **Description** | Defines the major version of the Operating System. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Operating System Minor Version

| | |
|---|---|
| **Name** | operatingSystemMinorVersion |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.3 |
| **Description** | Defines the minor version of the Operating System. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Operating System Service Pack Major Version

| | |
|---|---|
| **Name** | operatingSystemSPMajorVersion |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.5 |
| **Description** | Defines the Operating System's Service Pack major version. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Operating System Service Pack Minor Version

| | |
|---|---|
| **Name** | operatingSystemSPMinorVersion |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.6 |
| **Description** | Defines the Operating System's Service Pack minor version. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Operating System Architecture

| | |
|---|---|
| **Name** | operatingSystemArchitecture |
| **Object ID** | 1.3.6.1.4.1.674.10899.2.7 |
| **Description** | Defines the Operating System's architecture. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

# Inventory Collector Product Information

The following objects describe the fields for the Inventory Collector. The Inventory Collector product variables are scalar objects, meaning that they are not related to other Inventory Collector base (MIB) objects and are thus not placed in a table.

### Product ID Display Name

| | |
|---|---|
| **Name** | `productIDDisplayName` |
| **Object ID** | 1.3.6.1.4.1.674.10899.100.1 |
| **Description** | Defines the display name of the product. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Product ID Description

| | |
|---|---|
| **Name** | `productIDDescription` |
| **Object ID** | 1.3.6.1.4.1.674.10899.100.2 |
| **Description** | Provides a description of the product. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Product ID Vendor

| | |
|---|---|
| **Name** | `productIDVendor` |
| **Object ID** | 1.3.6.1.4.1.674.10899.100.3 |
| **Description** | Provides name of the manufacturer of the product. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Product ID Version

| | |
|---|---|
| **Name** | `productIDVersion` |
| **Object ID** | 1.3.6.1.4.1.674.10899.100.4 |
| **Description** | Describes the version of the product. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

### Product ID Build Number

| | |
|---|---|
| **Name** | `productIDBuildNumber` |
| **Object ID** | 1.3.6.1.4.1.674.10899.100.5 |
| **Description** | Describes the software build number of the product. |
| **Syntax** | DisplayString |
| **Access** | Read-only |

# 25

# Traps

The Server Administrator generates events that result in Simple Network Management Protocol (SNMP) traps or operating system event logs. Remote Access Controller (RAC) and Baseboard Management Controller (BMC) also can generate SNMP traps in response to hardware events. This section describes the traps, also known as alerts, generated by the Server Administrator, RAC, and BMC.

The Server Administrator 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 status change event generates a unique identifier called the trap ID and a trap description that describes the event. The trap ID and message uniquely describe the severity and cause of the event, and provide other relevant information such as the location of the event and the monitored item's previous state.

"Instrumentation Traps," found later in this section, lists all Server Administrator Instrumentation trap IDs in numerical order and includes each trap ID's corresponding description, severity level, and cause. Description text in brackets (for example, <*State*>) describes the event-specific information provided by Server Administrator.

"RAC Traps," found later in this section, lists RAC trap IDs in numerical order and includes each trap ID's corresponding description, severity level, and cause.

"BMC Traps," found later in this section, lists BMC trap IDs and includes each trap ID's corresponding description and severity level.

## Trap Variables

This section describes the variables that are sent to the management console to provide additional information about a trap or alert generated by some event on your system. The trap variables presented here apply to all Instrumentation and RAC traps. Trap variables are sent in the order listed and are reserved for use only in traps. When a varbind is created for a trap variable, a zero is appended to the object ID (OID) to create the OID for the varbind.

### System

| | |
|---|---|
| **Variable Name** | `alertSystem` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.1 |
| **Description** | Identifies the system generating the alert. |
| **Syntax** | DisplayString (SIZE (0..255)) |

### Table Index OID

| | |
|---|---|
| **Variable Name** | `alertTableIndexOID` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.2 |
| **Description** | Gives the object identifier for the index attribute in the table that contains the object causing the alert. Uniquely identifies the object causing the alert and can be used to correlate different alerts caused by the same object. |
| **Syntax** | OBJECT IDENTIFIER |

### Message

| | |
|---|---|
| **Variable Name** | `alertMessage` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.3 |
| **Description** | Describes the alert. |
| **Syntax** | DisplayString (SIZE (0..1024)) |

### Current Status

| | |
|---|---|
| **Variable Name** | `alertCurrentStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.4 |
| **Description** | Gives the current status of the object causing the alert. |
| **Syntax** | DellStatus |

### Previous Status

| | |
|---|---|
| **Variable Name** | `alertPreviousStatus` |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.5 |
| **Description** | Gives the previous status of the object causing the alert. |
| **Syntax** | DellStatus |

### Data

| | |
|---|---|
| **Variable Name** | alertData |
| **Object ID** | 1.3.6.1.4.1.674.10892.1.5000.10.6 |
| **Description** | Provides Server Administrator-defined data related to the alert. |
| **Syntax** | OCTET STRING (SIZE (0..1024)) |

# Understanding the Trap Description

Table 25-1 lists in alphabetical order each line item that may appear in the trap description.

**Table 25-1. Trap Description Reference**

| Description Line Item | Explanation |
|---|---|
| Action performed was: <*Action*> | Specifies the automatic server recovery action that was performed, for example:<br>Action performed was: Power cycle |
| Action requested was: <*Action*> | Specifies the user initiated host control action that was requested, for example:<br>Action requested was: Reboot, shutdown OS first |
| Additional details: <Additional details for the events> | Specifies possible additional details about the specified device, for example:<br>Additional details:<br>Memory device: DIMM_1A Serial number: 11111111<br>Memory device: DIMM_1B Serial number: 22222222 |
| <*Additional power supply status information*> | Specifies any additional power supply information pertaining to the event, for example:<br>Power supply input AC is off, Power supply POK (power OK) signal is not normal, Power supply is turned off |
| Battery sensor status: <status> | Specifies the status reported by the battery sensor, for example:<br>Battery sensor status: Predictive failure |
| Chassis intrusion state:<br><*Intrusion state*> | Specifies the chassis intrusion state (open or closed), for example:<br>Chassis intrusion state: Open |
| Chassis location:<br><*Name of chassis*> | Specifies the name of the chassis that generated the message, for example:<br>Chassis location: Main System Chassis |

**Table 25-1. Trap Description Reference *(continued)***

| Description Line Item | Explanation |
|---|---|
| `Configuration error type: <type of configuration error>` | Specifies the type of configuration error that occurred, for example:<br>`Configuration error type: Revision mismatch` |
| `Current sensor value (in Amps): <Reading>` | Specifies the current sensor value in amps, for example:<br>`Current sensor value: 7.853` |
| `Date and time of action: <Date and time>` | Specifies the date and time that an automatic server recovery action was performed, for example:<br>`Date and time of action: Fri May 30 23:55:44 2003.` |
| `Device location: <Location in chassis>` | Specifies the location of the device in the specified chassis, for example:<br>`Device location: Mem Card A` |
| `Discrete current state: <State>` | Specifies the state of the current sensor, for example:<br>`Discrete current state: Good` |
| `Discrete temperature state: <State>` | Specifies the state of the temperature sensor, for example:<br>`Discrete temperature state: Good` |
| `Discrete voltage state: <State>` | Specifies the state of the voltage sensor, for example:<br>`Discrete voltage state: Good` |
| `Fan sensor value: <Reading>` | Specifies the fan speed in revolutions per minute (RPMs) or On/Off, for example:<br>`Fan sensor value (in RPM): 2600`<br>`Fan sensor value: Off` |
| `Log type: <Log type>` | Specifies the type of hardware log, for example:<br>`Log type: Embedded Server Management (ESM)` |
| `Memory device bank location: <Bank name in chassis>` | Specifies the name of the memory bank in the system that generated the message, for example:<br>`Memory device bank location: Bank_1` |
| `Memory device location: <Device name in chassis>` | Specifies the location of the memory module in the chassis, for example:<br>`Memory device location: DIMM_A` |
| `Number of devices required for full redundancy: <Number>` | Specifies the number of power supply or cooling devices required to achieve full redundancy, for example:<br>`Number of devices required for full redundancy: 4` |

**Table 25-1. Trap Description Reference *(continued)***

| Description Line Item | Explanation |
|---|---|
| `Possible memory module event cause: <list of causes>` | Specifies a list of possible causes for the memory module event, for example:<br>`Possible memory module event cause: Single bit warning error rate exceeded`<br>`Single bit error logging disabled` |
| `Power Supply type: <type of power supply>` | Specifies the type of power supply, for example:<br>`Power Supply type: VRM` |
| `Pre-failure state was: <State>` | Specifies the status of the previous memory message, for example:<br>`Pre-failure state was: Failed` |
| `Previous redundancy state was: <State>` | Specifies the status of the previous redundancy message, for example:<br>`Previous redundancy state was: Lost` |
| `Previous state was: <State>` | Specifies the previous state of the sensor, for example:<br>`Previous state was: OK (Normal)` |
| `Processor sensor status: <status>` | Specifies the status of the processor sensor, for example:<br>`Processor sensor status: Configuration error` |
| `Redundancy unit: <Redundancy location in chassis>` | Specifies the location of the redundant power supply or cooling unit in the chassis, for example:<br>`Redundancy unit: Fan Enclosure` |
| `Sensor location: <Location in chassis>` | Specifies the location of the sensor in the specified chassis, for example:<br>`Sensor location: CPU1` |
| `Temperature sensor value (in degrees Celsius): <Reading>` | Specifies the temperature in degrees Celsius, for example:<br>`Temperature sensor value (in degrees Celsius): 30` |
| `Voltage sensor value (in Volts): <Reading>` | Specifies the voltage sensor value in volts, for example:<br>`Voltage sensor value: 1.693` |

## 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.

## Instrumentation Traps

This section describes the traps that are generated by the Instrumentation service of the Server Administrator. All of the traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.1 and are sent with all of the trap variables documented in the section, "Trap Variables." The trap variables are sent in the order in which they are listed. The messages in the **Description** fields below show the format of the message that is sent in the **alertMessage** varbind. If a message in a **Description** field has multiple lines, the message contains newline (0Ah) characters that are part of the value in the **alertMessage** varbind.

## Miscellaneous Traps

Miscellaneous traps inform you that certain alert systems are up and working.

**Table 25-2. Miscellaneous Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **System Up** | | | |
| 1001 | `Server Administrator startup complete` | Information | Server Administrator completed its initialization. |
| **Thermal Shutdown** | | | |
| 1004 | `Thermal shutdown protection has been initiated` | Error | This message is generated when a system is configured for thermal shutdown due to an error event. If a temperature sensor reading exceeds the error threshold for which the system is configured, the operating system shuts down and the system powers off. This event may also be initiated on certain systems when a fan enclosure is removed from the system for an extended period of time. |
| **Automatic System Recovery** | | | |
| 1006 | `Automatic System Recovery (ASR) action was performed`<br>`Action performed was:` *`<Action>`*<br>`Date and time of action:` *`<Date and time>`* | Error | This message is generated when an automatic system recovery action is performed due to a hung operating system. The action performed and the date and time of the action are provided. |
| **Host System Reset** | | | |
| 1007 | `User initiated host system control action`<br>`Action requested was:` *`<Action>`* | Information | User requested a host system control action to reboot, power off, or power cycle the system or another event such as thermal shutdown protection initiated a power off, operating system shutdown. |

## Temperature Probe Traps

Temperature probes help protect critical components by alerting the systems management console when temperatures become too high inside a chassis. The temperature probe traps use additional variables: sensor location, chassis location, previous state, and temperature sensor value reported in degrees Celsius.

**Table 25-3. Temperature Probe Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Temperature Probe Normal** | | | |
| 1052 | Temperature sensor returned to a normal value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*><br>If sensor type is discrete: Discrete temperature state: <*State*> | Information | A temperature sensor on the backplane board, system board, or drive carrier in the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided. |
| **Temperature Probe Warning** | | | |
| 1053 | Temperature sensor detected a warning value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*><br>If sensor type is discrete: Discrete temperature state: <*State*> | Warning | A temperature sensor on the backplane board, system board, or drive carrier in the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided. |

**Table 25-3. Temperature Probe Traps *(continued)***

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Temperature Probe Failure** | | | |
| 1054 | Temperature sensor detected a failure value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*><br>If sensor type is discrete: Discrete temperature state: <*State*> | Error | A temperature sensor on the backplane board, system board, or drive carrier in the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided. |
| **Temperature Probe Nonrecoverable** | | | |
| 1055 | Temperature sensor detected a non-recoverable value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*><br>If sensor type is discrete: Discrete temperature state: <*State*> | Error | A temperature sensor on the backplane board, system board, or drive carrier in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and temperature sensor value are provided. |

## Cooling Device Traps

Cooling device traps monitor how well a fan is functioning.

