Dell EMC OpenManage SNMP Reference Guide

Version 10.0.1

DELLTechnologies

Notes, cautions, and warnings

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

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

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

Contents

Introduction

This reference guide provides information about the Simple Network Management Protocol (SNMP) Management Information Base (MIB) which is applicable for Dell EMC OpenManage.

(i) **NOTE:** This guide contains information that may also be applicable to earlier OpenManage supported platforms.

This introduction is divided into two sections. The first section, Introduction to 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.

Topics:

*   What's New in this release
*   Supported SNMP Versions
*   Managed Object Used in This Document
*   Server Administrator Instrumentation MIB
*   Server Administrator Baseboard Management Controller, ASF MIB
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What's New in this release

This release of Dell OpenManage SNMP no new attributes added.

(i) **NOTE:** For more information on SNMP traps with Out-of-Band using iDRAC, Chassis Management Controller and OpenManage Enterprise - Modular Management, see *Dell OpenManage SNMP Reference guide for iDRAC , CMC and OME- MM*.

Supported SNMP Versions

Table 1. Supported SNMP Versions

Operating System	Supported OMSA SNMP version
Windows	SNMP v1
Linux	SNMP v1

Managed Object Used in This Document

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

Table 2. Managed Object Used in This Document

MIB Name	Agent / Hardware Supported	Purpose of the MIB
10892.mib	Server Administrator	Provides the information about the systems monitored by Server Administrator instrumentation software. This is the primary MIB for PowerEdge systems.
dcs3fru.mib	Server Administrator	Provides the information about the system Field Replaceable Unit (FRU) to SNMP management applications.
dcstorag.mib	Server Administrator Storage Management	Provides the information about the storage hardware components and RAID configurations monitored by Server Administrator.
iDRAC-SMIv1.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMIv1 version of the iDRAC MIB.
iDRAC-SMIv2.mib	iDRAC7 and later	Provides information about the SNMP data and traps supported by iDRAC7 and later. This is the SMIv2 version of the iDRAC MIB.
dcs3rmt.mib	Dell Remote Access controller 5 (DRAC 5)	Provides information about remote access components monitored by the Server Administrator Remote Access Service.
rac_host.mib	Remote access out-of-band agent	Provides information about the components monitored by the remote access out-of-band software agent.
DELL-RAC-MIB.txt	Chassis Management Controller (CMC)	Provides information about components monitored by the Chassis Management Controller for modular chassis. This MIB is the legacy iDRAC MIB. Changes made in this MIB are not for iDRAC. iDRAC does not support all the objects and traps defined in this MIB. The new and more extensive iDRAC MIB is available for iDRAC7 and later versions.
DcAsfSrv.mib	Baseboard Management Controller (BMC)	Provides information about server Platform Event Traps generated by the Baseboard Management Controller.
MX7000-OME-M-v1.mib	OpenManage Enterprise-Modular management software (OME-M)	Provides the information about Dell Remote Access Controller Out-of-Band MIB for Enterprise-Modular Management Software. This is the v1 version of the Modular Management MIB.
MX7000-OME-M-v2.mib	OpenManage Enterprise-Modular management software (OME-M)	Provides the information about Dell Remote Access Controller Out-of-Band MIB for Enterprise-Modular Management Software. This is the v2 version of the Modular Management MIB.

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

(i) **NOTE:** You can download the Mibs that are listed from downloads and drivers page at `Dell.com/OpenManageManuals`.

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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. The below table 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 3. 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
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

Table 3. Server Administrator Instrumentation MIB Sections in This Guide (continued)

Section	Topics	MIB Group Numbers
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
26	Traps — defines the types of alerts that can be sent to report the status of critical components	5000

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 adheres to ASF 2.0 standard and hence the enterprise ID is wired for management (3183).

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.

The following table 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 4. 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: ● Storage Management Group ● Storage Management Information Group ● Global Data Group ● Physical Devices Group ● Logical Devices Group ● Storage Management Event Group ● Software Group	10893 NA 20 NA NA 130 140 NA 1

Table 4. Server Administrator Storage Management MIB Sections in This Guide (continued)

Section	Topics	MIB Group Numbers
27	Storage Management Alert Reference — lets you monitor the health of storage resources such as controllers, connectors, array disks, and virtual disks	NA

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. The following table 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 5. 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 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.

The following table 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 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

Basic Terminology

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

Frequently Used Terms in Variable Names

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

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

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

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

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

Tables

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

SNMP Tables

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

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

These objects comprise the Server Administrator definitions for the UUID.

Table 7. UUID Table

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

Table 8. UUID Table Entry

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

Table 9. UUID Chassis Index

Name	uUIDchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.300.20.1.1

Table 9. UUID Chassis Index (continued)

Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Table 10. 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

Table 11. UUID Type

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

Table 12. UUID Value

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

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 guide, you can access the following guides available at **dell.com/softwaresecuritymanuals**.

- The *Dell EMC Systems Software Support Matrix* provides information about the various systems, the operating systems supported by these systems, and the components that can be installed on these systems.
- The *Dell EMC OpenManage Server Administrator Installation Guide* contains instructions to help you install Dell EMC OpenManage Server Administrator.
- The *Dell EMC OpenManage Management Station Software Installation Guide* contains instructions to help you install Dell EMC OpenManage management station software.
- The *Dell EMC OpenManage SNMP Reference Guide* documents the Simple Network Management Protocol (SNMP) management information base (MIB).
- The *Dell EMC OpenManage Server Administrator CIM Reference Guide* documents the Common Information Model (CIM) provider, an extension of the standard management object format (MOF) file.
- The *Dell EMC Messages Reference Guide* lists the messages that are displayed in your Server Administrator home page Alert log or on your operating system's event viewer.
- The *Dell EMC OpenManage Server Administrator Command Line Interface Guide* documents the complete command line interface for Server Administrator.
- The *Dell Remote Access Controller User's Guide* provides comprehensive information about using the RACADM command line utility to configure a DRAC.
- The *Dell Chassis Management Controller User's Guide* provides comprehensive information about using the controller that manages all modules in the chassis containing your system.
- The *Command Line Reference Guide for iDRAC 6 and CMC* provides information about the RACADM subcommands, supported interfaces, property database groups and object definitions for iDRAC6 and CMC.
- The *Integrated Dell Remote Access Controller 7 (iDRAC7) User's Guide* provides information about configuring and using iDRAC7 for 12G rack, tower, and blade servers to remotely manage and monitor your system and its shared resources through a network.
- The *Integrated Dell Remote Access Controller 6 (iDRAC6) Enterprise for Blade Servers User Guide* provides information about configuring and using an iDRAC6 for 11G blade servers to remotely manage and monitor your system and its shared resources through a network.
- The *Integrated Dell Remote Access Controller 6 (iDRAC6) User Guide* provides complete information about configuring and using an iDRAC6 for 11G tower and rack servers to remotely manage and monitor your system and its shared resources through a network.
- The *Dell Online Diagnostics User's Guide* provides complete information on installing and using Online Diagnostics on your system.
- The *Dell OpenManage Baseboard Management Controller Utilities User's Guide* provides additional information about using Server Administrator to configure and manage your system's BMC.
- The *Dell EMC OpenManage Server Administrator Storage Management User's Guide* is a comprehensive reference guide for configuring and managing local and remote storage attached to a system.
- The *Dell Remote Access Controller Racadm User's Guide* provides information about using the racadm command line utility.
- The *Dell Remote Access Controller User's Guide* provides complete information about installing and configuring a DRAC controller and using DRAC to remotely access an inoperable system.
- The *Dell Update Packages User's Guide* provides information about obtaining and using Dell Update Packages as part of your system update strategy.
- The *Dell EMC OpenManage Server Update Utility User's Guide* provides information about obtaining and using the Server Update Utility (SUU) to update your systems or to view the updates available for any systems listed in the Repository.
- The *Dell Management Console User's Guide* provides information about installing, configuring, and using Dell Management Console.
- The *Dell Lifecycle Controller User's Guide* provides information on setting up and using the Unified Server Configurator to perform systems and storage management tasks throughout your system's lifecycle.
- The *Dell License Manager User's Guide* provides information about managing component server licenses for the 12G servers.
- The *Glossary* for information on terms used in this document.

Accessing support content from the Dell EMC support site

Access supporting content related to an array of systems management tools using direct links, going to the Dell EMC support site, or using a search engine.

- Direct links:
  - For Dell EMC Enterprise Systems Management and Dell EMC Remote Enterprise Systems Management—https://www.dell.com/esmmanuals
  - For Dell EMC Virtualization Solutions—https://www.dell.com/SoftwareManuals
  - For Dell EMC OpenManage—https://www.dell.com/openmanagemanuals
  - For iDRAC—https://www.dell.com/idracmanuals
  - For Dell EMC OpenManage Connections Enterprise Systems Management—https://www.dell.com/OMConnectionsEnterpriseSystemsManagement
  - For Dell EMC Serviceability Tools—https://www.dell.com/serviceabilitytools
- Dell EMC support site:
  1. Go to https://www.dell.com/support.
  2. Click **Browse all products**.
  3. From the **All products** page, click **Software**, and then click the required link.
  4. Click the required product and then click the required version.

Using search engines, type the name and version of the document in the search box.

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, or read-only
- 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.

Management Information Base Object Identifiers

Each data class within a Management Information Base (MIB) is defined by an Object Identifier (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:

Table 13. 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)
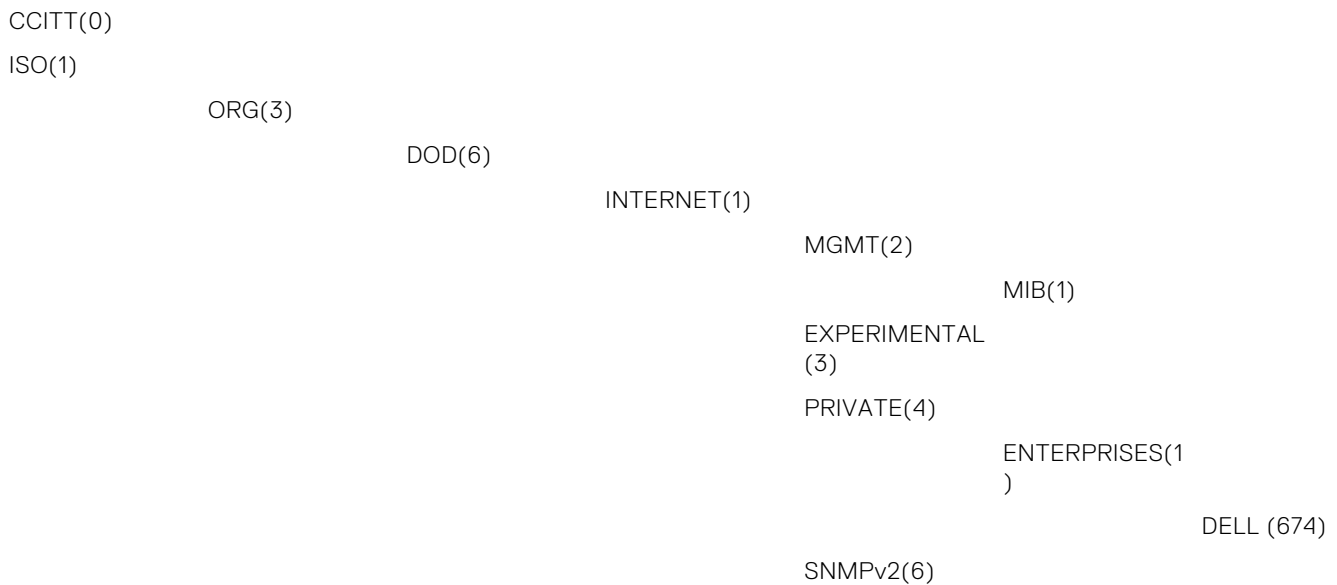
In the preceding example, the OID prefix for the Dell enterprise would be 1.3.6.1.4.1.674.

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. As 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. Dell has chosen not to support SNMP Set operations for this reason.

(i) **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* available on the Dell Support website at **dell.com/ openmanagemanuals**.

(i) **NOTE:** As of iDRAC7 firmware release r1.30.30, iDRAC7 supports SNMP query operations (GET, GETNEXT, GETBULK) via the SNMPv3 protocol, in addition to supporting query operations via the SNMP v1 and SNMP v2c protocols. More specifically, iDRAC7 now supports the SNMP User Security Model (USM).

SNMP Traps

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

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

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

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

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

(i) **NOTE:** For information on Server Administrator Storage Management traps, see in Storage Management Alert Reference, the Alert Descriptions and Corrective Actions.

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

Server Administrator Group

The Server Administrator group comprises of the following sections:

- Instrumentation MIB Version Group
- Systems Management Software Group
- System State Group
- Chassis Information Group
- Operating System Group
- System Resource Group
- Power Group
- Thermal Group
- Remote Flash BIOS Group
- Port Group
- Device Group
- Slot Group
- Memory Group
- BIOS Setup Control Group
- Local Response Agent Group
- Cost of Ownership Group
- Cluster Group
- Baseboard Management Controller Group
- Field Replaceable Unit Group

Topics:

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.

Management Information Base Major Version Number

Table 14. Management Information Base 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. A major version number change indicates a major change in object functionality.
Syntax	DellUnsigned8BitRange
Access	Read-only

Management Information Base Minor Version Number

Table 15. Management Information Base 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. A minor revision provides additional support for new objects as well as problem fixes.
Syntax	DellUnsigned8BitRange
Access	Read-only

Management Information Base Maintenance Version Number

Table 16. Management Information Base 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

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.

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

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>*

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>*

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.

Table 17. 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

Table 18. 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

Table 19. 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

Table 20. 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

Table 21. Systems Management Software Supported Protocol

Name	`systemManagementSoftwareSupportedProtocol`
Object ID	1.3.6.1.4.1.674.10892.1.100.5

Table 21. Systems Management Software Supported Protocol (continued)

Description	Defines the systems management standards (SNMP or CIM) supported by the systems management software.
Syntax	SMSSupportedTypes (Systems Management Software Supported Standards)
Access	Read-only

Table 22. 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 (Systems Management Software Supported Standards)
Access	Read-only

Table 23. 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

Table 24. 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

Table 25. 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

Table 26. 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

Table 27. Systems Management Software Feature Flags

Name	systemManagementSoftwareFeatureFlags

Table 27. Systems Management Software Feature Flags (continued)

Object ID	1.3.6.1.4.1.674.10892.1.100.11
Description	Defines the features of the systems management software.
Syntax	SMSFeatureFlags (Systems Management Software Feature Flags)
Access	Read-only

Table 28. 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 (Systems Management Software SNMP Agent Feature Flags)
Access	Read-only

Table 29. 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 30. 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 31. 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 32. 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.

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 **systemStateGlobalSystemStatus** variable provides overall system health status and includes rolled-up (that is, worst) status for Instrumentation and Storage. This variable monitors the overall system health status. It reflects changes to **systemStateChassisStatus** variable, which represents Instrumentation health status and **agentGlobalSystemStatus** (dcstorag.mib), which represents Storage health status.

The **systemStateChassisStatus** variable provides the rolled-up health status for the subsystems associated with the chassis that is represented by the row in the **systemStateTable**. Changes to the variables in List 1, each of which indicates the rolled-up health status of all the components of the corresponding subsystem, are reflected in **systemStateChassisStatus** variable.

For example, **systemStatePowerSupplyStatusCombined** provides the rolled up status of all power supplies for the chassis.

The variables in List 2 provide the health status of each component of the corresponding subsystem. Each octet of the value represents a component. If a power supply fails, the corresponding entry in **systemStatePowerSupplyStatusDetails**, **systemStatePowerSupplyStatusCombined**, **systemStateChassisStatus** and **systemStateGlobalSystemStatus** transitions to critical.

List 1

Variables that provide rolled-up health status for all components in associated subsystem in chassis:
- systemStatePowerSupplyStatusCombined
- systemStateVoltageStatusCombined
- systemStateAmperageStatusCombined
- systemStateCoolingDeviceStatusCombined
- systemStateTemperatureStatusCombined
- systemStateMemoryDeviceStatusCombined
- systemStateChassisIntrusionStatusCombined
- systemStateACPowerCordStatusCombined
- systemStateEventLogStatus
- systemStatePowerUnitStatusCombined
- systemStateCoolingUnitStatusCombined
- systemStateACPowerSwitchStatusCombined
- systemStateRedundantMemoryUnitStatusCombined
- systemStateProcessorDeviceStatusCombined

- systemStateBatteryStatusCombined
- systemStateSDCardUnitStatusCombined
- systemStateSDCardDeviceStatusCombined

List 2

Variables that provide health status of each component in associated subsystem in chassis:
- systemStatePowerSupplyStatusDetails
- systemStateVoltageStatusDetails
- systemStateAmperageStatusDetails
- systemStateCoolingDeviceStatusDetails
- systemStateTemperatureStatusDetails
- systemStateMemoryDeviceStatusDetails
- systemStateChassisIntrusionStatusDetails
- systemStateACPowerCordStatusDetails
- systemStatePowerUnitStatusList
- systemStateCoolingUnitStatusList
- systemStateACPowerSwitchStatusList
- systemStateRedundantMemoryUnitStatusList
- systemStateProcessorDeviceStatusList
- systemStateBatteryStatusList
- systemStateSDCardUnitStatusList
- systemStateSDCardDeviceStatusList

System State Table

The following object sets up the System State Table:

Table 33. 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

Table 34. 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

Table 35. 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

Table 35. System State Chassis Index (continued)

Access	Read-only

Table 36. 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

Table 37. 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

Table 38. 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

Table 39. 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
Access	Read-only

Table 40. 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

Table 41. System State Power Unit Status Details

Name	systemStatePowerUnitStatusDetails

Table 41. System State Power Unit Status Details (continued)

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
Access	Read-only

Table 42. 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
Access	Read-only

Table 43. 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

Table 44. 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

Table 45. 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

Table 45. System State Voltage State Details (continued)

Access	Read-only

Table 46. 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

Table 47. 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
Access	Read-only

Table 48. 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
Access	Read-only

Table 49. 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

Table 50. 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
Access	Read-only

Table 51. 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
Access	Read-only

Table 52. 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

Table 53. 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
Access	Read-only

Table 54. 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
Access	Read-only

Table 55. 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

Table 55. System State Cooling Device Status Combined (continued)

Access	Read-only

Table 56. 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
Access	Read-only

Table 57. 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
Access	Read-only

Table 58. 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

Table 59. System State Temperature Status Details

Name	systemStateTemperatureStatusDetailsly
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
Access	Read-only

Table 60. 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

Table 60. System State Memory Device State Details (continued)

	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
Access	Read-only

Table 61. 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

Table 62. 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
Access	Read-only

Table 63. 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
Access	Read-only

Table 64. 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

Table 65. 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
Access	Read-only

Table 66. 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
Access	Read-only

Table 67. 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

Table 68. 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
Access	Read-only

Table 69. 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
Access	Read-only

Table 70. System State AC Power Cord Status Combined

Name	systemStateACPowerCordStatusCombined

Table 70. System State AC Power Cord Status Combined (continued)

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

Table 71. 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
Access	Read-only

Table 72. 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
Access	Read-only

Table 73. 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

Table 74. 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
Access	Read-only

Table 75. System State Event Log Status

Name	systemStateEventLogStatus
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.41

Table 75. System State Event Log Status (continued)

Description	Defines the overall status of this chassis (ESM) event log.
Syntax	DellStatus
Access	Read-only

Table 76. 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

Table 77. 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
Access	Read-only

Table 78. 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

Table 79. 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
Access	Read-only

Table 80. 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

Table 81. 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
Access	Read-only

Table 82. 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

Table 83. 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
Access	Read-only

Table 84. 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

Table 85. 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
Access	Read-only

Table 86. 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

Table 87. 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
Access	Read-only

Table 88. System State SD Card Unit Status Combined

Name	systemStateSDCardUnitStatusCombined
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.54
Description	Defines the combined status of all SD Card units of this chassis.
Syntax	DellStatus
Access	Read-only

Table 89. System State SD Card Unit Status List

Name	systemStateSDCardUnitStatusList
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.55
Description	Lists the status of each SD Card 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 SD Card unit. The first byte returned represents the status of the first SD Card unit, and so on. The bytes have the same definition type as DellStatus.
Syntax	Octet String
Access	Read-only

Table 90. System State SD Card Device Status Combined

Name	systemStateSDCardDeviceStatusCombined
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.56
Description	Defines the combined status of all SD Card devices of this chassis.
Syntax	DellStatus
Access	Read-only

Table 91. System State SD Card Device Status List

Name	systemStateSDCardDeviceStatusList
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.57

Table 91. System State SD Card Device Status List (continued)

Description	Lists the status of each SD Card 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 SD Card device. The first byte returned represents the status of the first SD Card device, and so on. The bytes have the same definition type as DellStatus.
Syntax	Octet String
Access	Read-only

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.