**Table 25-4. Cooling Device Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Cooling Device Normal** | | | |
| 1102 | `Fan sensor returned to a normal value`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Fan sensor value: <Reading>` | Information | A fan sensor reading on the specified system returned to a valid range after crossing a warning threshold. The sensor location, chassis location, previous state, and fan sensor value are provided. |
| **Cooling Device Warning** | | | |
| 1103 | `Fan sensor detected a warning value`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Fan sensor value: <Reading>` | Warning | A fan sensor reading in the specified system exceeded a warning threshold. The sensor location, chassis location, previous state, and fan sensor value are provided. |
| **Cooling Device Failure** | | | |
| 1104 | `Fan sensor detected a failure value`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Fan sensor value: <Reading>` | Error | A fan sensor in the specified system detected the failure of one or more fans. The sensor location, chassis location, previous state, and fan sensor value are provided. |
| **Cooling Device Nonrecoverable** | | | |
| 1105 | `Fan sensor detected a non-recoverable value`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Fan sensor value: <Reading>` | Error | A fan sensor detected an error from which it cannot recover. The sensor location, chassis location, previous state, and fan sensor value are provided. |

## Voltage Probe Traps

Voltage probes monitor the number of volts across critical components.

**Table 25-5. Voltage Probe Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Voltage Probe Normal** | | | |
| 1152 | Voltage sensor returned to a normal value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Voltage sensor value (in Volts): *<Reading>*<br>If sensor type is discrete: Discrete voltage state: *<State>* | Information | A voltage sensor in the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided. |
| **Voltage Probe Warning** | | | |
| 1153 | Voltage sensor detected a warning value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Voltage sensor value (in Volts): *<Reading>*<br>If sensor type is discrete: Discrete voltage state: *<State>* | Warning | A voltage sensor in the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided. |

**Table 25-5. Voltage Probe Traps *(continued)***

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Voltage Probe Failure** | | | |
| 1154 | Voltage sensor detected a failure value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*><br>If sensor type is discrete: Discrete voltage state: <*State*> | Error | A voltage sensor in the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided. |
| **Voltage Probe Nonrecoverable** | | | |
| 1155 | Voltage sensor detected a non-recoverable value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*><br>If sensor type is discrete: Discrete voltage state: <*State*> | Error | A voltage sensor in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and voltage sensor value are provided. |

## Amperage Probe Traps

Amperage probes measure the amount of current (in amperes) that is traversing critical components.

**Table 25-6. Amperage Probe Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Amperage Probe Normal** | | | |
| 1202 | Current sensor returned to a normal value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Current sensor value (in Amps): <*Reading*><br>If sensor type is discrete: Discrete current state: <*State*> | Information | A current sensor on the power supply for the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and current sensor value are provided. |
| **Amperage Probe Warning** | | | |
| 1203 | Current sensor detected a warning value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Current sensor value (in Amps): <*Reading*><br>If sensor type is discrete: Discrete current state: <*State*> | Warning | A current sensor on the power supply for the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and current sensor value are provided. |

**Table 25-6. Amperage Probe Traps *(continued)***

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Amperage Probe Failure** | | | |
| 1204 | Current sensor detected a failure value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Current sensor value (in Amps): <*Reading*><br>If sensor type is discrete: Discrete current state: <*State*> | Error | A current sensor on the power supply for the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and current sensor value are provided. |
| **Amperage Probe Nonrecoverable** | | | |
| 1205 | Current sensor detected a non-recoverable value<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>If sensor type is not discrete: Current sensor value (in Amps): <*Reading*><br>If sensor type is discrete: Discrete current state: <*State*> | Error | A current sensor in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and current sensor value are provided. |

## Chassis Intrusion Traps

Chassis intrusion traps are a security measure. Chassis intrusion means that someone is opening the cover to a system's chassis. Alerts are sent to prevent unauthorized removal of parts from a chassis.

**Table 25-7. Chassis Intrusion Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Chassis Intrusion Normal** | | | |
| 1252 | `Chassis intrusion returned to normal`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Chassis intrusion state: <Intrusion state>` | Information | A chassis intrusion sensor in the specified system detected that a cover was opened while the system was operating but has since been replaced. The sensor location, chassis location, previous state, and chassis intrusion state are provided. |
| **Chassis Intrusion Detected** | | | |
| 1254 | `Chassis intrusion detected`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Chassis intrusion state: <Intrusion state>` | Error | A chassis intrusion sensor in the specified system detected that the system cover was opened while the system was operating. The sensor location, chassis location, previous state, and chassis intrusion state are provided. |

## Redundancy Unit Traps

Redundancy means that a system chassis has more than one of certain critical components. Fans and power supplies, for example, are so important for preventing damage or disruption of a computer system that a chassis may have "extra" fans or power supplies installed. Redundancy allows a second or *nth* fan to keep the chassis components at a safe temperature when the primary fan has failed. Redundancy is normal when the intended number of critical components are operating. Redundancy is degraded when a component fails but others are still operating. Redundancy is lost when the number of components functioning falls below the redundancy threshold.

The number of devices required for full redundancy is provided as part of the trap message when applicable for the redundancy unit and the platform. For more details on redundancy computation, please refer to the respective platform documentation.

**Table 25-8. Redundancy Unit Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Redundancy Normal** | | | |
| 1304 | Redundancy regained<br>Redundancy unit: <*Redundancy location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous redundancy state was: <*State*><br>Number of devices required for full redundancy: <*Number*> | Information | A redundancy sensor in the specified system detected that a "lost" redundancy device has been reconnected or replaced; full redundancy is in effect. The redundancy unit location, chassis location, and previous redundancy state are provided. |
| **Redundancy Degraded** | | | |
| 1305 | Redundancy degraded<br>Redundancy unit: <*Redundancy location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous redundancy state was: <*State*><br>Number of devices required for full redundancy: <*Number*> | Warning | A redundancy sensor in the specified system detected that one of the components of the redundancy unit has failed but the unit is still redundant. The redundancy unit location, chassis location, and previous redundancy state are provided. |
| **Redundancy Lost** | | | |
| 1306 | Redundancy lost<br>Redundancy unit: <*Redundancy location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous redundancy state was: <*State*><br>Number of devices required for full redundancy: <*Number*> | Warning or Error (depending on the number of units that are functional) | A redundancy sensor in the specified system detected that one of the components in the redundant unit has been disconnected, has failed, or is not present. The redundancy unit location, chassis location, and previous redundancy state are provided. |

## Power Supply Traps

Power supply traps provide status and warning information for power supplies present in a particular chassis.

**Table 25-9. Power Supply Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Power Supply Normal** | | | |
| 1352 | Power supply returned to normal<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>Power Supply type: <*type of power supply*><br><*Additional power supply status information*><br>If in configuration error state: Configuration error type: <*type of configuration error*> | Information | A power supply has been reconnected or replaced. The sensor location, chassis location, previous state, and additional information about the power supply event are provided. |
| **Power Supply Warning** | | | |
| 1353 | Power supply detected a warning<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*><br>Previous state was: <*State*><br>Power Supply type: <*type of power supply*><br><*Additional power supply status information*><br>If in configuration error state: Configuration error type: <*type of configuration error*> | Warning | A power supply sensor has detected a warning condition. The sensor location, chassis location, previous state, and additional power supply status information are provided. |

**Table 25-9. Power Supply Traps *(continued)***

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Power Supply Failure** | | | |
| 1354 | `Power supply detected a failure`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Power Supply type: <type of power supply>`<br>`<Additional power supply status information>`<br>`If in configuration error state: Configuration error type: <type of configuration error>` | Error | A power supply has been disconnected or has failed. The sensor location, chassis location, previous state, and additional information about the power supply event are provided. |

## Memory Device Traps

Memory device messages provide status and warning information for memory modules present in a particular system. Memory devices determine health status by counting the number of ECC memory corrections.

**NOTE:** A value of `failure` or `non-recoverable` does not indicate a system failure or loss of data, but rather that the specified system exceeded the specified ECC correction threshold. Although the system continues to function, you should perform system maintenance as described in Table 25-10.

**Table 25-10. Memory Device Messages**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| 1403 | `Memory device status is <status>`<br>`Memory device location: <Location in chassis>`<br>`Possible memory module event cause: <list of causes>` | Warning | A memory device correction rate exceeded an acceptable value. The memory device status and location are provided. |

**Table 25-10. Memory Device Messages *(continued)***

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| 1404 | Memory device status is <*Status*><br>Memory device location: <*Location in chassis*><br>*Possible memory module event cause: <list of causes>* | Error | A memory device correction rate exceeded an acceptable value, a memory spare bank was activated, or a Uncorrectable Memory Event occurred. The system continues to function normally (except for a Uncorrectable Memory Event). Clear the memory error on Uncorrectable Memory Event. Replace the memory module identified in the message during the system's next scheduled maintenance. The memory device status and location are provided. |

## Fan Enclosure Traps

Some systems are equipped with a protective enclosure for fans. Fan enclosure traps monitor enclosures for whether foreign objects are present and for how long a fan enclosure is absent from a chassis.

**Table 25-11. Fan Enclosure Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Fan Enclosure Insertion** | | | |
| 1452 | Fan enclosure inserted into system<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*> | Information | A fan enclosure has been inserted into the specified system. The sensor location and chassis location are provided. |
| **Fan Enclosure Removal** | | | |
| 1453 | Fan enclosure removed from system<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*> | Warning | A fan enclosure has been removed from the specified system. The sensor location and chassis location are provided. |
| **Fan Enclosure Extended Removal** | | | |
| 1454 | Fan enclosure removed from system for an extended amount of time<br>Sensor location: <*Location in chassis*><br>Chassis location: <*Name of chassis*> | Error | A fan enclosure has been removed from the specified system for a user-definable length of time. The sensor location and chassis location are provided. |

## AC Power Cord Traps

The AC power cord sensor monitors the presence of AC power for an AC power cord. AC power cord traps provide status and warning information for power cords that are part of an AC power switch, if your system supports AC switching.

**Table 25-12. AC Power Cord Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **AC Power Cord No Power Nonredundant** | | | |
| 1501 | `AC power cord is not being monitored`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>` | Information | The AC power cord status is not being monitored. This occurs when a system's expected AC power configuration is set to **nonredundant**. The sensor location and chassis location information are provided. |
| **AC Power Cord Normal** | | | |
| 1502 | `AC power has been restored`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>` | Information | An AC power cord that did not have AC power has had the power restored. The sensor location and chassis location information are provided. |
| **AC Power Cord Failure** | | | |
| 1504 | `AC power has been lost`<br>`Sensor location: <Location in chassis>`<br>`Chassis location: <Name of chassis>` | Error | An AC power cord has lost its power. The sensor location and chassis location information are provided. |

## Hardware Log Traps

Hardware logs provide hardware status messages to systems management software. On certain systems, the hardware log is implemented as a circular queue. When the log becomes full, the oldest status messages are overwritten when new status messages are logged. On some systems, the log is not circular. On these systems, when the log becomes full, subsequent hardware status messages are lost. Hardware log sensor messages provide status and warning information about the noncircular logs that may fill up, resulting in lost status messages.

**Table 25-13. Hardware Log Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Hardware Log Normal** | | | |
| 1552 | `Log size is no longer near or at capacity`<br>`Log type: <Log type>` | Information | The hardware log on the specified system is no longer near or at its capacity, usually as the result of clearing the log. The log type information is provided. |
| **Hardware Log Warning** | | | |
| 1553 | `Log size is near or at capacity`<br>`Log type: <Log type>` | Warning | The size of a hardware log on the specified system is near or at the capacity of the hardware log. The log type information is provided. |
| **Hardware Log Full** | | | |
| 1554 | `Log size is full`<br>`Log type: <Log type>` | Error | The size of a hardware log on the specified system is at the capacity of the hardware log. The log type information is provided. |

## Processor Device Status Traps

The BMC on some systems reports the status of processor devices. Processor device status traps provide status and warning information for processor devices present in a system with a BMC that reports the status of processor devices.