Table 92. 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

Table 93. 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

Table 94. Chassis Index Chassis Information

Name	chassisIndexChassisInformation

Table 94. Chassis Index Chassis Information (continued)

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 is numbered one.
Syntax	DellObjectRange
Access	Read-only

Table 95. 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

Table 96. 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-only

Table 97. 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

Table 98. 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

Table 99. 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 Chassis Type)
Access	Read-only

Table 100. 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-only

Table 101. 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

Table 102. 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

Table 103. 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
Access	Read-only

Table 104. 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
Access	Read-only

Table 105. 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

Table 106. 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

Table 107. 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 Chassis Type)
Access	Read-only

Table 108. 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

Table 109. 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

Table 110. 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

Table 111. 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-only

Table 112. 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-only

Table 113. 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-only

Table 114. 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 Connection Status)
Access	Read-only

Table 115. 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 Fan Control Capabilities)
Access	Read-only

Table 116. 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-only

Table 117. 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 Front-Panel LED Control CapabilitiesVariable)
Access	Read-only

Table 118. 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 Front-Panel LED Control Settings)
Access	Read-only

Table 119. 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 Hard-Drive Fault LED Control Capabilities)
Access	Read-only

Table 120. 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 Hard-Drive Fault LED Control Settings)
Access	Read-only

Table 121. 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 Chassis Identification Control Capabilities)
Access	Read-only

Table 122. 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 Chassis Identification Control Capabilities)
Access	Read-only

Table 123. 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

Table 124. 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 Host Control Capabilities)
Access	Read-only

Table 125. 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 Host Control Settings)
Access	Read-only

Table 126. 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 Watchdog Control Capabilities)
Access	Read-only

Table 127. 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 Watchdog Control Capabilities)
Access	Read-only

Table 128. 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 Watchdog Timer Capabilities)
Access	Read-only

Table 129. 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-only

Table 130. 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. This attribute does not reflect whether SNMP Set type commands are allowed by the SNMP primary agent.
Syntax	DellBoolean
Access	Read-only

Table 131. 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 Power Button Control Capabilities)
Access	Read-only

Table 132. 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 Power Button Control Settings)
Access	Read-only

Table 133. 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
Access	Read-only

Table 134. 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
Access	Read-only

Table 135. 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
Access	Read-only

Table 136. 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

Table 137. 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 NMI Button Control Capabilities)
Access	Read-only

Table 138. 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 NMI Button Control Settings)
Access	Read-only

Table 139. Chassis System Properties

Name	chassisSystemProperties
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.46
Description	Defines the properties of the system.
Syntax	DellSystemProperties (See System Properties)
Access	Read-only

Table 140. Chassis System Revision Number

Name	chassisSystemRevisionNumber
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.47
Description	Defines the revision number of the system where zero indicates the original version of the system. The revision number is not available on all systems.
Syntax	DellUnsigned8BitRange
Access	Read-only

Table 141. Chassis System Revision Name

Name	chassisSystemRevisionName
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.48
Description	Defines the revision name of the system, if applicable.
Syntax	DellString
Access	Read-only

Table 142. Chassis Express Service Code Name

Name	chassisExpressServiceCodeName
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.49
Description	Defines the express service code of the chassis.
Syntax	DellString
Access	Read-only

Table 143. Chassis Node ID

Name	chassisNodeIDName
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.50
Description	Defines the NodeID of the chassis.
Syntax	DellString
Access	Read-only

UUID Table

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

Table 144. UUID Table

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

Table 145. UUID Table Entry

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

Table 146. UUID Chassis Index

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

Table 147. 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

Table 148. UUID Type

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

Table 149. 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.

Table 150. POST Log Table

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

Table 151. 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

Table 151. POST Log Table Entry (continued)

	,
	`postLogRecordIndex`

Table 152. 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

Table 153. 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

Table 154. 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

Table 155. 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-only

Table 156. 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

Table 157. POST Log Format

Name	`postLogFormat`
Object ID	1.3.6.1.4.1.674.10892.1.300.30.1.5

Table 157. POST Log Format (continued)

Description	Defines format of the POST log.
Syntax	DellLogFormat (See Log Format)
Access	Read-only

Event Log Table

Table 158. 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

Table 159. 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

Table 160. 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

Table 161. 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

Table 162. Event Log State Capabilities Unique

Name	eventLogStateCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.40.1.3

Table 162. Event Log State Capabilities Unique (continued)

Description	Defines the capabilities of the object that is writing the event log.
Syntax	DellStateCapabilitiesLogUnique
Access	Read-only

Table 163. 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-only

Table 164. 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
Access	Read-only

Table 165. 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 Log Format)
Access	Read-only

Table 166. 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

Table 167. 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).

Table 168. System BIOS Table

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

Table 169. 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

Table 170. 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

Table 171. 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

Table 172. 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

Table 173. 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-only

Table 174. 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

Table 175. 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

Table 176. 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

Table 177. 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

Table 178. 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

Table 179. 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

Table 180. 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

Table 181. 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 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

Table 181. System BIOS Characteristics (continued)

	• 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 • 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 - -47Reserved • 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

Table 182. 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 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

Table 183. 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 0 - BIOS Boot Specification supported • Bit 1 - Function key-initiated Network Service boot supported • Bit 2 - Targeted Content Distribution supported • Bit 3 - 7Reserved
Syntax	DellUnsigned8BitRange
Access	Read-only

Firmware Table

Table 184. 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

Table 185. 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

Table 186. 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

Table 187. 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

Table 188. 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

Table 189. 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	DellStateCapabilities
Access	Read-only

Table 190. 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

Table 191. 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

Table 192. 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

Table 193. 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

Table 194. 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

Table 195. 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

Table 196. 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.

(i) **NOTE:** The Drive Bay sensor is available on Dell PowerEdge R740xd2 systems only.

Table 197. Intrusion Table

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

Table 198. 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

Table 199. 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.

Table 199. Intrusion Chassis Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 200. 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 and drive bay object in this subgroup.
Syntax	DellObjectRange
Access	Read-only

Table 201. 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 and drive bay object.
Syntax	DellStateCapabilities
Access	Read-only

Table 202. 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 and drive bay object.
Syntax	DellStateSettings
Access	Read-only

Table 203. 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 and drive bay object.
Syntax	DellStatus
Access	Read-only

Table 204. 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 and drive bay object.
Syntax	DellIntrusionReading
Access	Read-only

Table 205. 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 and drive bay object.

Table 205. Intrusion Type (continued)

Syntax	DellIntrusionType
Access	Read-only

Table 206. Intrusion Location Name

Name	intrusionLocationName
Object ID	1.3.6.1.4.1.674.10892.1.300.70.1.8
Description	This attribute defines the location of the intrusion and drive bay sensor.
Syntax	DellString
Access	Read-only

Baseboard Table

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

Table 207. Baseboard Table

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

Table 208. 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

Table 209. 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 this chassis.
Syntax	DellObjectRange
Access	Read-only

Table 210. Baseboard Index

Name	baseBoardIndex
Object ID	1.3.6.1.4.1.674.10892.1.300.80.1.2

Table 210. Baseboard Index (continued)

Description	Defines the index (one-based) of the base board.
Syntax	DellObjectRange
Access	Read-only

Table 211. 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

Table 212. 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-only

Table 213. 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

Table 214. 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

Table 215. 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

Table 216. Baseboard Type Name

Name	`baseBoardTypeName`
Object ID	1.3.6.1.4.1.674.10892.1.300.80.1.8

Table 216. Baseboard Type Name (continued)

Description	Defines the name of the type of baseboard.
Syntax	DellString
Access	Read-only

Table 217. 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

Table 218. 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

Table 219. 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

Table 220. 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

Table 221. 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

Table 222. Baseboard Piece Part ID (PPID) Name

Name	baseBoardPiecePartIDName
Object ID	1.3.6.1.4.1.674.10892.1.300.80.1.14

Table 222. Baseboard Piece Part ID (PPID) Name (continued)

Description	Defines the baseboard PPID.
Syntax	DellString
Access	Read-only

Table 223. 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

Table 224. Baseboard Express Service Code Name

Name	baseBoardExpressServiceCodeName
Object ID	1.3.6.1.4.1.674.10892.1.300.80.1.16
Description	Defines the express service code of the baseboard.
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 225. 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 226. Chassis Type

Variable Name : DellChassisType 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.

Table 226. Chassis Type (continued)

`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 227. 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 228. 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.

Table 228. Fan Control Capabilities (continued)

lowOrhighSpeedCapab le(6)	The fan can be set to low or high speed.

Table 229. 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.
alertOnWarningAndEr rorCap able(4)	The LED control can be set to alert on an error and a warning condition.
alertOnWarningOrErr orCapa ble(6)	The LED control can be set to alert on an error or a warning condition.

Table 230. 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.
alertOnWarningAndE rror(4)	The LED control is set to alert on an error or a warning condition.

Table 231. 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.
unknownCapabilitie s(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 232. 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.

Table 232. Hard-Drive Fault LED Control Settings (continued)

`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 233. Chassis Identification Control Capabilities

Variable Name : `DellChassisIdentifyControlCapabilities` **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.	
`resetAndEnable(10)`	The hard-drive fault LEDs have been reset and enabled.	

ⓘ **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 234. Chassis Identification Control Settings

Variable Name : `DellChassisIdentifyControlSettings` **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 235. Host Control Capabilities

Variable Name : `DellHostControlCapabilities`	
ⓘ **NOTE:** An operator can manually enable these actions using SNMP.	

Table 235. Host Control Capabilities (continued)

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.
manualAllExceptOperating SystemShutdownCapable(7)	The operator can reboot and power off capable host.
manualOperatingSystemShut downCapable(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.
manualRebootWithOSShutdow nCapable(16)	The operator can reboot with operating system shutdown.
manualRebootWithoutOSShut downCapable(32)	The operator can reboot without operating system shutdown.
manualPowerOffWithOSShutd ownCapable(64)	The operator can power off with operating system shutdown.
manualPowerOffWithoutOSSh utdownCapable(128)	The operator can power off without operating system shutdown.
manualPowerCycleWithOSShu tdownCapable(256)	The operator can power cycle with operating system shutdown.
manualPowerCycleWithoutOS ShutdownCapable(512)	The operator can power cycle without operating system shutdown.

Table 236. 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.

Table 236. Host Control Settings (continued)

`manualOperatingSystemShutdown(8)`	The operator can shut down the operating system on the host.
`manualOperatingSystemShutdownThenPowerCycle(12)`	The operator can shut down the operating system on the host then power cycle machine.

Table 237. Watchdog Control Capabilities

Variable Name : `DellWatchDogControlCapabilities` ⓘ **NOTE:** When the system determines that the operating system is not responding, it automatically performs 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 238. 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 239. Watchdog Timer Capabilities

Variable Name : `DellWatchDogTimerCapabilities`	

Table 239. Watchdog Timer Capabilities (continued)

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 240. 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 241. 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 242. NMI Button Control Capabilities

Variable Name : DellNMIButtonControlCapabilities **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 243. System Properties

Variable Name : DellSystemProperties ⓘ **NOTE:** These values are bit masks, so combination values are possible. **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**

Table 243. System Properties (continued)

none(0)	No properties.
energySmart(1)	The system is an Energy Smart System.

Table 244. NMI Button Control Settings

Variable Name : DellNMIButtonControlSettings **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 245. 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 246. Chassis System Class

Variable Name : DellChassisSystemClass **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.	

Table 246. Chassis System Class (continued)

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 247. Firmware Type

Variable Name : DellFirmwareType **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.
iDRAC(17)	The firmware type is Integrated Dell Remote Access Controller.
unifiedServerConfigurator(19)	The firmware type is Unified Server Configurator.
lifecycleController(20)	The firmware type is Lifecycle Controller.

Table 247. Firmware Type (continued)

iDRAC7(21)	The firmware type is Integrated Dell Remote Access Controller 7.
iDRAC8(22)	The firmware type is Integrated Dell Remote Access Controller 8.
iDRAC9(23)	The firmware type is Integrated Dell Remote Access Controller 9.

Table 248. Intrusion Reading

Variable Name : DellIntrusionReading	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
chassisNotBreached(1)	The chassis is not breached and no uncleared breaches.
chassisBreached(2)	The chassis is currently breached.
chassisBreachedPrior(3)	The chassis breached prior to boot and has not been cleared.
chassisBreachSensorFailure(4)	The intrusion sensor has failed.
driveBayOpen(5)	The drive bay is open.
driveBayOpenExtended(6)	The drive bay open is extended.