**Table 25-14. Processor Device Status Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Processor Device Status Normal** | | | |
| 1602 | `Processor sensor returned to a normal value`<br>`Sensor Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Processor sensor status: <status>` | Information | A processor sensor in the specified system transitioned back to a normal state. The sensor location, chassis location, previous state and processor sensor status are provided. |
| **Processor Device Status Warning** | | | |
| 1603 | `Processor sensor detected a warning value`<br>`Sensor Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Processor sensor status: <status>` | Warning | A processor sensor in the specified system is in a throttled state. The sensor location, chassis location, previous state and processor sensor status are provided. |
| **Processor Device Status Failure** | | | |
| 1604 | `Processor sensor detected a failure value`<br>`Sensor Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Previous state was: <State>`<br>`Processor sensor status: <status>` | Error | A processor sensor in the specified system is disabled, has a configuration error, or experienced a thermal trip. The sensor location, chassis location, previous state and processor sensor status are provided. |

## Pluggable Device Traps

Server Administrator monitors the addition and removal of pluggable devices such as memory cards. Device traps provide information about the addition and removal of such devices.

**Table 25-15. Pluggable Device Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Pluggable Device Addition** | | | |
| 1651 | Device added to system<br>`Device Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Additional Details: <Additional details for the events>` | Information | A device was added to the specified system. The device location, chassis location, and additional event details, if available, are provided. |
| **Pluggable Device Removal** | | | |
| 1652 | Device removed from system<br>`Device Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Additional Details: <Additional details for the events>` | Information | A device was removed from the specified system. The device location, chassis location, and additional event details, if available, are provided. |
| **Pluggable Device Configuration Error** | | | |
| 1653 | Device configuration error detected<br>`Device Location: <Location in chassis>`<br>`Chassis Location: <Name of chassis>`<br>`Additional Details: <Additional details for the events>` | Error | A configuration error was detected for a pluggable device in the specified system. The device may have been added to the system incorrectly. The device location, chassis location, and additional event details, if available, are provided. |

## Battery Traps

The BMC on some systems reports the status of batteries. Battery traps provide status and warning information for batteries present in a system with a BMC that reports the status of batteries.

**Table 25-16. Battery Traps**

| Trap ID | Description | Severity | Cause |
|---|---|---|---|
| **Battery Normal** | | | |
| 1702 | Battery sensor returned to a normal value<br>Sensor Location: <Location in chassis><br>Chassis Location: <Name of chassis><br>Previous state was: <State><br>Battery sensor status: <status> | Informational | A battery sensor in the specified system detected that a battery transitioned back to a normal state. The sensor location, chassis location, previous state, and battery sensor status are provided. |
| **Battery Warning** | | | |
| 1703 | Battery sensor detected a warning value<br>Sensor Location: <Location in chassis><br>Chassis Location: <Name of chassis><br>Previous state was: <State><br>Battery sensor status: <status> | Warning | A battery sensor in the specified system detected that a battery is in a predictive failure state. The sensor location, chassis location, previous state, and battery sensor status are provided. |
| **Battery Failure** | | | |
| 1704 | Battery sensor detected a failure value<br>Sensor Location: <Location in chassis><br>Chassis Location: <Name of chassis><br>Previous state was: <State><br>Battery sensor status: <status> | Critical | A battery sensor in the specified system detected that a battery has failed. The sensor location, chassis location, previous state, and battery sensor status are provided. |

# RAC Traps

This section describes the traps that are generated by the SNMP agent of the Remote Access Controller (RAC). 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 all of the trap variables documented in the section "Traps". The trap variables are sent in the order in which they are listed.

**Table 25-17. Generic Traps**

| Trap ID | 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 |

**Table 25-18. Enterprise-specific Traps**

| Trap ID | Name | Description | Severity | Category | Cause | Supported by RAC Platform |
|---|---|---|---|---|---|---|
| 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 |
| 1003 | alertDrscLost ESM | The RAC cannot communicate with the baseboard management controller (ESM) | Critical | Error | RAC lost communication with ESM. | Dell™ Remote Access Controller (DRAC) III |
| 1004 | alertDrscFound ESM | The RAC is communicating normally with the baseboard management controller (ESM) | Information | Error | RAC recovered communication with ESM. | DRAC III |

**Table 25-18. Enterprise-specific Traps *(continued)***

| Trap ID | Name | Description | Severity | Category | Cause | Supported by RAC Platform |
|---|---|---|---|---|---|---|
| 1005 | alertDrscPower Off | The RAC has detected a system power state change to powered-off | Critical | Error | RAC detected a system power state change to power-off. | DRAC III |
| 1006 | alertDrscPower On | The RAC has detected a system power state change to powered-on | Information | Error | RAC detected a system power state change to power-on. | DRAC III |
| 1007 | alertDrsc Watchdog Expired | The RAC has detected that the system watchdog has expired indicating a system hang | Critical | Event | RAC has detected the system watchdog expired (normally indicating a system hang). | DRAC III |
| 1008 | alertDrscBatt Low | The RAC Battery charge is below 25% indicating that the battery may only be able to power the DRSC for 8-10 minutes | Minor | Error | RAC detected its battery charge is below 25% full. | DRAC III |
| 1009 | alertDrscTemp Normal | The RAC Temperature probe has returned to a normal value | Information | Status | RAC temperature probe reading returned to normal. | DRAC III |
| 1010 | alertDrscTemp Warning | The RAC Temperature probe has detected a Warning value | Minor | Status | RAC temperature probe reading exceeded warning threshold. | DRAC III |
| 1011 | alertDrscTemp Critical | The RAC Temperature probe has detected a failure (or critical) value | Critical | Error | RAC temperature probe reading exceeded critical threshold. | DRAC III |
| 1012 | alertDrscVolt Normal | The RAC voltage has returned to a normal value | Information | Error | RAC voltage probe reading returns to normal. | DRAC III |

**Table 25-18. Enterprise-specific Traps *(continued)***

| Trap ID | Name | Description | Severity | Category | Cause | Supported by RAC Platform |
|---|---|---|---|---|---|---|
| 1013 | alertDrscVolt Warning | The RAC voltage probe has detected a warning value | Minor | Error | RAC voltage probe reading exceeded warning threshold. | DRAC III |
| 1014 | alertDrscVolt Critical | The RAC voltage probe has detected a failure (or critical) value | Critical | Error | RAC voltage probe reading exceeded critical threshold. | DRAC III |
| 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 |
| 1019 | alertDrscSEL 100 percentFull | The RAC system event log is 100% full | Major | Status | RAC detected system event log is 100% 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 of 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 25-19. BMC Traps**

| Trap ID | Description | Severity |
|---|---|---|
| 262402 | Generic Critical Fan Failure | Critical |
| 262530 | Generic Critical Fan Failure Cleared | Informational |
| 131330 | Under-Voltage Problem (Lower Critical - going low) | Critical |
| 131458 | Under-Voltage Problem Cleared | Informational |
| 131841 | Generic Critical Voltage Problem | Critical |
| 131840 | Generic Critical Voltage Problem Cleared | Informational |
| 65792 | Under-Temperature Warning (Lower non-critical, going low) | Warning |
| 65920 | Under-Temperature Warning Cleared | Informational |
| 65794 | Under-Temperature Problem (Lower Critical - going low) | Critical |
| 65922 | Under-Temperature Problem Cleared | Informational |
| 65799 | Over-Temperature warning (Upper non-critical, going high) | Minor |
| 65927 | Over-Temperature warning Cleared | Informational |
| 65801 | Over-Temperature Problem (Upper Critical - going high) | Critical |
| 65929 | Over-Temperature Problem Cleared | Informational |
| 131328 | Under-Voltage Warning (Lower Non Critical - going low) | Warning |
| 131456 | Under-Voltage Warning Cleared | Informational |
| 131330 | Under-Voltage Problem (Lower Critical - going low) | Critical |
| 131458 | Under-Voltage Problem Cleared | Informational |
| 131335 | Over-Voltage Warning (Upper Non Critical - going high) | Warning |
| 131463 | Over-Voltage Warning Cleared | Informational |
| 131337 | Over-Voltage Problem (Upper Critical - going high) | Critical |
| 131465 | Over-Voltage Problem Cleared | Informational |
| 131841 | Generic Critical Voltage Problem | Critical |
| 131840 | Generic Critical Voltage Problem Cleared | Informational |
| 356096 | Chassis Intrusion - Physical Security Violation | Critical |

**Table 25-19. BMC Traps *(continued)***

| Trap ID | Description | Severity |
|---|---|---|
| 356224 | Chassis Intrusion (Physical Security Violation) Event Cleared | Informational |
| 262400 | Generic Predictive Fan Failure (predictive failure asserted) | Minor |
| 262528 | Generic Predictive Fan Failure Cleared | Informational |
| 262402 | Generic Critical Fan Failure | Critical |
| 262530 | Generic Critical Fan Failure Cleared | Informational |
| 264962 | Fan redundancy has been degraded | Warning |
| 264961 | Fan Redundancy Lost | Critical |
| 264960 | Fan redundancy Has Returned to Normal | Informational |
| 2715392 | Battery Low (Predictive Failure) | Warning |
| 2715520 | Battery Low (Predictive Failure) Cleared | Informational |
| 2715393 | Battery Failure | Critical |
| 2715521 | Battery Failure Cleared | Informational |
| 487169 | CPU Thermal Trip (Over Temperature Shutdown) | Critical |
| 487297 | CPU Thermal Trip (Over Temperature Shutdown) Cleared | Informational |
| 487168 | CPU Internal Error | Critical |
| 487296 | CPU Internal Error Cleared | Informational |
| 487173 | CPU Configuration Error | Critical |
| 487301 | CPU Configuration Error Cleared | Informational |
| 487175 | CPU Presence (Processor Presence detected) | Informational |
| 487303 | CPU Not Present (Processor Not Present) | Critical |
| 487170 | CPU BIST (Built In Self Test) Failure | Critical |
| 487298 | CPU BIST (Built In Self Test) Failure Cleared | Informational |
| 487176 | CPU Disabled (Processor Disabled) | Critical |
| 487304 | CPU Enabled (Processor Enabled) | Informational |
| 487178 | CPU Throttle (Processor Speed Reduced) | Warning |
| 487306 | CPU Throttle Cleared (Normal Processor Speed) | Informational |
| 527106 | Power Supply Redundancy Degraded | Warning |
| 527105 | Power Supply Redundancy Lost | Critical |
| 527104 | Power Supply Redundancy Has Returned to Normal | Informational |
| 552704 | Power Supply Inserted | Informational |

**Table 25-19. BMC Traps *(continued)***

| Trap ID | Description | Severity |
|---|---|---|
| 552832 | Power Supply Removed | Warning |
| 552705 | Power Supply Failure | Critical |
| 552833 | Power Supply Failure Cleared | Informational |
| 552706 | Power Supply Warning | Warning |
| 552834 | Power Supply Warning Cleared | Informational |
| 552707 | Power Supply AC Lost | Critical |
| 552835 | Power Supply AC Restored | Informational |
| 789249 | Memory Redundancy Has Been Lost | Critical |
| 789248 | Memory redundancy Has Returned to Normal | Informational |
| 1076994 | System Event Log (SEL) Cleared | Informational |
| 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 |

# 26

# Storage Management Alert Reference

Storage Management's alert or event management features let you monitor the health of storage resources such as controllers, connectors, array disks, and virtual disks.

## Alert Monitoring and Logging

The Storage Management Service performs alert monitoring and logging. By default, the Storage Management Service starts when the managed system starts up. If you stop the Disk Management Service, then alert monitoring and logging stops. Alert monitoring does the following:

- Updates the status of the storage object that generated the alert.
- Propagates the storage object's status to all the related higher objects in the storage hierarchy. For example, the status of a lower-level object will be propagated up to the status displayed on the Health tab for the top-level storage object.
- Logs an alert into the Alert log and Microsoft® Windows® application log.
- Sends an Simple Network Management Protocol (SNMP) trap if the operating system's SNMP service is installed and enabled.

**NOTE:** Storage Management does not log alerts regarding the data I/O path. These alerts are logged by the respective RAID drivers in the system alert log.

## Viewing Alerts

Storage Management generates alerts that are added to the Windows application alert log and to the Server Administrator Alert log. To view these alerts in Server Administrator:

1. Select the **System** object in the tree view.
2. Select the **Logs** tab.
3. Select the **Alert** subtab.

**NOTE:** You can also view these alerts in the Windows Event Viewer. Every alert consists of the following:

- **Severity** — Shows the severity of alert.
- **Date and Time** — Date and time when Storage Management logged the alert.
- **Description** — A brief description of the alert. To expand or collapse the alert description, click the **Description** column heading.