Table 249. Intrusion Type

Variable Name : DellIntrusionType	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
chassisBreachDetectionWhenPowerON(1)	This type detects the intrusion while power on.
chassisBreachDetectionWhenPowerOFF(2)	This type detects the intrusion while power off.

Table 250. 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.

Table 250. Baseboard Feature Flags (continued)

`boardIsHotSwappable(16)`	This baseboard is hot swappable.

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 Memory Table

Table 251. 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

Table 252. 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

Table 253. 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

Table 254. 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

Table 255. Operating System Memory State Settings

Name	operatingSystemMemoryStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.400.20.1.3

Table 255. Operating System Memory State Settings (continued)

Description	Defines the state and allows the setting of the operating system memory.
Syntax	DellStateSettings
Access	Read-only

Table 256. 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

Table 257. Operating System Memory Total Physical Size

ⓘ **NOTE:** operatingSystemMemoryTotalPhysicalSize is no more used. This attribute is deprecated and replaced by operatingSystemMemoryExtTotalPhysicalSize.

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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 258. 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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 259. 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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 260. 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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 261. 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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 262. 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 kilobytes.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 263. Operating System Memory Ext Total Physical Size

(i) **NOTE:** This attribute replaces operatingSystemMemoryTotalPhysicalSize.	
Name	operatingSystemMemoryExtTotalPhysicalSize
Object ID	1.3.6.1.4.1.674.10892.1.400.20.1.11
Description	This attribute defines the total physical memory for the operating system memory in KBytes.
Syntax	DellUnsigned64BitRange
Access	Read-only

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

Table 264. 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.

Table 264. System Resource Map Table (continued)

Syntax	SEQUENCE OF SystemResourceMapTableEntry
Access	Not accessible

Table 265. 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`

Table 266. 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

Table 267. 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

Table 268. 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

Table 269. 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-only

Table 270. 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

Table 271. 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 (System Resource Map Type)
Access	Read-only

System Resource Owner Table

Table 272. 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

Table 273. 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

Table 274. 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

Table 275. 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

Table 276. 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

Table 277. 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-only

Table 278. 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-only

Table 279. 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 (Resource Owner Interface Type)
Access	Read-only

Table 280. 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

Table 281. 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

Table 282. 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 Port Table

Table 283. System Resource Input/Output 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

Table 284. 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

Table 285. 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

Table 286. 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

Table 287. 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

Table 288. 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-only

Table 289. 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

Table 290. 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

Table 291. 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 (Resource Share Disposition)
Access	Read-only

Table 292. 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

Table 293. 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

Table 294. System Resource Memory Table

Name	systemResourceMemoryTable
Object	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

Table 295. 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`

Table 296. 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

Table 297. 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

Table 298. 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

Table 299. 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-only

Table 300. 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

Table 301. 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

Table 302. 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 (Resource Share Disposition)
Access	Read-only

Table 303. 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

Table 304. 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

Table 305. 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 (Resource Memory Flags)
Access	Read-only

System Resource Interrupt Table

Table 306. 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

Table 307. 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

Table 308. 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

Table 309. 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

Table 310. 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

Table 311. 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-only

Table 312. 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

Table 313. 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

Table 314. 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 (Resource Share Disposition)
Access	Read-only

Table 315. 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

Table 316. 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 (Resource Interrupt Type)
Access	Read-only

Table 317. 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 (Resource Interrupt Trigger)
Access	Read-only

System Resource Direct Memory Access Table

Table 318. System Resource Direct Memory Access 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

Table 319. 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

Table 319. System Resource DMA Table Entry (continued)