# Alert Severity Levels

Each alert message in the Storage Management alert log has a severity level. The severity level is displayed in the **Severity** field of the alert message. The severity level indicates the nature of the alert.

The alert severity levels are as follows:

**Table 26-1. Storage Management Alert Severity**

| Alert Severity | Component Status |
|---|---|
| **OK/Normal/Informational** | No action is required. The alert is provided for informational purposes and does not indicate an error condition. For example, the alert may indicate the normal start or stop of an operation. |
| **Warning/Non-critical** | A component requires attention. This alert indicates a potential problem, but does not necessarily mean that the system has currently lost data or is nonfunctional. For example, a Warning/Non-critical alert may indicate that a component (such as a temperature probe in an enclosure) has crossed a warning threshold. |
| **Critical/Failure/Error** | A component has either failed or failure is imminent. This alert indicates a serious problem such as data loss or a loss of function. For example, a Critical/Failure/Error alert may indicate that an array disk has failed. |

# SNMP Support for Storage Management Alerts

By default, Storage Management installs SNMP trap forwarding support. For this support to function, you should have SNMP installed on the managed system prior to installing Storage Management.

**NOTE:** For more information on installation requirements and SNMP, see the Server Administrator documentation.

## SNMP Trap Forwarding

The Storage Management alerts are displayed in the Server Administrator alert log and are forwarded to the Windows application alert log. If you have SNMP installed on the managed system (and the SNMP service is running), the Storage Management alerts in the Windows application alert log will be forwarded as SNMP traps. In order for these traps to be viewable, however, a target system or application must be configured to receive these traps. SNMP traps that are generated by Storage Management can be viewed in any standard SNMP-compatible enterprise management console.

The Windows SNMP service must be configured to forward the SNMP traps to the target system or application. When forwarding to an application, the application should also be configured to receive the SNMP traps. The IT Assistant application is already configured to receive the SNMP traps generated by Storage Management.

See your Windows operating system documentation for information on configuring the operating system to forward SNMP traps. This information may be located under such topics as “setting up SNMP” or “SNMP traps.” When configuring SNMP for Windows, be sure that the SNMP traps are forwarded to the correct server. For information on configuring an application to receive SNMP traps, see the documentation for that application.

### SNMP Trap Definitions

The Storage Management management information base (MIB) defines the SNMP traps that Storage Management generates. These traps correspond to the alerts documented in the “Alert Descriptions and Corrective Actions" section. The MIB is located in **..\sm\mibs\dcstorag.mib**, a subdirectory of the Storage Management installation directory.

**NOTE:** Storage Management supports trap forwarding on both 32-bit and 64-bit operating systems.

### SNMP Trap Variables

The Storage Management SNMP traps use a set of variables that are included with every trap. These variables are the following:

- messageIDEvent
- descriptionEvent
- locationEvent
- objectNameEvent
- objectOIDEvent
- objectNexusEvent
- currentStatusEvent
- previousStatusEvent

## Viewing SNMP Traps

SNMP traps that are generated by Storage Management can be viewed in any standard SNMP-compatible enterprise management console. These traps are defined in the Storage Management MIB. These traps correspond to the alerts documented in the “Alert Descriptions and Corrective Actions” section. For more information on the MIB and its structure, as well as a change history of the SNMP traps, see the "Introduction" section. For more information on configuring SNMP, see "SNMP Support for Storage Management Alerts."

## Alert Descriptions and Corrective Actions

The alerts generated by the redundant array of independent disks (RAID) or Small Computer System Interface (SCSI) controllers and supported by Storage Management are displayed in the Server Administrator Alert subtab or through Windows Event Viewer. These alerts can also be forwarded as SNMP traps to other applications.

SNMP traps are generated for the alerts are included in the Storage Management MIB. The SNMP traps for these alerts use all of the SNMP trap variables. For the list of storage management alerts and storage management messages, see the *Dell OpenManage Server Administrator Messages Reference Guide*. This guide is available on the Dell Support website at **support.dell.com** and on the *Dell PowerEdge Documentation* CD.

# A

# Standard Data Type Definitions

This appendix contains definitions for data types that are standard in most contexts across the information technology industry. These are the most common data types for expressing variable values defined in the **10892.mib, dcs3rmt.mib and dcs3fru.mib** files. Server Administrator-specific variable values are defined in the last section of the section in which they are introduced.

## Common Data Types

Common data types include several types of strings, the object range, signed and unsigned bit ranges, and the familiar Boolean (true or false) data type.

**Table A-1. Common Data Types**

| Variable Name: | Definition |
|---|---|
| DellString | DisplayString (SIZE (0..64)) |
| DellSecurityString | DisplayString (SIZE (0..255)) |
| DellCostofOwnershipString | DisplayString (SIZE (0..64)) |
| DellObjectRange | INTEGER (1..128) |
| DellUnsigned8BitRange | INTEGER (1..256) |
| DellUnsigned16BitRange | INTEGER (1..65535) |
| DellUnsigned32BitRange | INTEGER (1..2147483647) |
| DellSigned32BitRange | INTEGER (-2147483647..2147483647) |
| DellBoolean | INTEGER (0..1 (FALSE = 0, TRUE = 1)) |

# Variables with Data Types of State Capabilities and State Capabilities Unique

Variables with definitions of <*variable name*>StateCapabilities or <*variable name*>StateCapabilitiesUnique are integers representing a series of bit definitions. They are NOT enumerations and should be treated as bit fields. The value is passed as a decimal value. The decimal value should be converted to hex and the appropriate bits should be parsed from hex. Some of the more common bit combinations are defined in some variables, but not all combinations are or will be defined.

**Table A-2. Dell State Capabilities**

| **Variable Name:** DellStateCapabilities<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| if set to zero(0) | The object has no capabilities. |
| unknownCapabilities(1) | The object's capabilities are unknown. |
| enableCapable(2) | The object can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| notReadyCapable(4) | The object is not ready. |
| enableAndNotReadyCapable(6) | Enable and not ready capable. |

**Table A-3. Dell State Settings**

| **Variable Name:** DellStateSettings<br>**Data Type:** Integer | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| if set to zero(0) | The object has no settings capabilities and its state is disabled. |
| unknown(1) | The object's state is unknown. |
| enabled(2) | The object's state is disabled (offline, a binary 0 value) or enabled (online, a binary 1 value). |
| notReady(4) | The object is not ready. |
| enableAndNotReady(6) | The object is enabled and not ready. |

**Table A-4. Dell Probe Capabilities**

| **Variable Name:** `DellProbeCapabilities` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `if set to zero(0)` | The object has no capabilities. |
| `upperNonCriticalThresholdSetCapable(1)` | The upper noncritical threshold can be set. |
| `lowerNonCriticalThresholdSetCapable(2)` | The lower noncritical threshold can be set. |
| `upperNonCriticalThresholdDefaultCapable(4)` | The upper noncritical threshold can be set to default. |
| `lowerNonCriticalThresholdDefaultCapable(8)` | The lower noncritical threshold can be set to default. |

# Dell Status Data Types

Status data types include DellStatus, DellStatusRedundancy, and DellStatusProbe.

**Table A-5. Dell Status**

| **Variable Name:** `DellStatus` | |
|---|---|
| **Data Type:** `Integer` | |
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The object's status is not one of the following: |
| `unknown(2)` | The object's status is unknown. |
| `ok(3)` | The object's status is OK. |
| `nonCritical(4)` | The object's status is warning, noncritical. |
| `critical(5)` | The object's status is critical (failure). |
| `nonRecoverable(6)` | The object's status is nonrecoverable (dead). |

**Table A-6. Dell Status Redundancy**

| **Variable Name:** `DellStatusRedundancy`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The object's status is not one of the following: |
| `unknown(2)` | The object's redundancy status is unknown. |
| `full(3)` | The object is fully redundant. |
| `degraded(4)` | The object's redundancy has been degraded. |
| `lost(5)` | The object's redundancy has been lost. |
| `notRedundant(6)` | Redundancy does not apply or it is not redundant. |

**Table A-7. Dell Status Probe**

| **Variable Name:** `DellStatusProbe`<br>**Data Type:** `Integer` | |
|---|---|
| **Possible Data Values** | **Meaning of Data Value** |
| `other(1)` | The object's status is not one of the following: |
| `unknown(2)` | The status of the object is unknown. |
| `ok(3)` | The status of the object is OK. |
| `nonCriticalUpper(4)` | The object is at the noncritical upper limit. |
| `CriticalUpper(5)` | The object is at the critical upper limit. |
| `nonRecoverableUpper(6)` | The object is at the nonrecoverable upper limit. |
| `nonCriticalLower(7)` | The object is at the noncritical lower limit. |
| `criticalLower(8)` | The object is at the critical lower limit. |
| `nonRecoverableLower(9)` | The object is at the nonrecoverable lower limit. |
| `failed(10)` | The status of the object is failed. |

# Dell Date

**Variable Name:** `DellDate`

**Data Type:** `DellUnsigned64BitRange` OCTET STRING (SIZE(8))

The DellDate definition is required because SNMP V1 does not support 64-bit ranges. The information sent back by this subagent will have the most significant byte of the information as the first byte. For example, the hex address 0x1029384754657687 will be sent as hex: 0001 0000 0010 1001 0011 1000 0100 0111 ... Byte 1 Byte 2 Byte 3 Byte 4.

## Full Dates

**Variable Name:** `DellDateName`

**Data Type:** `DisplayString` DisplayString (SIZE (25))

Full dates are defined in the ASCII format:

*yyyyMMddhhmmss.uuuuuu+fff or yyyyMMddhhmmss.uuuuuu-fff*

where *yyyy* is the year, *MM* is the month, *dd* is the day, *hh* are the hours, *mm* are the minutes, and *ss* are the seconds. *uuuuuu* is the number of microseconds, and *+fff* or *-fff* is the offset from UTC in minutes. For example, Friday, October 31, 2001, at 6:05:19 PM CST would be represented as 20011031180519.000000-360.

The values are zero-padded, and if a valid value for a field is not deliverable, each character in the field will be replaced with an asterisk (*) character.

# B

# SNMP Sample Output

This sample output from the Simple Network Management Protocol (SNMP) covers the first four groups of the Instrumentation management information base (MIB). Values are shown for each object identifier (OID) in the Instrumentation MIB Version Group, the Systems Management Software Group, the System State Group, the Chassis Information Table, and Event Log Table. The data is from a Dell™ PowerEdge™ 2650 system.

```
Walk  .1.3.6.1.4.1.674.10892  (Agent: 'SERVER01',  Community: 'public')


.iso.org.dod.internet.private.enterprises.dell.server3


1.3.6.1.4.1.674.10892.1.1.1.0  =  5

1.3.6.1.4.1.674.10892.1.1.2.0  =  3

1.3.6.1.4.1.674.10892.1.1.3.0  =  0

1.3.6.1.4.1.674.10892.1.100.1.0  =  'Server Administrator'

1.3.6.1.4.1.674.10892.1.100.2.0  =  '5.3.0'

1.3.6.1.4.1.674.10892.1.100.3.0  =  4522

1.3.6.1.4.1.674.10892.1.100.4.0  =  'Management software for
Dell systems.'

1.3.6.1.4.1.674.10892.1.100.5.0  =  1

1.3.6.1.4.1.674.10892.1.100.6.0  =  1

1.3.6.1.4.1.674.10892.1.100.7.0  =  'No Updates'

1.3.6.1.4.1.674.10892.1.100.8.0  =  'https://1.2.3.4:1311'

1.3.6.1.4.1.674.10892.1.100.9.0  =  'en_US'

1.3.6.1.4.1.674.10892.1.100.10.0  =  '2.2.0'

1.3.6.1.4.1.674.10892.1.100.11.0  =  0

1.3.6.1.4.1.674.10892.1.100.12.0  =  1

1.3.6.1.4.1.674.10892.1.100.13.0  =  'Dell Inc.'
```

```
1.3.6.1.4.1.674.10892.1.200.10.1.1.1  =  1
1.3.6.1.4.1.674.10892.1.200.10.1.2.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.3.1  =  2
1.3.6.1.4.1.674.10892.1.200.10.1.4.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.5.1  =  '\02'
1.3.6.1.4.1.674.10892.1.200.10.1.6.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.7.1  =  '\03'
1.3.6.1.4.1.674.10892.1.200.10.1.8.1  =  '\02\02'
1.3.6.1.4.1.674.10892.1.200.10.1.9.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.10.1  =  '\03\03'
1.3.6.1.4.1.674.10892.1.200.10.1.11.1  =
'\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02\02'
1.3.6.1.4.1.674.10892.1.200.10.1.12.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.13.1  =
'\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03'
1.3.6.1.4.1.674.10892.1.200.10.1.20.1  =  '\02\02\02\02\02'
1.3.6.1.4.1.674.10892.1.200.10.1.21.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.22.1  =  '\03\03\03\03\03'
1.3.6.1.4.1.674.10892.1.200.10.1.23.1  =  '\02\02\02\02\02\02'
1.3.6.1.4.1.674.10892.1.200.10.1.24.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.25.1  =  '\03\03\03\03\03\03'
1.3.6.1.4.1.674.10892.1.200.10.1.26.1  =  '\02\02\02\02'
1.3.6.1.4.1.674.10892.1.200.10.1.27.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.28.1  =  '\03\03\03\03'
1.3.6.1.4.1.674.10892.1.200.10.1.29.1  =  '\02'
1.3.6.1.4.1.674.10892.1.200.10.1.30.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.31.1  =  '\03'
1.3.6.1.4.1.674.10892.1.200.10.1.41.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.42.1  =  3
1.3.6.1.4.1.674.10892.1.200.10.1.43.1  =  '\03'
```

```
1.3.6.1.4.1.674.10892.1.300.10.1.1.1  =  1
1.3.6.1.4.1.674.10892.1.300.10.1.2.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.3.1  =  2
1.3.6.1.4.1.674.10892.1.300.10.1.4.1  =  3
1.3.6.1.4.1.674.10892.1.300.10.1.5.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.6.1  =  23
1.3.6.1.4.1.674.10892.1.300.10.1.7.1  =  'Main System Chassis'
1.3.6.1.4.1.674.10892.1.300.10.1.8.1  =  'Dell Inc.'
1.3.6.1.4.1.674.10892.1.300.10.1.9.1  =  'PowerEdge 2650'
1.3.6.1.4.1.674.10892.1.300.10.1.10.1  =  'ASSETTAG'
1.3.6.1.4.1.674.10892.1.300.10.1.11.1  =  '1234567'
1.3.6.1.4.1.674.10892.1.300.10.1.12.1  =  254
1.3.6.1.4.1.674.10892.1.300.10.1.13.1  =  289
1.3.6.1.4.1.674.10892.1.300.10.1.14.1  =  4
1.3.6.1.4.1.674.10892.1.300.10.1.15.1  =  'SERVER01'
1.3.6.1.4.1.674.10892.1.300.10.1.16.1  =  '20050513095213.000000-360'
1.3.6.1.4.1.674.10892.1.300.10.1.17.1  =  '20050513100052.000000-360'
1.3.6.1.4.1.674.10892.1.300.10.1.18.1  =  'Please set the value'
1.3.6.1.4.1.674.10892.1.300.10.1.19.1  =  'Please set the value'
1.3.6.1.4.1.674.10892.1.300.10.1.20.1  =  'Please set the value'
1.3.6.1.4.1.674.10892.1.300.10.1.21.1  =  3
1.3.6.1.4.1.674.10892.1.300.10.1.22.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.23.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.24.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.25.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.26.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.27.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.28.1  =  8
1.3.6.1.4.1.674.10892.1.300.10.1.29.1  =  2
```

```
1.3.6.1.4.1.674.10892.1.300.10.1.30.1  =  1
1.3.6.1.4.1.674.10892.1.300.10.1.31.1  =  15
1.3.6.1.4.1.674.10892.1.300.10.1.32.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.33.1  =  27
1.3.6.1.4.1.674.10892.1.300.10.1.34.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.35.1  =  1
1.3.6.1.4.1.674.10892.1.300.10.1.36.1  =  480
1.3.6.1.4.1.674.10892.1.300.10.1.37.1  =  1
1.3.6.1.4.1.674.10892.1.300.10.1.38.1  =  2
1.3.6.1.4.1.674.10892.1.300.10.1.39.1  =  2
1.3.6.1.4.1.674.10892.1.300.10.1.44.1  =  0
1.3.6.1.4.1.674.10892.1.300.10.1.45.1  =  0
1.3.6.1.4.1.674.10892.1.300.40.1.1.1.1  =  1
1.3.6.1.4.1.674.10892.1.300.40.1.2.1.1  =  1
1.3.6.1.4.1.674.10892.1.300.40.1.3.1.1  =  8
1.3.6.1.4.1.674.10892.1.300.40.1.4.1.1  =  2
1.3.6.1.4.1.674.10892.1.300.40.1.5.1.1  =  'Log cleared'
1.3.6.1.4.1.674.10892.1.300.40.1.6.1.1  =  2
1.3.6.1.4.1.674.10892.1.300.40.1.7.1.1  =  3
1.3.6.1.4.1.674.10892.1.300.40.1.8.1.1  =  '20050513100047.000000-360'
```

# Glossary

The following list defines or identifies technical terms, abbreviations, and acronyms used in Dell™ user documents.

**A**
Abbreviation for ampere(s).

**AC**
Abbreviation for alternating current.

**AC power switch**
A switch with two AC power inputs that provides AC power redundancy by failing over to a standby AC input in the event of a failure to the primary AC input.

**access**
Refers to the actions a user can take on a variable value. Examples include read-only and read-write.

**adapter card**
An expansion card that plugs into an expansion-card connector on the computer's system board. An adapter card adds some specialized function to the computer by providing an interface between the expansion bus and a peripheral device. Examples of adapter cards include network cards, sound cards, and SCSI adapters.

**ADB**
Abbreviation for assign database.

**AGP**
Abbreviation for Advanced Graphics Port. A high performance graphics interface becoming available for Pentium Pro systems.

**ASCII**
Acronym for American Standard Code for Information Interchange. A text file containing only characters from the ASCII character set (usually created with a text editor, such as Notepad in Microsoft® Windows®), is called an ASCII file.

**ASIC**
Acronym for application-specific integrated circuit.

**ASPI**
Advanced SCSI programming interface.

**ASR**
Abbreviation for automatic system recovery.

**asset tag code**
An individual code assigned to a computer, usually by a system administrator, for security or tracking purposes.

**attribute**
An attribute, or property, contains a specific piece of information related to a component. Attributes can be combined to form groups. If an attribute is defined as read-write, it may be defined by a management application.

**autoexec.bat file**
The **autoexec.bat** file is executed when you boot your computer (after executing any commands in the **config.sys** file). This start-up file contains commands that define the characteristics of each device connected to your computer, and it finds and executes programs stored in locations other than the active directory.

**backup**
A copy of a program or data file. As a precaution, you should back up your computer's hard drive on a regular basis. Before making a change to the configuration of your computer, you should back up important start-up files from your operating system.

**baud rate**
A measurement of data transmission speed. For example, modems are designed to transmit data at one or more specified baud rate(s) through the COM (serial) port of a computer.

**beep code**
A diagnostic message in the form of a pattern of beeps from your computer's speaker. For example, one beep, followed by a second beep, and then a burst of three beeps is beep code 1-1-3.

**BGA**
Abbreviation for Ball Grid Array, an IC package that uses an array of solder balls, instead of pins, to connect to a PC board.

**binary**
A base-2 numbering system that uses 0 and 1 to represent information. The computer performs operations based on the ordering and calculation of these numbers.

**BIOS**
Acronym for basic input/output system. Your computer's BIOS contains programs stored on a flash memory chip. The BIOS controls the following:

Communications between the microprocessor and peripheral devices, such as the keyboard and the video adapter

Miscellaneous functions, such as system messages

**bit**
The smallest unit of information interpreted by your computer.

**BMC**
Abbreviation for baseboard management controller, which is a controller that provides the intelligence in the IPMI structure.

**boot routine**
When you start your computer, it clears all memory, initializes devices, and loads the operating system. Unless the operating system fails to respond, you can reboot (also called *warm boot*) your computer by pressing <Ctrl><Alt><Del>; otherwise, you must perform a cold boot by pressing the reset button or by turning the computer off and then back on.

**bootable diskette**
You can start your computer from a diskette. To make a bootable diskette, insert a diskette in the diskette drive, type `sys a:` at the command line prompt, and press <Enter>. Use this bootable diskette if your computer will not boot from the hard drive.

**bpi**
Abbreviation for bits per inch.

**bps**
Abbreviation for bits per second.

**BTU**
Abbreviation for British thermal unit.

**bus**
An information pathway between the components of a computer. Your computer contains an expansion bus that allows the microprocessor to communicate with controllers for all the various peripheral devices connected to the computer. Your computer also contains an address bus and a data bus for communications between the microprocessor and RAM.

**byte**
Eight contiguous bits of information, the basic data unit used by your computer.

**C**
Abbreviation for Celsius.

**cache**
A fast storage area that keeps a copy of data or instructions for quicker data retrieval. For example, your computer's BIOS may cache ROM code in faster RAM. Or, a disk-cache utility may reserve RAM in which to store frequently accessed information from your computer's disk drives; when a program makes a request to a disk drive for data that is in the cache, the disk-cache utility can retrieve the data from RAM faster than from the disk drive.

**capability**
Refers to the actions that an object can perform, or actions that can be taken on a managed object. For example, if a card is hot-pluggable, it is capable of being replaced while the system power is ON.

**CDRAM**
Abbreviation for cached DRAM, which is a high-speed DRAM memory chip developed by Mitsubishi that includes a small SRAM cache.

**CD-ROM**
Abbreviation for compact disc read-only memory. CD drives use optical technology to read data from CDs. CDs are read-only storage devices; you cannot write new data to a CD with standard CD drives.

**chip**
A set of microminiaturized, electronic circuits that are designed for use as processors and memory in computers. Small chips can hold from a handful to tens of thousands of transistors. They look like tiny chips of aluminum, no more than 1/16" square by 1/30" thick, which is where the term "chip" came from. Large chips, which can be more than a half inch square, hold millions of transistors. It is actually only the top one thousandth of an inch of a chip's surface that holds the circuits. The rest of it is just a base.

**CIM**
Acronym for Common Information Model, which is a model for describing management information from the DMTF. CIM is implementation independent, allowing different management applications to collect the required data from a variety of sources. CIM includes schemas for systems, networks, applications and devices, and new schemas will be added. It provides mapping techniques for interchange of CIM data with MIB data from SNMP agents and MIF data from DMI-compliant systems.

**CIMOM**
Acronym for common information model object manager.

**CI/O**
Acronym for comprehensive input/output.

**CMOS**
Acronym for complementary metal-oxide semiconductor. In computers, CMOS memory chips are often used for NVRAM storage.

**COM*n***
The device names for the first through fourth serial ports on your computer are COM1, COM2, COM3, and COM4. The default interrupt for COM1 and COM3 is IRQ4, and the default interrupt for COM2 and COM4 is IRQ3. Therefore, you must be careful when configuring software that runs a serial device so that you don't create an interrupt conflict.

**component**
As they relate to DMI, manageable components are operating systems, computer systems, expansion cards, or peripherals that are compatible with DMI. Each component is made up of groups and attributes that are defined as relevant to that component.

**config.sys file**
The **config.sys** file is executed when you boot your computer (before running any commands in the **autoexec.bat** file). This start-up file contains commands that specify which devices to install and which drivers

to use. This file also contains commands that determine how the operating system uses memory and controls files.

**controller**
A chip that controls the transfer of data between the microprocessor and memory or between the microprocessor and a peripheral device such as a disk drive or the keyboard.

**control panel**
The part of the computer that contains indicators and controls, such as the power switch, hard drive access indicator, and power indicator.

**conventional memory**
The first 640 KB of RAM. Conventional memory is found in all computers.

**COO**
Acronym for cost of ownership.

**cooling unit**
Sets of fans or other cooling devices in a system chassis.

**coprocessor**
A chip that relieves the computer's microprocessor of specific processing tasks. A math coprocessor, for example, handles numeric processing. A graphics coprocessor handles video rendering. The Intel® Pentium® microprocessor, for example, includes a built-in math coprocessor.

**cpi**
Abbreviation for characters per inch.

**CPU**
Abbreviation for central processing unit. See also microprocessor.

**CRC**
Abbreviation for cyclic redundancy code, which is a number derived from, and stored or transmitted with, a block of data in order to detect corruption. By recalculating the CRC and comparing it to the value originally transmitted, the receiver can detect some types of transmission errors.

**cursor**
A marker, such as a block, underscore, or pointer that represents the position at which the next keyboard or mouse action will occur.