Access	Not accessible

Index	```systemResourceDMAchassisIndex```
	
	,
	
	```systemResourceDMAIndex```

Table 320. 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

Table 321. 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

Table 322. 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

Table 323. 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-only

Table 324. 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

Table 325. 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

Table 326. 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 (Resource Share Disposition)
Access	Read-only

Table 327. 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

Table 328. 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 (Resource DMA Transfer Width)
Access	Read-only

Table 329. System Resource DMA Bus Primary

Name	systemResourceDMABusPrimary
Object ID	1.3.6.1.4.1.674.10892.1.500.60.1.10
Description	Defines the bus control capabilities of the system resource DMA.
Syntax	DellResourceDMABusPrimary
Access	Read-only

System Resource Group Variable Values

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

Table 330. System Resource Map Type

Variable Name: DellSystemResourceMapType	
Data Type: Integer	
Possible Data Values	Meaning of Data Value

Table 330. System Resource Map Type (continued)

`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 331. 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 332. 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 333. 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 334. Resource Interrupt Type

Variable Name: `DellResourceInterruptType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**

Table 334. Resource Interrupt Type (continued)

`interruptIsLevelSensitive(1)`	The interrupt type is level sensitive.
`interruptIsLatched(2)`	The interrupt type is latched.

Table 335. 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 336. Resource DMA Bus Primary

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

Table 337. 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.

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.

(i) **NOTE:** Power Management features are only available for PowerEdge systems that have hot-swappable power supplies and not systems that have a fixed, nonredundant power supply installed.

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 Usage Table
- Power ProfileTable

Power Unit Table

Table 338. 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

Table 339. 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

Table 340. 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

Table 341. 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

Table 342. 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

Table 343. 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-only

Table 344. 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

Table 345. 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

Table 346. 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

Table 347. 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

Table 348. 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

Table 349. 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

Table 350. 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

Table 351. 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

Table 352. 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 (Power Supply State Capabilities Unique)
Access	Read-only

Table 353. 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 (Power Supply State Settings Unique)

Table 353. Power Supply State Settings Unique (continued)

Access	Read-only

Table 354. 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

Table 355. 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

Table 356. 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 (Power Supply Type Definitions)
Access	Read-only

Table 357. 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

Table 358. Power Supply Maximum Input Voltage

Name	powerSupplyMaximumInputVoltage
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.9
Description	This attribute defines the maximum input voltage of the power supply (in Volts).
Syntax	DellSigned32BitRange
Access	Read-only

Table 359. 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

Table 359. Power Supply Power Unit Index Reference (continued)

Access	Read-only

Table 360. 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 (Power Supply Sensor State)
Access	Read-only

Table 361. 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 (Power Supply Configuration Error Type)
Access	Read-only

Table 362. Power Supply Power Monitor Capable

Name	powerSupplyPowerMonitorCapable
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.13
Description	Defines a boolean value that reports whether the power supply is capable of monitoring power consumption.
Syntax	DellBoolean
Access	Read-only

Table 363. Power Supply Rated Input Wattage

Name	powerSupplyRatedInputWattage
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.14
Description	Defines the rated input wattage of the power supply (in tenths of Watts.)
Syntax	DellSigned32BitRange
Access	Read-only

Table 364. Power Supply FQDD

Name	powerSupplyFQDD
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.15
Description	Fully qualified device descriptor (FQDD) of the power supply.
Syntax	FQDDString
Access	Read-only

Table 365. Power Supply Current Input Voltage

Name	powerSupplyCurrentInputVoltage
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.16
Description	This attribute defines the current input voltage to the power supply (in Volts).

Table 365. Power Supply Current Input Voltage (continued)

Syntax	DellSigned32BitRange
Access	Read-only

Voltage Probe Table

Table 366. 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

Table 367. 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

Table 368. 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

Table 369. 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

Table 370. 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

Table 371. 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-only

Table 372. 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

Table 373. 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. When the value for voltageProbeType is voltageProbeTypeIsDiscrete, a value is not returned for this attribute.
Syntax	DellSigned32BitRange
Access	Read-only

Table 374. 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

Table 375. 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

Table 376. 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

Table 377. 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

Table 378. 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-only

Table 379. 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-only

Table 380. 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

Table 381. 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

Table 382. Voltage 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

Table 383. 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. 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

Amerage Probe Table

Table 384. Amerage 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

Table 385. 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

Table 386. 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

Table 387. 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.

Table 387. Amperage Probe Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 388. 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

Table 389. 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-only

Table 390. 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

Table 391. Amperage Probe Reading

Name	amperageProbeReading
Object ID	1.3.6.1.4.1.674.10892.1.600.30.1.6
Description	Defines the reading for an amperage probe of type other than amperageProbeTypeIsDiscrete. When the value for amperageProbeType is amperageProbeTypeIsPowerSupplyAmps or amperageProbeTypeIsSystemAmps, the value returned for this attribute is the power usage that the probe is reading in tenths of Amperes. When the value for amperageProbeType is amperageProbeTypeIsPowerSupplyWatts or amperageProbeTypeIsSystemWatts, the value returned for this attribute is the power usage that the probe is reading in Watts. When the value for amperageProbeType is other than amperageProbeTypeIsDiscrete, amperageProbeTypeIsPowerSupplyAmps, amperageProbeTypeIsPowerSupplyWatts, amperageProbeTypeIsSystemAmps, or amperageProbeTypeIsSystemWatts, 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

Table 392. 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

Table 393. 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

Table 394. 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

Table 395. 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

Table 396. 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-only

Table 397. 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-only

Table 398. 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

Table 399. 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

Table 400. 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

Table 401. 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. 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 (Amperage Probe Discrete Reading)
Access	Read-only

AC Power Switch Table

Table 402. 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

Table 403. AC Power Switch Table Entry

Name	aCPowerSwitchTableEntry

Table 403. AC Power Switch Table Entry (continued)

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

Index	`aCPowerSwitchchassisIndex`
	
	,
	
	`aCPowerSwitchIndex`

Table 404. 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

Table 405. 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

Table 406. 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

Table 407. 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-only

Table 408. 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.

Table 408. AC Power Switch Redundancy Status (continued)

Syntax	DellStatusRedundancy
Access	Read-only

Table 409. 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

Table 410. 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

Table 411. 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-only

Table 412. 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

Table 413. 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

Table 414. 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
Index	aCPowerCordchassisIndex , aCPowerCordIndex

Table 415. 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

Table 416. 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

Table 417. 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

Table 418. 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-only

Table 419. AC Power Cord Status

Name	aCPowerCordStatus
Object ID	1.3.6.1.4.1.674.10892.1.600.42.1.5

Table 419. AC Power Cord Status (continued)

Description	Defines the status of this AC power cord.
Syntax	DellStatus
Access	Read-only

Table 420. 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

Table 421. 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

Table 422. 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

Table 423. 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
Index	batteryChassisIndex, batteryIndex

Table 424. 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

Table 424. Battery Chassis Index (continued)

Access	Read-only

Table 425. 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

Table 426. 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

Table 427. 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-only

Table 428. 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

Table 429. 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 (Battery Reading)
Access	Read-only

Table 430. 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

Table 430. Battery Location Name (continued)

Access	Read-only

Power Usage Table

Table 431. Power Usage Table

Name	powerUsageTable
Object ID	1.3.6.1.4.1.674.10892.1.600.60
Description	Defines the Power Usage Table.
Syntax	SEQUENCE OF PowerUsageTableEntry
Access	Not accessible

Table 432. Power Usage Table Entry

Name	powerUsageTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1
Description	Defines the Power Usage Table Entry.
Syntax	PowerUsageTableEntry
Access	Not accessible
Index	powerUsageChassisIndex , powerUsageIndex

Table 433. Power Usage Chassis Index

Name	powerUsageChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Table 434. Power Usage Index

Name	powerUsageIndex
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.2
Description	Defines the index (one-based) of the power usage information.
Syntax	DellObjectRange
Access	Read-only

Table 435. Power Usage State Capabilities

Name	powerUsageStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.3
Description	Defines the state capabilities of the power usage information.
Syntax	DellStateCapabilities
Access	Read-only

Table 436. Power Usage State Settings

Name	powerUsageStateSettings

Table 436. Power Usage State Settings (continued)

Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.4
Description	Defines the state settings of the power usage information.
Syntax	DellStateSettings
Access	Read-only

Table 437. Power Usage Status

Name	powerUsageStatus
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.5
Description	Defines the status of the power usage information.
Syntax	DellStatus
Access	Read-only

Table 438. Power Usage Entity Name

Name	powerUsageEntityName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.6
Description	Defines the name of the entity associated with this power usage information.
Syntax	DellString
Access	Read-only

Table 439. Power Usage Cumulative Wattage

Name	powerUsageCumulativeWattage
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.7
Description	Defines the total wattage used (in Watt-hours) by this entity since the date and time specified by the powerUsageCumulativeWattageStartDateName attribute.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 440. Power Usage Cumulative Wattage Start Date Name

Name	powerUsageCumulativeWattageStartDateName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.8
Description	Defines the date and time at which the data collection started for the value reported by the powerUsageCumulativeWattage attribute.
Syntax	DellDateName
Access	Read-only

Table 441. Power Usage Peak Watts

Name	powerUsagePeakWatts
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.9
Description	Defines the peak wattage reading (in Watts) for this entity since the date and time specified by the powerUsagePeakWattsStartDateName attribute.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 442. Power Usage Peak Watts Start Date Name

Name	powerUsagePeakWattsStartDateName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.10
Description	Defines the date and time at which the data collection started for the value reported by the powerUsagePeakWatts attribute.
Syntax	DellDateName
Access	Read-only

Table 443. Power Usage Peak Watts Reading Date Name

Name	powerUsagePeakWattsReadingDateName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.11
Description	Defines the date and time at which the value reported by the powerUsagePeakWatts attribute was measured.
Syntax	DellDateName
Access	Read-only

Table 444. Power Usage Peak Amps

Name	powerUsagePeakAmps
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.12
Description	Defines the peak amperage reading (in tenths of Amps) for this entity since the date and time specified by the powerUsagePeakAmpsStartDateName attribute.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 445. Power Usage Peak Amps Start Date Name

Name	powerUsagePeakAmpsStartDateName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.13
Description	Defines the date and time at which the data collection started for the value reported by the powerUsagePeakAmps attribute.
Syntax	DellDateName
Access	Read-only

Table 446. Power Usage Peak Amps Reading Date Name

Name	powerUsagePeakAmpsReadingDateName
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.14
Description	Defines the date and time at which the value reported by the powerUsagePeakAmps attribute was measured.
Syntax	DellDateName
Access	Read-only

Table 447. Power Usage Idle Power

Name	powerUsageIdlePower
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.15
Description	Defines the system idle power (in Watts). This is the minimum power the system can consume based on the current hardware configuration.

Table 447. Power Usage Idle Power (continued)

Syntax	DellUnsigned32BitRange
Access	Read-only

Table 448. Power Usage Max Potential Power

Name	`powerUsageMaxPotentialPower`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.16
Description	Defines the maximum potential power (in Watts) of the system. This is the maximum power the system can consume based on the current hardware configuration.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 449. Power Usage Power Cap Capabilities

Name	`powerUsagePowerCapCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.17
Description	Defines the system power cap capabilities.
Syntax	DellPowerCapCapabilities
Access	Read-only

Table 450. Power Usage Power Cap Setting

Name	`powerUsagePowerCapSetting`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.18
Description	Defines the system power cap setting.
Syntax	DellPowerCapSetting
Access	Read-only

Table 451. Power Usage Power Cap Value

Name	`powerUsagePowerCapValue`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.19
Description	Defines the system power cap value (in Watts).
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 452. Power Usage Instantaneous Headroom

Name	`powerUsageInstantaneousHeadroom`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.20
Description	Defines the system instantaneous headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus instantaneous power draw.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 453. Power Usage Peak Headroom

Name	`powerUsagePeakHeadroom`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.21

Table 453. Power Usage Peak Headroom (continued)

Description	Defines the system peak headroom (in Watts). This is the theoretical maximum power drawn by the power supply minus peak power draw.
Syntax	DellUnsigned32BitRange
Access	Read-only

Power Profile Table

Table 454. Power Profile Table

Name	powerProfileTable
Object ID	1.3.6.1.4.1.674.10892.1.600.70
Description	Defines the Power Profile Table.
Syntax	SEQUENCE OF PowerProfileTableEntry
Access	Not accessible

Table 455. Power Profile Table Entry

Name	powerProfileTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1
Description	Defines the Power Profile Table Entry.
Syntax	PowerProfileTableEntry
Access	Not accessible
Index	powerProfileChassisIndex , powerProfileIndex

Table 456. Power Profile Chassis Index

Name	powerProfileChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Table 457. Power Profile Index

Name	powerProfileIndex
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.2
Description	Defines the index (one-based) of the power profile information.
Syntax	DellObjectRange
Access	Read-only

Table 458. Power Profile Supported Profiles

Name	powerProfileSupportedProfiles
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.3
Description	Defines the supported power profiles.
Syntax	DellPowerProfileType

Table 458. Power Profile Supported Profiles (continued)