**DAT**
Acronym for digital audio tape.

**dB**
Abbreviation for decibel(s).

**dBA**
Abbreviation for adjusted decibel(s).

**DC**
Abbreviation for direct current.

**device driver**
A program that allows the operating system or some other program to interface correctly with a peripheral device, such as a printer. Some device drivers—such as network drivers—must be loaded from the **config.sys** file (with a **device=** statement) or as memory-resident programs (usually, from the **autoexec.bat** file). Others—such as video drivers—must load when you start the program for which they were designed.

**DIMM**
Acronym for dual in-line memory module. A small circuit board containing DRAM chips that connects to the system board.

**DIN**
Acronym for *Deutsche Industrie Norm* which is the standards-setting organization for Germany.

A DIN connector is a connector that conforms to one of the many standards defined by DIN. DIN connectors are used widely in personal computers. For example, the keyboard connector for PCs is a DIN connector.

**DIP**
Acronym for dual in-line package. A circuit board, such as a system board or expansion card, may contain DIP switches for configuring the circuit board. DIP switches are always toggle switches, with an ON position and an OFF position.

**directory**
Directories help keep related files organized on a disk in a hierarchical, "inverted tree" structure. Each disk has a "root" directory; for example, a `C:\>` prompt normally indicates that you are at the root directory of hard-drive C. Additional directories that branch off of the root directory are called *subdirectories*. Subdirectories may contain additional directories branching off of them.

**display adapter**
See video adapter.

**DMA**
Abbreviation for direct memory access. A DMA channel allows certain types of data transfer between RAM and a device to bypass the microprocessor.

**DMI**
Abbreviation for Desktop Management Interface. DMI enables the management of your computer system's software and hardware. DMI collects information about the system's components, such as the operating system, memory, peripherals, expansion cards, and asset tag. Information about the system's components is displayed as a MIF file or through the Dell Inspector program.

**DMTF**
Abbreviation for Distributed Management Task Force, a consortium of companies representing hardware and software providers, of which Dell is a member.

**dpi**
Abbreviation for dots per inch.

**DPMS**
Abbreviation for Display Power Management Signaling. A standard developed by the Video Electronics Standards Association (VESA®) that defines the hardware signals sent by a video controller to activate power management states in a monitor. A monitor is said to be DPMS-compliant when it is designed to enter a power management state after receiving the appropriate signal from a computer's video controller.

**DRAC**
Abbreviation for Dell Remote Access Card.

**DRAM**
Acronym for dynamic random-access memory. A computer's RAM is usually made up entirely of DRAM chips. Because DRAM chips cannot store an electrical charge indefinitely, your computer continually refreshes each DRAM chip in the computer.

**drive-type number**
Your computer can recognize a number of specific hard drives. Each is assigned a drive-type number that is stored in NVRAM. The hard drive(s) specified in your computer's System Setup program must match the actual drive(s) installed in the computer. The System Setup program also allows you to specify physical parameters (logical cylinders, logical heads, cylinder number, and logical sectors per pack) for drives not included in the table of drive types stored in NVRAM.

**DTE**
Abbreviation for data terminal equipment. Any device, such as a computer system, that can send data in digital form by means of a cable or communications line. The DTE is connected to the cable or communications line through a data communications equipment (DCE) device, such as a modem.

**ECC**
Abbreviation for error checking and correction.

**ECP**
Abbreviation for Extended Capabilities Port.

**EDO**
Acronym for extended data output dynamic random access memory which is a type of DRAM that is faster than conventional DRAM. EDO RAM can start fetching the next block of memory at the same time that it sends the previous block to the CPU.

**EEPROM**
Acronym for electrically erasable programmable read-only memory.

**EIDE**
Abbreviation for enhanced integrated drive electronics. EIDE devices add one or more of the following enhancements to the traditional IDE standard:

Data transfer rates of up to 16 MB/sec

Support for drives other than just hard drives, such as CD and tape drives

Support for hard drives with capacities greater than 528 MB

Support for up to two controllers, each with up to two devices attached

**EISA**
Acronym for Extended Industry-Standard Architecture, a 32-bit expansion-bus design. The expansion-card connectors in an EISA computer are also compatible with 8- or 16-bit ISA expansion cards.

To avoid a configuration conflict when installing an EISA expansion card, you must use the EISA Configuration Utility. This utility allows you to specify which expansion slot contains the card and obtains information about the card's required system resources from a corresponding EISA configuration file.

**EMC**
Abbreviation for Electromagnetic Compatibility.

**EMI**
Abbreviation for electromagnetic interference.

**EMM**
Abbreviation for expanded memory manager. A utility that uses extended memory to emulate expanded memory on computers with an Intel386™ or higher microprocessor.

**EMS**
Abbreviation for Expanded Memory Specification.

**EPP**
Abbreviation for Enhanced Parallel Port which provides improved bidirectional data transmission. Many devices are designed to take advantage of the EPP standard, especially devices, such as network or SCSI adapters that connect to the parallel port of a portable computer.

**EPROM**
Acronym for erasable programmable read-only memory.

**ESD**
Abbreviation for electrostatic discharge.

**ESM**
Abbreviation for Embedded Systems Management.

**expanded memory**
A technique for accessing RAM above 1 MB. To enable expanded memory on your computer, you must use an EMM. You should configure your system to support expanded memory only if you run application programs that can use (or require) expanded memory.

**expansion bus**
Your computer contains an expansion bus that allows the microprocessor to communicate with controllers for peripheral devices, such as a network card or an internal modem.

**expansion-card connector**
A connector on the computer's system board or riser board for plugging in an expansion card.

**extended memory**
RAM above 1 MB. Most software that can use it, such as the Windows operating system, requires that extended memory be under the control of an XMM.

**external cache memory**
A RAM cache using SRAM chips. Because SRAM chips operate at several times the speed of DRAM chips, the microprocessor can retrieve data and instructions faster from external cache memory than from RAM.

**F**
Abbreviation for Fahrenheit.

**FAT**
Acronym for file allocation table. The Windows NT® operating systems can optionally use a FAT file system structure.

**FCC**
Abbreviation for Federal Communications Commission.

**FEPROM**
Acronym for Flash Erasable Programmable Read-Only Memory. Flash memory is a kind of non-volatile storage device similar to EEPROM, but the erasing is done only in blocks or the entire chip.

**flash BIOS**
A PC BIOS that is stored in flash memory rather than in a ROM. A flash BIOS chip can be updated in place, whereas a ROM BIOS must be replaced with a newer chip.

**flash memory**
A type of EEPROM chip that can be reprogrammed from a utility on diskette while still installed in a computer; most EEPROM chips can only be rewritten with special programming equipment.

**format**
To prepare a hard drive or diskette for storing files. An unconditional format deletes all data stored on the disk.

**FPBGA**
Acronym for field programmable gate array, a programmable logic chip (PLD) with a high density of gates.

**FRU**
Acronym for field replaceable unit.

**ft**
Abbreviation for feet.

**FTP**
Abbreviation for file transfer protocol.

**g**
Abbreviation for gram(s).

**G**
Abbreviation for gravities.

**GB**
Abbreviation for gigabyte(s). A gigabyte equals 1,024 megabytes or 1,073,741,824 bytes.

**graphics coprocessor**
See coprocessor.

**graphics mode**
A video mode that can be defined as *x* horizontal by *y* vertical pixels by *z* colors.

**group**
As it relates to DMI, a group is a data structure that defines common information, or attributes, about a manageable component.

**GTL**
Abbreviation for ground termination logic.

**GUI**
Acronym for graphical user interface.

**h**
Abbreviation for hexadecimal. A base-16 numbering system, often used in programming to identify addresses in the computer's RAM and I/O memory addresses for devices. The sequence of decimal numbers from 0 through 16, for example, is expressed in hexadecimal notation as: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, 10. In text, hexadecimal numbers are often followed by *h*.

**heat sink**
A metal plate with metal pegs or ribs that help dissipate heat. Most microprocessors include a heat sink.

**HIP**
Abbreviation for Hardware Instrumentation Package (HIP).

**HMA**
Abbreviation for high memory area. The first 64 KB of extended memory above 1 MB. A memory manager that conforms to the XMS can make the HMA a direct extension of conventional memory. See also upper memory area and XMM.

**host adapter**
A host adapter implements communication between the computer's bus and the controller for a peripheral device. (hard-drive controller subsystems include integrated host adapter circuitry.) To add a SCSI expansion bus to your system, you must install or connect the appropriate host adapter.

**hot plug**
The ability to remove and replace a redundant part while the system is being used. Also called a "hot spare."

**HPFS**
Abbreviation for the High Performance File System option in the Windows NT operating systems.

**Hz**
Abbreviation for hertz.

**ICES**
Abbreviation for Interface-Causing Equipment Standard (in Canada).

**ICU**
Abbreviation for ISA Configuration Utility.

**IDE**
Abbreviation for Integrated Device Electronics. IDE is a computer system interface, used primarily for hard drives and CDs.

**I/O**
Abbreviation for input/output. The keyboard is an input device, and a printer is an output device. In general, I/O activity can be differentiated from computational activity. For example, when a program sends a document to the printer, it is engaging in output activity; when the program sorts a list of terms, it is engaging in computational activity.

**ID**
Abbreviation for identification.

**IHV**
Acronym for independent hardware vendor. IHVs often develop their own MIBs for components that they manufacture.

**interlacing**
A technique for increasing video resolution by only updating alternate horizontal lines on the screen. Because interlacing can result in noticeable screen flicker, most users prefer noninterlaced video adapter resolutions.

**internal microprocessor cache**
An instruction and data cache built in to the microprocessor. The Intel Pentium microprocessor includes a 16-KB internal cache, which is set up as an 8-KB read-only instruction cache and an 8-KB read/write data cache.

**IP Address**
Abbreviation for Internet Protocol address. See TCP/IP.

**IPMI**
Abbreviation for Intelligent Platform Management Interface, which is an industry standard for management of peripherals used in enterprise computers based on Intel architecture. The key characteristic of IPMI is that inventory, monitoring, logging, and recovery control functions are available independent of the main processors, BIOS, and operating system.

**IPX**
Acronym for internetwork packet exchange.

**IRQ**
Abbreviation for interrupt request. A signal that data is about to be sent to or received by a peripheral device travels by an IRQ line to the microprocessor. Each peripheral connection must be assigned an IRQ number. For example, the first serial port in your computer (COM1) is assigned to IRQ4 by default. Two devices can share the same IRQ assignment, but you cannot operate both devices simultaneously.

**ISA**
Acronym for Industry-Standard Architecture. A 16-bit expansion bus design. The expansion-card connectors in an ISA computer are also compatible with 8-bit ISA expansion cards.

**ITE**
Abbreviation for information technology equipment.

**jumper**
Jumpers are small blocks on a circuit board with two or more pins emerging from them. Plastic plugs containing a wire fit down over the pins. The wire connects the pins and creates a circuit. Jumpers provide a simple and reversible method of changing the circuitry in a printed circuit board.

**K**
Abbreviation for kilo-, indicating 1,000.

**KB**
Abbreviation for kilobyte(s), 1,024 bytes.

**KB/sec**
Abbreviation for kilobyte(s) per second.

**Kbit(s)**
Abbreviation for kilobit(s), 1,024 bits.

**Kbit(s)/sec**
Abbreviation for kilobit(s) per second.

**key combination**
A command requiring you to press multiple keys at the same time. For example, you can reboot your computer by pressing the <Ctrl><Alt><Del> key combination.

**kg**
Abbreviation for kilogram(s), 1,000 grams.

**kHz**
Abbreviation for kilohertz, 1,000 hertz.

**LAN**
Acronym for local area network. A LAN system is usually confined to the same building or a few nearby buildings, with all equipment linked by wiring dedicated specifically to the LAN.

**lb**
Abbreviation for pound(s).

**LCC**
Acronym for leaded or leadless chip carrier.

**LIF**
Acronym for low insertion force. Some computers use LIF sockets and connectors to allow devices, such as the microprocessor chip, to be installed or removed with minimal stress to the device.

**LED**
Abbreviation for light-emitting diode. An electronic device that lights up when a current is passed through it.

**local bus**
On a computer with local-bus expansion capability, certain peripheral devices (such as the video adapter circuitry) can be designed to run much faster than they would with a traditional expansion bus. Some local-bus designs allow peripherals to run at the same speed and with the same width data path as the computer's microprocessor.