Access	Read-only

Table 459. Power Profile Setting

Name	powerProfileSetting
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.4
Description	Defines the power profile setting.
Syntax	DellPowerProfileType
Access	Read-only

Table 460. Power Profile Custom CPU Management Capabilities

Name	powerProfileCustomCPUManagementCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.5
Description	Defines the custom CPU power and performance management capabilities that are available for the Custom power profile.
Syntax	DellCPUPowerPerformanceManagementType
Access	Read-only

Table 461. Power Profile Custom CPU Management Setting

Name	powerProfileCustomCPUManagementSetting
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.6
Description	Defines the custom CPU power and performance management setting for the Custom power profile.
Syntax	DellCPUPowerPerformanceManagementType
Access	Read-only

Table 462. Power Profile Custom Memory Management Capabilities

Name	powerProfileCustomMemoryManagementCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.7
Description	Defines the custom memory power and performance management capabilities that are available for the Custom power profile.
Syntax	DellMemoryPowerPerformanceManagementType
Access	Read-only

Table 463. Power Profile Custom Memory Management Capabilities

Name	powerProfileCustomMemoryManagementSetting
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.8
Description	Defines the custom memory power and performance management setting for the Custom power profile.
Syntax	DellMemoryPowerPerformanceManagementType
Access	Read-only

Table 464. Power Profile Custom Fan Management Capabilities

Name	powerProfileCustomFanManagementCapabilities

Table 464. Power Profile Custom Fan Management Capabilities (continued)

Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.9
Description	Defines the custom fan power and performance management capabilities that are available for the Custom power profile.
Syntax	DellFanPowerPerformanceManagementType
Access	Read-only

Table 465. Power Profile Custom Fan Management Setting

Name	powerProfileCustomFanManagementSetting
Object ID	1.3.6.1.4.1.674.10892.1.600.70.1.10
Description	Defines the custom fan power and performance management setting for the Custom power profile.
Syntax	DellFanPowerPerformanceManagementType
Access	Read-only

Power Group Variable Values

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

Table 466. 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 467. Power Supply State Settings Unique

Variable Name: DellPowerSupplyStateSettingsUnique	
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.

Table 467. Power Supply State Settings Unique (continued)

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.
onlineAndPredictiveFail ure(210)	The power supply is online and indicating that it has a problem.
acPowerAndSwitchAreOn PowerSupplyIsOnIsOkAnd Online(242)	The power supply is online and OK.

Table 468. Power Supply Type Definitions

Variable Name: DellPowerSupplyType	
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.
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 469. 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 470. Power Supply Configuration Error Type

Variable Name: DellPowerSupplyConfigurationErrorType	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**

Table 470. Power Supply Configuration Error Type (continued)

`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 471. Voltage Probe Type

Variable Name: `DellVoltageType`	
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 472. Voltage Probe Discrete Reading

Variable Name: `DellVoltageDiscreteReading`	
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 473. Amperage Probe Definitions

Variable Name: `DellAmperageType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**

Table 473. Amperage Probe Definitions (continued)

`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.
`amperageProbeTypeIsPowerSupplyAmps(23)`	The amperage probe type is power supply probe with reading in Amperes.
`amperageProbeTypeIsPowerSupplyWatts (24)`	The amperage probe type is power supply probe with reading in Watts.
`amperageProbeTypeIsSystemAmps(25)`	The amperage probe type is system probe with reading in Amperes.
`amperageProbeTypeIsSystemWatts(26)`	The amperage probe type is system probe with reading in Watts.

Table 474. Amperage Probe Discrete Reading

Variable Name: `DellAmperageDiscreteReading`	
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 475. AC Power Switch Capabilities

Variable Name: `DellACPowerSwitchCapabilities`	
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.

Table 475. AC Power Switch Capabilities (continued)

`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 476. AC Power Switch Settings

Variable Name: `DellACPowerSwitchSettings`	
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 477. AC Power Switch Redundancy Mode

Variable Name: `DellACPowerSwitchRedundancyMode`	
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 478. AC Power Cord State Capabilities

Variable Name: `DellACPowerCordStateCapabilities`	
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 479. AC Power Cord State Settings

Variable Name: `DellACPowerCordStateSettings`	
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.

Table 479. AC Power Cord State Settings (continued)

acPowerCordIsActive Source(16)	The AC power cord is the active source of AC power.

Table 480. Battery Reading

Variable Name: DellBatteryReading	
Data Type: Integer ⓘ **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.

Table 481. Power Cap Capabilities

Variable Name: DellPowerCapCapabilities	
Data Type: Integer ⓘ **NOTE:** These values are bit masks, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
none(0)	No power cap capabilities are available.
enable(1)	Power cap can be enabled.
disable(2)	Power cap can be disabled.

Table 482. Power Cap Setting

Variable Name: DellPowerCapSetting	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
disabled(0)	Power cap is disabled.
enabled(1)	Power cap is enabled.

Table 483. Power Profile Type

Variable Name: DellPowerProfileType	
Data Type: Integer ⓘ **NOTE:** These values are bit masks, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
maxPerformance(1)	Power profile type is Maximum Performance.
osControl(2)	Power profile type is OS control.
activePowerController(4)	Power profile type is Active Power Controller.
custom(8)	Power profile type is Custom.

Table 484. CPU Power Performance Management Type

Variable Name: DellCPUPowerPerformanceManagementType
Data Type: Integer

Table 484. CPU Power Performance Management Type (continued)

Possible Data Values	Meaning of Data Value
ℹ️ **NOTE:** These values are bit masks, so combination values are possible.	
maxPerformance(1)	CPU power and performance management type is Maximum Performance.
minPower(2)	CPU power and performance management type is Minimum Power.
osDBPM(4)	CPU power and performance management type is OS Demand Based Power Management.
systemDBPM(8)	CPU power and performance management type is System Demand Based Power Management.

Table 485. Memory Power Performance Management Type

Possible Data Values	Meaning of Data Value
Variable Name: DellMemoryPowerPerformanceManagementType	
Data Type: Integer ℹ️ **NOTE:** These values are bit masks, so combination values are possible.	
maxPerformance(1)	Memory power and performance management type is Maximum Performance.
mhz1333(2)	Memory power and performance is 1333 MHz. .
mhz1067(4)	Memory power and performance is 1067 MHz.
mhz800(8)	Memory power and performance is 800 MHz.
minPower(16)	Memory power and performance management type is Minimum Power.

Table 486. Fan Power Performance Management Type

Possible Data Values	Meaning of Data Value
Variable Name: DellFanPowerPerformanceManagementType	
Data Type: Integer ℹ️ **NOTE:** These values are bit masks, so combination values are possible.	
maxPerformance(1)	Fan power and performance management type is Maximum Performance.
minPower(2)	Fan power and performance management type is Minimum Power.

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 Device Table
- Temperature Probe Table

Cooling Unit Table

Table 487. 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

Table 488. 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

Table 489. 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

Table 490. 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

Table 491. Cooling Unit State Capabilities

Name	coolingUnitStateCapabilties

Table 491. Cooling Unit State Capabilities (continued)

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

Table 492. 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-only

Table 493. 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

Table 494. 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

Table 495. 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

Table 496. 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

Table 497. 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

Table 498. 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

Table 499. 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

Table 500. 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

Table 501. 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

Table 502. 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-only

Table 503. 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

Table 504. 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. 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

Table 505. 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 (Cooling Device Type)
Access	Read-only

Table 506. 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

Table 507. Cooling Device Upper Nonrecoverable Threshold

Name	coolingDeviceUppernonrecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.1.700.12.1.9

Table 507. Cooling Device Upper Nonrecoverable Threshold (continued)

Description	Defines the value of the fan's upper nonrecoverable threshold.
Syntax	DellSigned32BitRange
Access	Read-only

Table 508. 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

Table 509. 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-only

Table 510. 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-only

Table 511. 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

Table 512. 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	DellSigned32BRead-onlyitRange
Access	Read-only

Table 513. Cooling Device Cooling Unit Index Reference

Name	coolingDevicecoolingUnitIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.700.12.1.15

Table 513. Cooling Device Cooling Unit Index Reference (continued)

Description	Defines the index for the associated system cooling unit in this chassis.
Syntax	DellObjectRange
Access	Read-only

Table 514. 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 (Cooling Device Subtype)
Access	Read-only

Table 515. 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

Table 516. 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. 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 (Cooling Device Discrete Reading)
Access	Read-only

Temperature Probe Table

Table 517. 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

Table 518. 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.

Table 518. Temperature Probe Table Entry (continued)

Syntax	TemperatureProbeTableEntry
Access	Not accessible
Index	temperatureProbechassisIndex , temperatureProbeIndex

Table 519. 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

Table 520. 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

Table 521. 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

Table 522. 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-only

Table 523. 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

Table 524. 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. 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

Table 525. 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 (Temperature Probe Type)
Access	Read-only

Table 526. 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

Table 527. 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

Table 528. 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

Table 529. 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.

Table 529. Temperature Probe Upper Noncritical Threshold (continued)

Syntax	DellSigned32BitRange
Access	Read-only

Table 530. 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-only

Table 531. 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

Table 532. 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

Table 533. 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

Table 534. 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. 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 (Temperature Probe Discrete Reading)
Access	Read-only

Thermal Group Variable Values

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

Table 535. 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.
`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 536. 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).
`coolingDeviceSubTypeIsAFanThatReads InRPM(3)`	The cooling device subtype is a fan that reads in RPMs.
`coolingDeviceSubTypeIsAFanReadsONor OFF(4)`	The cooling device subtype is a fan that reads 0 (off) or 1 (on).
`coolingDeviceSubTypeIsAPowerSupply FanThatReadsinRPM(5)`	The cooling device subtype is a power supply fan that reads in RPMs.
`coolingDeviceSubTypeIsAPowerSupply FanThatReads- 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 537. 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 538. Temperature Probe Type

Variable Name: DellTemperatureProbeType	
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 539. Temperature Probe Discrete Reading

Variable Name: DellTemperatureDiscreteReading	
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.

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:

Table 540. 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

Table 541. 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

Table 541. Remote Flash BIOS Table Entry (continued)

Access	Not accessible
Index	`remoteFlashBIOSchassisIndex, remoteFlashBIOSIndex`

Table 542. 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

Table 543. 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

Table 544. 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 (Remote Flash BIOS State Capabilities Unique)
Access	Read-only

Table 545. 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 (Remote Flash BIOS State Settings)
Access	Read-only

Table 546. 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

Table 547. Remote Flash BIOS Last BIOS Date Name

Name	`remoteFlashBIOSLastBIOSDateName`
Object ID	1.3.6.1.4.1.674.10892.1.900.10.1.6

Table 547. Remote Flash BIOS Last BIOS Date Name (continued)

Description	Defines the date of the last BIOS update.
Syntax	DellDateName
Access	Read-only

Table 548. 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 (Remote Flash BIOS Completion Code)
Access	Read-only

Table 549. 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 550. 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 551. 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.

Table 551. Remote Flash BIOS State Settings (continued)

`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 552. Remote Flash BIOS Completion Code

Variable Name: `DellRemoteFlashBIOSCompletionCode`	
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.

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

Table 553. 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

Table 554. 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

Table 555. 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

Table 556. 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

Table 557. 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

Table 557. Pointing Port State Capabilities (continued)

Access	Read-only

Table 558. 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-only

Table 559. 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

Table 560. 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

Table 561. 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 Pointing Port Connector Type)
Access	Read-only

Table 562. 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

Table 563. 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

Table 563. Pointing Port BIOS Connector Type (continued)

Access	Read-only

Keyboard Port Table

Table 564. 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

Table 565. 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

Table 566. 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

Table 567. 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

Table 568. 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

Table 568. Keyboard Port State Capabilities (continued)

Access	Read-only

Table 569. 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

Table 570. 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

Table 571. 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

Table 572. 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 Keyboard Port Connector Types)
Access	Read-only

Table 573. 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

Table 574. 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

Table 574. Keyboard Port BIOS Connector Type (continued)

Access	Read-only

Processor Port Table

Table 575. 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

Table 576. 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

Table 577. 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

Table 578. 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

Table 579. 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

Table 580. 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-only

Table 581. 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

Table 582. 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

Table 583. 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 Processor Port Connector Types)
Access	Read-only

Table 584. 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

Table 585. 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

Table 586. 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

Table 587. 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

Table 588. 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

Table 589. 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

Table 590. 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

Table 590. Memory Device Port State Capabilities (continued)

Access	Read-only

Table 591. 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-only

Table 592. 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

Table 593. 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

Table 594. 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 Memory Device Port Connector Types)
Access	Read-only

Table 595. 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

Table 596. 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

Table 596. Memory Device Port BIOS Connector Type (continued)

Access	Read-only

Table 597. 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

Table 598. 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

Table 599. 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

Table 600. 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

Table 601. 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

Table 601. Monitor Port Chassis Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 602. 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

Table 603. 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

Table 604. 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-only

Table 605. 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

Table 606. 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

Table 607. 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.

Table 607. Monitor Port Connector Type (continued)

Syntax	DellMonitorPortConnectorTypes (See Monitor Port Connector Types)
Access	Read-only

Table 608. 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

Table 609. 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 Port Table

Table 610. Small Computer System Interface 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

Table 611. 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

Table 612. 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

Table 612. SCSI Port Chassis Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 613. 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

Table 614. 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

Table 615. 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-only

Table 616. 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

Table 617. 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

Table 618. 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.

Table 618. SCSI Port Connector Type (continued)

Syntax	DellSCSIPortConnectorType (See SCSI Port Connector Types)
Access	Read-only

Table 619. 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

Table 620. 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

Table 621. 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

Table 622. 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

Table 623. 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

Table 624. 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

Table 625. 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-only

Table 626. 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-only

Table 627. 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

Table 628. 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

Table 629. 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.

Table 629. Parallel Port Connector Type (continued)

Syntax	DellParallelPortConnectorType
Access	Read-only

Table 630. 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

Table 631. 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

Table 632. 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

Table 633. 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

Table 634. 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

Table 635. 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.

Table 635. Parallel Port DMA Support (continued)

Syntax	DellBoolean
Access	Read-only

Serial Port Table

Table 636. Serial Port

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

Table 637. 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
Index	serialPortchassisIndex , serialPortIndex

Table 638. 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

Table 639. 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

Table 640. 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.

Table 640. Serial Port State Capabilities (continued)

Syntax	DellStateCapabilities
Access	Read-only

Table 641. 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-only

Table 642. 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

Table 643. 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

Table 644. 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

Table 645. 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

Table 646. 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).

Table 646. Serial Port Maximum Speed (continued)

Syntax	DellUnsigned32BitRange
Access	Read-only

Table 647. 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

Table 648. 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

Table 649. 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 Port Table

Table 650. Universal Serial Bus Port

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

Table 651. 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	uSBPortchassisIndex , uSBPortIndex

Table 652. 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

Table 653. 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

Table 654. 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

Table 655. 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-only

Table 656. 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

Table 657. 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

Table 658. 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

Table 659. 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

Port Group Variable Values

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

Table 660. 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 661. Keyboard Port Connector Types

Variable Name : `DellKeyboardPortConnectorType`	
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 662. Processor Port Connector Types

Variable Name : `DellProcessorPortConnectorType`	
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 663. Memory Device Port Connector Types

Variable Name : `DellMemoryDevicePortConnectorType`	
Data Type: `Integer`	

Possible Data Values	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.

Table 663. Memory Device Port Connector Types (continued)

`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 664. 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 665. 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.

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
- Managed System Services Device Table
- SD Card Unit Table
- SD Card Device Table

Pointing Device Table

Table 666. 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 (Pointing Port Index).
Syntax	SEQUENCE OF PointingDeviceTableEntry
Access	Not accessible

Table 667. 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`

Table 668. 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

Table 669. 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

Table 670. 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

Table 671. 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-only

Table 672. 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

Table 673. 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

Table 674. 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 Pointing Device Type)
Access	Read-only

Table 675. 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

Table 676. 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 (Keyboard Port Index).
Syntax	SEQUENCE OF KeyboardDeviceTableEntry
Access	Not accessible

Table 677. 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

Table 678. 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

Table 679. 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

Table 680. 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

Table 681. 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-only

Table 682. 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

Table 683. 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

Table 684. 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

Table 685. 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

Table 686. 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

Table 687. 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

Table 688. 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

Table 689. 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

Table 690. 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

Table 691. 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-only

Table 692. 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

Table 693. 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

Table 694. 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 Processor Device Type)
Access	Read-only

Table 695. 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

Table 696. 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 Processor Device Status State)
Access	Read-only

Table 697. 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 Processor Device Family)
Access	Read-only

Table 698. 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

Table 699. 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

Table 700. 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

Table 701. 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

Table 702. 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 Processor Upgrade Information)

Table 702. Processor Device Upgrade Information (continued)

Access	Read-only

Table 703. 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

Table 704. 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

Table 705. 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

Table 706. 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

Table 707. 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). ⓘ **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. **Bit Position** — **Meaning if Set** **Bit 0** — Reserved **Bit 1** — Unknown **Bit 2** — 64-bit capable

Table 707. Processor Device Characteristics (continued)

	Bit Position	Meaning if Set
	Bit 3-15	Reserved
Syntax	DellUnsigned16BitRange	
Access	Read-only	

Table 708. 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). ⓘ **NOTE:** This attribute should consider processorDeviceDeprecatedCapabilities for deprecated values. **Bit Position**　**Meaning if Set** **Bit 0**　Virtualization Technology (VT) supported **Bit 1**　Demand-Based Switching (DBS) supported **Bit 2**　eXecute Disable (XD) supported **Bit 3**　Hyper-Threading (HT) supported
Syntax	DellUnsigned16BitRange
Access	Read-only

Table 709. 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). **Bit Position**　**Meaning if Set** **Bit 0**　Virtualization Technology (VT) supported **Bit 1**　Demand-Based Switching (DBS) supported **Bit 2**　eXecute Disable (XD) supported **Bit 3**　Hyper-Threading (HT) supported **Bit 4**　Turbo Mode (TM) supported
Syntax	DellUnsigned16BitRange
Access	Read-only

Table 710. 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

Table 711. 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

Table 712. 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

Table 713. Processor Device Deprecated Capabilities

Name	processorDeviceDeprecatedCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.26
Description	This attribute defines deprecated capabilities of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one). ⓘ **NOTE:** This attribute should be used to ignore deprecated Capabilities from processorDeviceExtendedCapabilities. The deprecated values should not be consumed or displayed as they might have default values. **Bit Position** — **Meaning if Set** **Bit 0** — Virtualization Technology (VT) is deprecated **Bit 1** — Demand-Based Switching (DBS) is deprecated **Bit 2** — eXecute Disable (XD) is deprecated **Bit 3** — Hyper-Threading (HT) is deprecated **Bit 4** — Turbo Mode (TM) is deprecated
Syntax	DellUnsigned16BitRange
Access	Read-only

Processor Device Status Table

Table 714. 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

Table 715. Processor Device Status Table Entry

Name	processorDeviceStatusTableEntry

Table 715. Processor Device Status Table Entry (continued)

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`

Table 716. 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

Table 717. 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

Table 718. 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

Table 719. 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-only

Table 720. Processor Device Status

Name	`processorDeviceStatusStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.5

Table 720. Processor Device Status (continued)

Description	Defines the status of the processor device status probe. This status is joined into the processorDeviceStatus attribute.
Syntax	DellStatus
Access	Read-only

Table 721. 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

Table 722. 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

Table 723. 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

Table 724. 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

Table 725. 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

Table 725. Cache Device Table Entry (continued)

Index	cacheDevicechassisIndex
	,
	cacheDeviceIndex

Table 726. 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

Table 727. 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

Table 728. Cache Device State Capabilities

Name	cacheDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.3
Description	Description Defines the capabilities of the cache device.
Syntax	DellStateCapabilities
Access	Read-only

Table 729. Cache Device State Settings

Name	cacheDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.4
Description	Description Defines the state of the cache device.
Syntax	DellStateSettings
Access	Read-only

Table 730. 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

Table 731. 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

Table 732. 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 Cache Device Type)
Access	Read-only

Table 733. 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 Cache Device Location)
Access	Read-only

Table 734. 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 Cache Device Status State)
Access	Read-only

Table 735. 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

Table 736. 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 Cache Device Level)
Access	Read-only

Table 737. 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

Table 738. 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

Table 739. 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

Table 740. 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 Cache Device Write Policy)
Access	Read-only

Table 741. 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

Table 742. 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 Cache Device ECC Type)

Access	Read-only

Table 743. 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 Cache Device Associativity)
Access	Read-only

Table 744. 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

Table 745. 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 Cache Device Static Random-Access Memory (SRAM) Type)
Access	Read-only

Memory Device Table

Table 746. 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

Table 747. 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

Table 747. Memory Device Table Entry (continued)

	,
	`memoryDeviceIndex`

Table 748. 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

Table 749. 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

Table 750. 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

Table 751. 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-only

Table 752. 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

Table 753. 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

Table 754. 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 Memory Device Type)
Access	Read-only

Table 755. 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-only

Table 756. Memory Device Error Count

> ⓘ **NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Error Count is no longer in use. If you use the Memory Device Error Count attribute, the value returned is always zero, and using the attribute has 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 resets the devices error counts.
Syntax	DellSigned32BitRange
Access	Read-only

Table 757. 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

Table 758. 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 Memory Device Type Details)
Access	Read-only

Table 759. 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 Memory Device Type Form Factor)
Access	Read-only

Table 760. 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

Table 761. Memory Device Size

NOTE: memoryDeviceSize is no longer in use. This attribute is deprecated and replaced by memoryDeviceExtendedSize.	
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

Table 762. Memory Device Speed

Name	memoryDeviceSpeed
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.15
Description	Defines the attribute defines the maximum capable speed in megahertz (MHz) of the memory device. Zero indicates an unknown speed.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 763. 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

Table 764. 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.

Table 764. Memory Device Total Data Bus Width (continued)

Syntax	DellUnsigned32BitRange
Access	Read-only

Table 765. Memory Device Correctable Memory Event Count

ⓘ **NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Correctable Memory Event Count is no longer used. If you use the Memory Device Correctable Memory Event Count attribute, the value returned is always zero, and using the attribute has 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

Table 766. Memory Device Uncorrectable Memory Event Count

ⓘ **NOTE:** Memory Device Failure Modes has now replaced this attribute. Memory Device Uncorrectable Memory Event Count is no longer used. If you use the Memory Device Uncorrectable Memory Event Count attribute, the value returned is always zero, and using the attribute has 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

Table 767. 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

Table 768. 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

Table 769. Memory Device Part Number Name

Name	`memoryDevicePartNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.22

Table 769. Memory Device Part Number Name (continued)

Description	Defines the manufacturer's part number for the memory device.
Syntax	DellString
Access	Read-only

Table 770. 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

Table 771. 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

Table 772. 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

Table 773. Memory Device Rank

Name	memoryDeviceRank
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.26
Description	This attribute defines the Rank of the memory device (DIMM). <table><tr><th>Value</th><th>Meaning</th></tr><tr><td>deviceRankIsUnknown(1)</td><td>Rank is unknown</td></tr><tr><td>deviceRankIsSingle(2)</td><td>Rank is Single</td></tr><tr><td>deviceRankIsDual(4)</td><td>Rank is Dual</td></tr><tr><td>deviceRankIsQuad(8)</td><td>Rank is Quad</td></tr><tr><td>deviceRankIsOctal(16)</td><td>Rank is Octal</td></tr><tr><td>deviceRankIsHexa(32)</td><td>Rank is Hexa</td></tr></table>

Table 773. Memory Device Rank (continued)

Syntax	DellMemoryDeviceRank
Access	Read-only

Table 774. Memory Device Extended Size

NOTE: This attribute replaces the `memoryDeviceExtendedSize`.	
Name	`memoryDeviceExtendedSize`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.27
Description	This attribute defines the size in MBytes of the memory device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 775. Memory Device Memory Technology

Name	`memoryDeviceMemoryTechnology`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.28
Description	Defines the Memory technology type of the memory device.
Syntax	DellMemoryDeviceMemoryTechnology
Access	Read-only

Table 776. Memory Device Non-Volatile Size

Name	`memoryDeviceNonVolatileSize`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.29
Description	Defines the size of the Non-volatile portion of the memory device in Mega Bytes (MB).