**LPTn**
The device names for the first through third parallel printer ports on your computer are LPT1, LPT2, and LPT3.

**LRA**
Acronym for local response agent.

**m**
Abbreviation for meter(s).

**mA**
Abbreviation for milliampere(s).

**mAh**
Abbreviation for milliampere-hour(s).

**math coprocessor**
See coprocessor.

**Mb**
Abbreviation for megabit.

**MB**
Abbreviation for megabyte(s). The term *megabyte* means 1,048,576 bytes; however, when referring to hard-drive storage, the term is often rounded to mean 1,000,000 bytes.

**MB/sec**
Abbreviation for megabytes per second.

**Mbps**
Abbreviation for megabits per second.

**MBR**
Abbreviation for master boot record.

**MCA**
Abbreviation for Micro Channel Architecture, which is designed for multiprocessing. MCA eliminates potential conflicts that arise when installing new peripheral devices. MCA is not compatible with either EISA or XT bus architecture, so older cards cannot be used with it.

**memory**
A computer can contain several different forms of memory, such as RAM, ROM, and video memory. Frequently, the word *memory* is used as a synonym for RAM; for example, an unqualified statement such as "a computer with 16 MB of memory" refers to a computer with 16 MB of RAM.

**memory address**
A specific location, usually expressed as a hexadecimal number, in the computer's RAM.

**memory manager**
A utility that controls the implementation of memory in addition to conventional memory, such as extended or expanded memory.

**memory module**
A small circuit board containing DRAM chips that connects to the system board.

**MHz**
Abbreviation for megahertz.

**MIB**
Acronym for management information base. MIB is used to send detailed status/commands from or to an SNMP managed device.

**microprocessor**
The primary computational chip inside the computer that controls the interpretation and execution of arithmetic and logic functions. Software written for one microprocessor must usually be revised to run on another microprocessor. *CPU* is a synonym for microprocessor.

**MIDI**
Abbreviation for musical instrument digital interface.

**MIF**
Acronym for management information format. A MIF file contains information, status, and links to component instrumentation. MIF files are installed into the MIF database by the DMI service layer. The content of a MIF is defined by a DTMF working committee and is published in the form of a MIF definition document. This document identifies the groups and attributes that are relevant to DMI-manageable components.

**mm**
Abbreviation for millimeter(s).

**modem**
A device that allows your computer to communicate with other computers over telephone lines.

**MOF**
Acronym for managed object format, which is an ASCII file that contains the formal definition of a CIM schema.

**mouse**
A pointing device that controls the movement of the cursor on a screen. Mouse-aware software allows you to activate commands by clicking a mouse button while pointing at objects displayed on the screen.

**MPEG**
Acronym for Motion Picture Experts Group. MPEG is a digital video file format.

**ms**
Abbreviation for millisecond(s).

**MTBF**
Abbreviation for mean time between failures.

**multifrequency monitor**
A monitor that supports several video standards. A multifrequency monitor can adjust to the frequency range of the signal from a variety of video adapters.

**mV**
Abbreviation for millivolt(s).

**name**
The name of an object or variable is the exact string that identifies it in an SNMP Management Information Base (MIB) file, or in a DMI Management Information Format (MIF) file, or in a CIM Management Object File (MOF).

**NDIS**
Abbreviation for Network Driver Interface Specification.

**NIC**
Acronym for network interface controller.

**NIF**
Acronym for network interface function. This term is equivalent to NIC.

**NMI**
Abbreviation for nonmaskable interrupt. A device sends an NMI to signal the microprocessor about hardware errors, such as a parity error.

**noninterlaced**
A technique for decreasing screen flicker by sequentially refreshing each horizontal line on the screen.

**ns**
Abbreviation for nanosecond(s), one billionth of a second.

**NTFS**
Abbreviation for the NT File System option in the Windows NT operating system.

**NuBus**
Proprietary expansion bus used on Apple Macintosh personal computers.

**NVRAM**
Acronym for nonvolatile random-access memory. Memory that does not lose its contents when you turn off your computer. NVRAM is used for maintaining the date, time, and system configuration information.

**OID**
Abbreviation for object identifier. An implementation-specific integer or pointer that uniquely identifies an object.

**online access service**
A service that typically provides access to the Internet, E-mail, bulletin boards, chat rooms, and file libraries.

**OTP**
Abbreviation for one-time programmable.

**parallel port**
An I/O port used most often to connect a parallel printer to your computer. You can usually identify a parallel port on your computer by its 25-hole connector.

**parameter**
A value or option that you specify to a program. A parameter is sometimes called a *switch* or an *argument*.

**partition**
You can divide a hard drive into multiple physical sections called *partitions* with the **fdisk** command. Each partition can contain multiple logical drives.

After partitioning the hard drive, you must format each logical drive with the **format** command.

**PC 98**
The third PC 9x specification, which defines five categories (Consumer, Office, Mobile, Entertainment and Workstation). It eliminates the ISA bus and pushes the minimum requirements to a 200MHz CPU with 32MB of RAM and 256K of L2 cache. PC 98 machines must support OnNow, and the BIOS must support booting from a CD and be Y2K compliant. Systems cannot ship with ISA cards installed, but may have an ISA bus for legacy devices.

**PC card**
A credit-card sized, removable module for portable computers standardized by PCMCIA. PC Cards are also known as "PCMCIA cards." PC Cards are 16-bit devices that are used to attach modems, network adapters, sound cards, radio transceivers, solid state disks and hard disks to a portable computer. The PC Card is a "plug and play" device, which is configured automatically by the Card Services software.

**PCI**
Abbreviation for Peripheral Component Interconnect. A standard for local-bus implementation developed by Intel Corporation.

**PCIX**
Abbreviation for PCI extended.

**PCMCIA**
Personal Computer Memory Card International Association. An international trade association that has developed standards for devices, such as modems and external hard drives, that can be plugged into portable computers.

**PERC**
Acronym for PowerEdge Expandible RAID controller.

**peripheral device**
An internal or external device—such as a printer, a disk drive, or a keyboard—connected to a computer.

**PGA**
Abbreviation for pin grid array, a type of microprocessor socket that allows you to remove the microprocessor chip.

**physical memory array**
The physical memory array is the entire physical memory of a system. Variables for physical memory array include maximum size, total number of memory slots on the motherboard, and total number of slots in use.

**physical memory array mapped**
The physical memory array mapped refers to the way physical memory is divided. For example, one mapped area may have 640 KB and the other mapped area may have between 1 Megabyte and 127 Megabytes.

**PIC**
Acronym for programmable interrupt controller.

**PIP**
Acronym for peripheral interchange program. A CP/M utility program that was used to copy files.

**pixel**
A single point on a video display. Pixels are arranged in rows and columns to create an image. A video resolution, such as 640 x 480, is expressed as the number of pixels across by the number of pixels up and down.

**PLCC**
Acronym for plastic leaded chip carrier.

**Plug and Play**
An industry-standard specification that makes it easier to add hardware devices to personal computers. Plug and Play provides automatic installation and configuration, compatibility with existing hardware, and dynamic support of mobile computing environments.

**PME**
Abbreviation for Power Management Event. A PME is a pin on a peripheral component interconnect that allows a PCI device to assert a wake event.

**POST**
Acronym for power-on self-test. Before the operating system loads when you turn on your computer, the POST tests various system components such as RAM, the disk drives, and the keyboard.

**power supply**
An electrical system that converts AC current from the wall outlet into the DC currents required by the computer circuitry. The power supply in a personal computer typically generates multiple voltages.

**power unit**
A set of power supplies in a system chassis.

**ppm**
Abbreviation for pages per minute.

**PQFP**
Abbreviation for plastic quad flat pack, a type of microprocessor socket in which the microprocessor chip is permanently mounted.

**protected mode**
An operating mode supported by 80286 or higher microprocessors, protected mode allows operating systems to implement:

- A memory address space of 16 MB (80286 microprocessor) to 4 GB (Intel386 or higher microprocessor)
- Multitasking
- Virtual memory, a method for increasing addressable memory by using the hard drive

Windows, OS/2, and UNIX® 32-bit operating systems run in protected mode.

**provider**
A provider is an extension of a CIM schema that communicates with managed objects and accesses data and event notifications from a variety of sources. Providers forward this information to the CIM Object Manager for integration and interpretation.

**PS/2**
Abbreviation for Personal System/2.

**PXE**
Abbreviation for Pre-boot eXecution Environment.

**QFP**
Acronym for quad flat pack.

**RAID**
Acronym for redundant array of independent drives.

**RAM**
Acronym for random-access memory. The computer's primary temporary storage area for program instructions and data. Each location in RAM is identified by a number called a *memory address*. Any information stored in RAM is lost when you turn off your computer.

**RAMBUS**
Acronym for Rambus DRAM, a type of memory (DRAM) developed by Rambus, Inc.

**RAMDAC**
Acronym for random-access memory digital-to-analog converter.

**RAW**
Unprocessed. The term refers to data that is passed along to an I/O device without being interpreted. In contrast, *cooked* refers to data that is processed before being passed to the I/O device.

It often refers to uncompressed text that is not stored in any proprietary format. The term comes from UNIX, which supports cooked and raw modes for data output to a terminal.

**RDRAM**
Acronym for Rambus DRAM. A dynamic RAM chip technology from Rambus, Inc. Direct RDRAMs are used in computers. Direct RDRAM chips are housed in RIMM modules, which are similar to DIMMs but have different pin settings. The chips can be built with dual channels, doubling the transfer rate to 3.2 GB/sec.

**read-only file**
A read-only file is one that you are prohibited from editing or deleting. A file can have read-only status if:

Its read-only attribute is enabled.

It resides on a physically write-protected diskette or on a diskette in a write-protected drive.

It is located on a network in a directory to which the system administrator has assigned read-only rights to you.

**readme file**
A text file included with a software package or hardware product that contains information supplementing or updating the documentation for the software or hardware. Typically, readme files provide installation information, describe new product enhancements or corrections that have not yet been documented, and list known problems or other things you need to be aware of as you use the software or hardware.

**real mode**
An operating mode supported by 80286 or higher microprocessors, real mode imitates the architecture of an 8086 microprocessor.

**refresh rate**
The rate at which the monitor redraws the video image on the monitor screen. More precisely, the refresh rate is the frequency, measured in Hz, at which the screen's horizontal lines are recharged (sometimes also referred to as its *vertical frequency*). The higher the refresh rate, the less video flicker can be seen by the human eye. The higher refresh rates are also noninterlaced.

**RFI**
Abbreviation for radio frequency interference.

**RGB**
Abbreviation for red/green/blue.

**RIMM**
Acronym for Rambus In-line Memory Module, which is the Rambus equivalent of a DIMM module.

**ROM**
Acronym for read-only memory. Your computer contains some programs essential to its operation in ROM code. Unlike RAM, a ROM chip retains its contents even after you turn off your computer. Examples of code in ROM include the program that initiates your computer's boot routine and the POST.

**rpm**
Abbreviation for revolutions per minute.

**RTC**
Abbreviation for real-time clock. Battery-powered clock circuitry inside the computer that keeps the date and time after you turn off the computer.

**SAS**
Acronym for Serial Attached SCSI.

**SCA**
Acronym for single connector attachment.

**schema**
A collection of class definitions that describes managed objects in a particular environment. A CIM schema is a collection of class definitions used to represent managed objects that are common to every management environment, which is why CIM is called the Common Information Model.

**SCSI**
Acronym for small computer system interface. An I/O bus interface with faster data transmission rates than standard ports. You can connect up to seven devices (15 for some newer SCSI types) to one SCSI interface.

**SDMS**
Abbreviation for SCSI device management system.

**sec**
Abbreviation for second(s).

**SEC**
Abbreviation for single-edge contact.

**serial port**
An I/O port used most often to connect a modem to your computer. You can usually identify a serial port on your computer by its 9-pin connector.

**settings**
Settings are conditions of a manageable object help to 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 results in an alert being sent to the management console so that user intervention can be taken. Some settings, when reached, can trigger a system shutdown or other response that can prevent damage to the system.

**service tag number**
A bar code label on the computer that identifies it when you call Dell for customer or technical support.

**SGRAM**
Acronym for synchronous graphics RAM.

**shadowing**
A computer's system and video BIOS code is usually stored on ROM chips. Shadowing refers to the performance-enhancement technique that copies BIOS code to faster RAM chips in the upper memory area (above 640 KB) during the boot routine.

**SIMD**
Abbreviation for Single Instruction Multiple Data.

**SIMM**
Acronym for single in-line memory module. A small circuit board containing DRAM chips that connects to the system board.

**SIP**
Acronym for single in-line package, which is a type of housing for electronic components in which the connecting pins protrude from one side. A SIP is also called a Single In-line Pin Package (SIPP).

**SKU**
Acronym for stock keeping unit.

**SMART**
Acronym for Self-Monitoring Analysis Reporting Technology. A technology that allows hard drives to report errors and failures to the system BIOS, which then displays an error message on the screen. To take advantage of this technology, you must have a SMART-compliant hard drive and the proper support in the system BIOS.

**SMBIOS**
Acronym for system management BIOS.

**SMD**
Acronym for surface mount device.

**SNMP**
Abbreviation for Simple Network Management Protocol. SNMP is an industry-standard interface that allows a network manager to remotely monitor and manage workstations.

**SODIMM**
Acronym for small outline-DIMM. A DIMM module with a thinner profile due to the use of TSOP chip packages. SODIMMs are commonly used in laptop computers.

**SOIC**
Acronym for Small Outline IC, a small-dimension, plastic, rectangular, surface mount chip package that uses gull-wing pins extending outward.

**SOJ**
Acronym for small outline package J-lead, a small-dimension, plastic, rectangular surface mount chip package with j-shaped pins on its two long sides.

**SRAM**
Abbreviation for static random-access memory. Because SRAM chips do not require continual refreshing, they are substantially faster than DRAM chips.

**state**
Refers to the condition of an object that can have more than one condition. For example, an object may be in the "not ready" state.

**status**
Refers to the health or functioning of an object. For example, a temperature probe can have the status normal if the probe is measuring acceptable temperatures. When the probe begins reading temperatures that exceed limits set by the user, it reports a critical status.

**SVGA**
Abbreviation for super video graphics array. VGA and SVGA are video standards for video adapters with greater resolution and color display capabilities than previous standards.

To display a program at a specific resolution, you must install the appropriate video drivers and your monitor must support the resolution. Similarly, the number of colors that a program can display depends on the capabilities of the monitor, the video driver, and the amount of video memory installed in the computer.

**switch**
On a computer system board, switches control various circuits or functions in your computer system. These switches are known as *DIP switches*; they are normally packaged in groups of two or more switches in a plastic case. Two common DIP switches are used on system boards: *slide* switches and *rocker* switches. The names of the switches are based on how the settings (on and off) of the switches are changed.

**syntax**
The rules that dictate how you must type a command or instruction so that the computer understands it. A variable's syntax indicates its data type.

**system board**
As the main circuit board, the system board usually contains most of your computer's integral components, such as the following:

- Microprocessor
- RAM
- Controllers for standard peripheral devices, such as the keyboard
- Various ROM chips

Frequently used synonyms for system board are *motherboard* and *logic board*.

**system configuration information**
Data stored in memory that tells a computer what hardware is installed and how the computer should be configured for operation.

**system diskette**
System diskette is a synonym for *bootable diskette*.

**system memory**
System memory is a synonym for *RAM*.

**System Setup program**
A BIOS-based program that allows you to configure your computer's hardware and customize the computer's operation by setting such features as password protection and energy management. Some options in the System Setup program require that you reboot the computer (or the computer may reboot automatically) in order to make a hardware configuration change. Because the System Setup program is stored in NVRAM, any settings remain in effect until you change them again.

**system.ini file**
A start-up file for the Windows operating system. When you start Windows, it consults the **system.ini** file to determine a variety of options for the Windows operating environment. Among other things, the **system.ini** file records which video, mouse, and keyboard drivers are installed for Windows.

Running the Control Panel or Windows Setup program may change options in the **system.ini** file. On other occasions, you may need to change or add options to the **system.ini** file manually with a text editor, such as Notepad.

**table**
In SNMP MIBs, a table is a two dimensional array that describes the variables that make up a managed object.

**TCP/IP**
Abbreviation for Transmission Control Protocol/Internet Protocol. A system for transferring information over a computer network containing dissimilar systems, such as systems running Windows and UNIX.

**termination**
Some devices (such as the last device at each end of a SCSI cable) must be terminated to prevent reflections and spurious signals in the cable. When such devices are connected in a series, you may need to enable or disable the termination on these devices by changing jumper or switch settings on the devices or by changing settings in the configuration software for the devices.

**text editor**
An application program for editing text files consisting exclusively of ASCII characters. Windows Notepad is a text editor, for example. Most word processors use proprietary file formats containing binary characters, although some can read and write text files.

**text mode**
A video mode that can be defined as *x* columns by *y* rows of characters.

**threshold values**
Systems are normally equipped with various sensors that monitor temperature, voltage, current, and fan speed. The sensor's threshold values specify the ranges (min and max values) for determining whether the sensor is operating under normal, noncritical, critical or fatal conditions. Dell-supported threshold values are

UpperThresholdFatal

UpperThresholdCritical

UpperThresholdNon-critical

Normal

LowerThresholdNon-critical

LowerThresholdCritical

LowerThresholdFatal

**time-out**
A specified period of system inactivity that must occur before an energy conservation feature is activated.

**tpi**
Abbreviation for tracks per inch.

**TQFP**
Acronym for thin quad flat pack.

**TSR**
Abbreviation for terminate-and-stay-resident. A TSR program runs "in the background." Most TSR programs implement a predefined key combination (sometimes referred to as a *hot key*) that allows you to activate the TSR program's interface while running another program. When you finish using the TSR program, you can return to the other application program and leave the TSR program resident in memory for later use.

TSR programs can sometimes cause memory conflicts. When troubleshooting, rule out the possibility of such a conflict by rebooting your computer without starting any TSR programs.

**TSOP**
Acronym for thin small outline package. A very-thin, plastic, rectangular surface mount chip package with gull-wing pins on its two short sides. TSOPs are about a third as thick as SOJ chips.

**UART**
Acronym for universal asynchronous receiver transmitter, the electronic circuit that makes up the serial port.

**UDP**
Acronym for user datagram protocol.

**UL**
Abbreviation for Underwriters Laboratories.

**UMB**
Abbreviation for upper memory blocks.

**unicode**
A fixed width, 16-bit world wide character encoding, developed and maintained by the Unicode Consortium.

**upper memory area**
The 384 KB of RAM located between 640 KB and 1 MB. If the computer has an Intel386 or higher microprocessor, a utility called a *memory manager* can create UMBs in the upper memory area, in which you can load device drivers and memory-resident programs.

**UPS**
Abbreviation for uninterruptible power supply. A battery-powered unit that automatically supplies power to your computer in the event of an electrical failure.

**USB**
Abbreviation for Universal Serial Bus. A USB connector provides a single connection point for multiple USB-compliant devices, such as mice, keyboards, printers, and computer speakers. USB devices can also be connected and disconnected while the system is running.

**utility**
A program used to manage system resources—memory, disk drives, or printers, for example.

**UTP**
Abbreviation for unshielded twisted pair.

**UUID**
Acronym for Universal Unique Identification.

**V**
Abbreviation for volt(s).

**VAC**
Abbreviation for volt(s) alternating current.

**varbind**
An algorithm used to assign and object identifier or OID. The varbind gives rules for arriving at the decimal prefix that uniquely identifies an enterprise, as well as the formula for specifying a unique identifier for the objects defined in that enterprise's MIB.

**variable**
A component of a managed object. A temperature probe, for example, has a variable to describe its capabilities, its health or status, and certain indexes that you can use to help you in locating the right temperature probe.

**VCCI**
Abbreviation for Voluntary Control Council for Interference.

**VCR**
Abbreviation for video cassette recorder.

**VDC**
Abbreviation for volt(s) direct current.

**VESA**
Acronym for Video Electronics Standards Association.

**VGA**
Abbreviation for video graphics array. VGA and SVGA are video standards for video adapters with greater resolution and color display capabilities than previous standards. To display a program at a specific resolution, you must install the appropriate video drivers and your monitor must support the resolution. Similarly, the number of colors that a program can display depends on the capabilities of the monitor, the video driver, and the amount of video memory installed for the video adapter.

**VGA feature connector**
On some systems with a built-in VGA video adapter, a VGA feature connector allows you to add an enhancement adapter, such as a video accelerator, to your computer. A VGA feature connector can also be called a VGA *pass-through connector*.

**video adapter**
The logical circuitry that provides—in combination with the monitor—your computer's video capabilities. A video adapter may support more or fewer features than a specific monitor offers. Typically, a video adapter comes with video drivers for displaying popular application programs and operating systems in a variety of video modes.

On some Dell computers, a video adapter is integrated into the system board. Also available are many video adapter cards that plug into an expansion-card connector.

Video adapters often include memory separate from RAM on the system board. The amount of video memory, along with the adapter's video drivers, may affect the number of colors that can be simultaneously displayed. Video adapters can also include their own coprocessor for faster graphics rendering.

**video driver**
A program that allows graphics-mode application programs and operating systems to display at a chosen resolution with the desired number of colors. A software package may include some "generic" video drivers. Any additional video drivers may need to match the video adapter installed in the computer.

**video memory**
Most VGA and SVGA video adapters include memory chips in addition to your computer's RAM. The amount of video memory installed primarily influences the number of colors that a program can display (with the appropriate video drivers and monitor capabilities).

**video mode**
Video adapters normally support multiple text and graphics display modes. Character-based software displays in text modes that can be defined as *x* columns by *y* rows of characters. Graphics-based software displays in graphics modes that can be defined as *x* horizontal by *y* vertical pixels by *z* colors.

**video resolution**
Video resolution—800 x 600, for example—is expressed as the number of pixels across by the number of pixels up and down. To display a program at a specific graphics resolution, you must install the appropriate video drivers and your monitor must support the resolution.

**virtual memory**
A method for increasing addressable RAM by using the hard drive. For example, in a computer with 16 MB of RAM and 16 MB of virtual memory set up on the hard drive, the operating system would manage the system as though it had 32 MB of physical RAM.

**virus**
A self-starting program designed to inconvenience you. Virus programs have been known to corrupt the files stored on a hard drive or to replicate themselves until a computer or network runs out of memory.

The most common way that virus programs move from one computer to another is via "infected" diskettes, from which they copy themselves to the hard drive. To guard against virus programs, you should do the following:

- Periodically run a virus-checking utility on your computer's hard drive
- Always run a virus-checking utility on any diskettes (including commercially sold software) before using them

**VLSI**
Abbreviation for very-large-scale integration.

**VLVESA**
Acronym for very low voltage enterprise system architecture.

**vpp**
Abbreviation for peak-point voltage.

**VRAM**
Acronym for video random-access memory. Some video adapters use VRAM chips (or a combination of VRAM and DRAM) to improve video performance. VRAM is dual-ported, allowing the video adapter to update the screen and receive new image data at the same time.

**VRM**
Abbreviation for voltage regulator module.

**W**
Abbreviation for watt(s).

**Wakeup on LAN**
The ability for the power in a client station to be turned on by the network. Remote wake-up enables software upgrading and other management tasks to be performed on users' machines after the work day is over. It also enables remote users to gain access to machines that have been turned off. Intel calls remote wake-up "Wake-on-LAN."

**WH**
Abbreviation for watt-hour(s).

**win.ini file**
A start-up file for the Windows operating system. When you start Windows, it consults the **win.ini** file to determine a variety of options for the Windows operating environment. Among other things, the **win.ini** file records what printer(s) and fonts are installed for Windows. The **win.ini** file also usually includes sections that contain optional settings for Windows application programs that are installed on the hard drive.

Running the Control Panel or Windows Setup program may change options in the **win.ini** file. On other occasions, you may need to change or add options to the **win.ini** file manually with a text editor such as Notepad.

**Windows 95**
An integrated and complete Microsoft Windows operating system that provides advanced operating system performance, improved ease of use, enhanced workgroup functionality, and simplified file management and browsing.

**Windows NT**
High-performance server and workstation operating system software developed by Microsoft that is intended for technical, engineering, and financial applications.

**write-protected**
Read-only files are said to be *write-protected*. You can write-protect a 3.5-inch diskette by sliding its write-protect tab to the open position or by setting the write-protect feature in the System Setup program.

**XMM**
Abbreviation for extended memory manager, a utility that allows application programs and operating systems to use extended memory in accordance with the XMS.

**XMS**
Abbreviation for eXtended Memory Specification.

**ZIF**
Acronym for zero insertion force. Some computers use ZIF sockets and connectors to allow devices such as the microprocessor chip to be installed or removed with no stress applied to the device.

**ZIP**
A 3.5 inch removable disk drive from Iomega. Originally, it provided a 100 MB removable cartridges. The drive is bundled with software that can catalog the disks and lock the files for security.

A 250 MB version of the Zip drive also reads and writes the 100 MB Zip cartridges.

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