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 777. Memory Device Volatile Size

Name	`memoryDeviceVolatileSize`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.30
Description	Defines the size of the Volatile portion of the memory device in Mega Bytes (MB).
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 778. Memory Device Cache Size

Name	`memoryDeviceCacheSize`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.31
Description	Defines the size of the Cache portion of the memory device in Mega Bytes (MB).
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 779. Memory Device Wear Level

Name	`memoryDeviceWearLevel`

Table 779. Memory Device Wear Level (continued)

Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.32
Description	Defines the Remaining Rated Write Endurance of the memory device.
Syntax	DellUnsigned32BitRange
Access	Read-only

ⓘ **NOTE:** This attribute is applicable only for Non-Volatile family (NVDIMM-F, NVDIMM-N, NVDIMM-P and Intel Persistent Memory) of Memory devices. For other technology devices (DRAM) this attribute would be reported as 255 (0xFF) which can be ignored.

Memory Device Mapped Address Table

Table 780. 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

Table 781. 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

Table 782. 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

Table 783. 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

Table 783. Memory Device Mapped Address Index (continued)

Access	Read-only

Table 784. 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

Table 785. 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-only

Table 786. 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

Table 787. 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

Table 788. 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

Table 789. Memory Device Mapped Address Interleave Position

Name	memoryDeviceMappedAddressInterleavePosition
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.8

Table 789. Memory Device Mapped Address Interleave Position (continued)

Description	Defines the position of the referenced memory in an interleave of the memory device mapped address.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 790. 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

Table 791. 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

Table 792. 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

Table 793. 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

Table 794. 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

Table 794. Generic Device Table Entry (continued)

Index	genericDevicechassisIndex
	,
	genericDeviceIndex

Table 795. 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

Table 796. 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

Table 797. 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

Table 798. 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-only

Table 799. 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

Table 800. 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

Table 801. 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 Generic Device Type)
Access	Read-only

Table 802. 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

Table 803. 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

Table 804. 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	PCIDeviceTableEntry
Access	Not accessible
Index	pCIDevicechassisIndex , pCIDeviceIndex

Table 805. 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	DellObjectRange
Access	Read-only

Table 806. 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

Table 807. 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

Table 808. 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-only

Table 809. 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

Table 810. 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

Table 811. 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

Table 812. 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

Table 813. 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

Table 814. 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

Table 815. 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

Table 816. 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

Table 816. PCI Device Configuration Space Table (continued)

Access	Not accessible

Table 817. 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 , pCIDeviceConfigurationSpaceIndex

Table 818. 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

Table 819. 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

Table 820. 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

Table 821. 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-only

Table 822. 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

Table 823. 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

Table 824. 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

Table 825. 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

Table 826. 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

Table 827. 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

Table 828. 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

Table 829. 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
Index	networkDeviceChassisIndex , networkDeviceIndex

Table 830. 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

Table 831. 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

Table 832. 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

Table 833. 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 Network Device Connection Status)
Access	Read-only

Table 834. 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

Table 835. 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

Table 836. 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

Table 837. 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

Table 838. 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

Table 839. 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

Table 840. 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

Table 841. 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

Table 842. 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

Table 843. 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

Table 844. 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

Table 845. 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

Table 846. 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

Table 847. 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

Table 848. 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

Table 849. 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	DellUnsigned32BitRange
Access	Read-only

Table 850. 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/output port address of the network device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 851. 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 Network Device Teaming Flags)
Access	Read-only

Table 852. 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 Network Device TOE Capability Flags)
Access	Read-only

Table 853. 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

Table 854. 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 Network Device RDMA Capability Flags)
Access	Read-only

Table 855. 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

Table 856. 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 Network Device iSCSI Capability Flags)
Access	Read-only

Table 857. 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

Table 858. Network Device Capabilities

Name	networkDeviceCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.29
Description	Defines the capabilities of the network device.
Syntax	DellNetworkDeviceCapabilities (See Network Device Capabilities)
Access	Read-only

Table 859. Network Device NParEP Enabled

Name	networkDeviceNParEPEnabled
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.30
Description	Defines if NParEP mode is enabled for the network device. The values for the NParEPEnabled are: 1 - Disabled 2 - Enabled 3 - Unknown
Syntax	DellNetworkDeviceNParEPEnabled
Access	Read-only

Managed System Services Device Table

Table 860. Managed System Services Device Table

Name	
Object ID	1.3.6.1.4.1.674.10892.1.1100.100
Description	Defines the Managed System Services Device Table.
Syntax	Sequence of ManagedSystemServicesDeviceTable
Access	Not accessible

Table 861. Managed System Services Device Table Entry

Name	managedSystemServicesDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1
Description	Defines the managed system services device table entry.
Syntax	ManagedSystemServicesDeviceTableEntry
Access	Not accessible
Index	managedSystemServicesDeviceChassisIndex

Table 861. Managed System Services Device Table Entry (continued)

	,
	`managedSystemServicesDeviceIndex`

Table 862. Managed System Services Device Chassis Index

Name	managedSystemServicesDeviceChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.1
Description	Defines the index (one-based) of the chassis that contains the managed system services device.
Syntax	DellObjectRange
Access	Read-only

Table 863. Managed System Services Device Index

Name	managedSystemServicesDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.2
Description	Defines the index (one-based) of the managed system services device.
Syntax	DellObjectRange
Access	Read-only

Table 864. Managed System Services Device Status

Name	managedSystemServicesDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.3
Description	Defines the status of the managed system services device.
Syntax	DellStatus
Access	Read-only

Table 865. Managed System Services Device Type

Name	managedSystemServicesDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.4
Description	Defines the type of the managed system services device.
Syntax	DellManagedSystemServicesDeviceType (See Managed System Services Device Type)
Access	Read-only

Table 866. Managed System Services Device Storage Present

Name	managedSystemServicesDeviceStoragePresent
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.5
Description	Defines whether storage is present on the managed system services device.
Syntax	DellBoolean
Access	Read-only

Table 867. Managed System Services Device Storage Size

Name	managedSystemServicesDeviceStorageSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.6

Table 867. Managed System Services Device Storage Size (continued)

Description	Defines the size in Megabytes (MB) of the storage present on the managed system services device.
Syntax	DellUnsigned32BitRange
Access	Read-only

SD Card Unit Table

Table 868. SD Card Unit Table

Name	sdCardUnitTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.110
Description	Defines the SD Card Unit Table.
Syntax	SEQUENCE OF SdCardUnitTableEntry
Access	Not accessible

Table 869. SD Card Unit Table Entry

Name	sdCardUnitTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1
Description	Defines the SD Card Unit Table Entry.
Syntax	SdCardUnitTableEntry
Access	Not accessible
Index	sdCardUnitChassisIndex , sdCardUnitIndex

Table 870. SD Card Unit Chassis Index

Name	sdCardUnitChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.1
Description	Defines the index (one-based) of the chassis that contains the SD Card unit.
Syntax	DellObjectRange
Access	Read-only

Table 871. SD Card Unit Index

Name	sdCardUnitIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.2
Description	Defines the index (one-based) of the SD Card unit.
Syntax	DellObjectRange
Access	Read-only

Table 872. SD Card Unit State Capabilities

Name	sdCardUnitStateCapabilities

Table 872. SD Card Unit State Capabilities (continued)

Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.3
Description	Defines the state capabilities of the SD Card unit.
Syntax	DellStateCapabilities
Access	Read-only

Table 873. SD Card Unit State Settings

Name	sdCardUnitStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.4
Description	Defines the state settings of the SD Card unit.
Syntax	DellStateSettings
Access	Read-only

Table 874. SD Card Unit Redundancy Status

Name	sdCardUnitRedundancyStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.5
Description	Defines the redundancy status of the SD Card unit.
Syntax	DellStatusRedundancy
Access	Read-only

Table 875. SD Card Unit Count For Redundancy

Name	sdCardUnitCountForRedundancy
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.6
Description	Defines the total number of SD Card devices required for this SD Card unit to have full redundancy.
Syntax	DellObjectRange
Access	Read-only

Table 876. SD Card Unit Name

Name	sdCardUnitName
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.7
Description	Defines the name of the SD Card unit.
Syntax	DellString
Access	Read-only

Table 877. SD Card Unit Status

Name	sdCardUnitStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.8
Description	Defines the status of the SD Card unit.
Syntax	DellStatus
Access	Read-only

SD Card Device Table

Table 878. SD Card Device Table

Name	sdCardDeviceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.112
Description	Defines the SD Card Device Table.
Syntax	SEQUENCE OF SdCardDeviceTableEntry
Access	Not accessible

Table 879. SD Card Device Table Entry

Name	sdCardDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1
Description	Defines the SD Card Device Table Entry.
Syntax	SdCardDeviceTableEntry
Access	Not accessible
Index	sdCardDeviceChassisIndex , sdCardDeviceIndex

Table 880. SD Card Device Chassis Index

Name	sdCardDeviceChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.1
Description	Defines the index (one-based) of the chassis that contains the SD Card device.
Syntax	DellObjectRange
Access	Read-only

Table 881. SD Card Device Index

Name	sdCardDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.2
Description	Defines the index (one-based) of the SD Card device.
Syntax	DellObjectRange
Access	Read-only

Table 882. SD Card Device Status

Name	sdCardDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.3
Description	Defines the status of the SD Card device.
Syntax	DellStatus
Access	Read-only

Table 883. SD Card Device Type

Name	sdCardDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.4
Description	Defines the type of the SD Card device.
Syntax	DellSDCardDeviceType
Access	Read-only

Table 884. SD Card Device Config Capabilities

Name	sdCardDeviceConfigCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.5
Description	Defines the configuration capabilities of the SD Card device.
Syntax	DellSDCardDeviceConfigCapabilities
Access	Read-only

Table 885. SD Card Device Config Settings

Name	sdCardDeviceConfigSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.6
Description	Defines the configuration settings of the SD Card device.
Syntax	DellSDCardDeviceConfigSettings
Access	Read-only

Table 886. SD Card Device Location Name

Name	sdCardDeviceLocationName
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.7
Description	Defines the location of the SD Card device.
Syntax	DellString
Access	Read-only

Table 887. SD Card Device Card Present

Name	sdCardDeviceCardPresent
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.8
Description	Defines whether the SD Card is present for the SD Card device.
Syntax	DellBoolean
Access	Read-only

Table 888. SD Card Device Card State

Name	sdCardDeviceCardState
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.9
Description	Defines the state of the SD Card.
Syntax	DellSDCardDeviceCardState
Access	Read-only

Table 889. SD Card Device Card Storage Size

Name	sdCardDeviceCardStorageSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.10
Description	Defines the storage size in MB (megabytes) of the SD card for the SD Card device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 890. SD Card Device Unit Index Reference

Name	sdCardDeviceUnitIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.11
Description	Defines the index to the associated SD Card unit if the SD Card device is part of a SD Card unit.
Syntax	DellObjectRange
Access	Read-only

Table 891. SD Card Device Card Available Storage Size

Name	sdCardDeviceCardAvailableStorageSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.12
Description	Defines the available storage size in MB (megabytes) of the SD card for the SD card device.
Syntax	DellSigned32BitRange
Access	Read-only

Table 892. SD Card Device Card Licensed

Name	sdCardDeviceCardLicensed
Object ID	1.3.6.1.4.1.674.10892.1.1100.112.1.13
Description	Defines whether the SD card is licensed by the system vendor.
Syntax	DellSDCardDeviceCardLicensed
Access	Read-only

Device Group Variable Values

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

Table 893. 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.

Table 893. Pointing Device Type (continued)

`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 894. 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 895. 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 896. 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:	

Table 896. Processor Device Type (continued)

`deviceTypeIsUnknown (2)`	The processor device type is unknown.
`deviceTypeIsCPU(3)`	The processor device type is a central processing unit.
`deviceTypeIsMathPro cessor(4)`	The processor device type is a math processor.
`deviceTypeIsDSP(5)`	The processor device type is a digital signal processor.
`deviceTypeIsAVideoP rocessor(6)`	The processor device is a video processor.

Table 897. Processor Upgrade Information

Variable Name:`DellProcessorUpgradeInformation` **Data Type:**`Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeIsOther(1 )`	The upgrade device type is not one of the following:
`processorUpgradeIsU nknown(2)`	Upgrade device type is unknown.
`processorUpgradeIsB yDaughterBoard(3)`	Upgrade device is on a daughter board.
`processorUpgradeIsB yZIFSocket(4)`	Upgrade device is in a zero insertion force (ZIF) socket.
`processorUpgradeIsB yReplacement(5)`	Upgrade device is a replacement.
`processorUpgradeIsN one(6)`	There is no upgrade device.
`processorUpgradeIsB yLIFSocket(7)`	Upgrade device is in a low insertion force (LIF) socket.
`processorUpgradeIsB ySlot1(8)`	Upgrade device is a SLOT 1 processor.
`processorUpgradeIsB ySlot2(9)`	Upgrade device is a SLOT 2 processor.
`processorUpgradeIsB y370PinSocket(10)`	Upgrade device is a 370 pin socket.
`processorUpgradeIsB ySlotA(11)`	Upgrade is by Slot A.
`processorUpgradeIsB ySlotM(12)`	Upgrade is by Slot M.
`processorUpgradeIsB yScoket423(13)`	Upgrade is by Socket 423.
`processorUpgradeIsB ySocketA(14)`	Upgrade is by Socket A (Socket 462).
`processorUpgradeIsB ySocket478(15)`	Upgrade is by Socket 478.
`processorUpgradeIsB ySocket754(16)`	Upgrade is by Socket 754.

Table 897. Processor Upgrade Information (continued)

`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.
`processorUpgradeIsBySocketS1(22)`	Upgrade is by Socket S1.
`processorUpgradeIsBySocketAM2(23)`	Upgrade is by Socket AM2.
`processorUpgradeIsBySocketF(24)`	Upgrade is by Socket F (1207).
`processorUpgradeIsBySocketLGA1366(25)`	Upgrade is by Socket LGA1366.

Table 898. 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.
`deviceFamilyUnknown(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.

Table 898. Processor Device Family (continued)

`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.
`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.
`deviceFamilyIsIntelCoreDuo(40)`	The processor family is Intel Core Duo.
`deviceFamilyIsIntelCoreDuoMobi le(41)`	The processor family is Intel Core Duo mobile.

Table 898. Processor Device Family (continued)

`deviceFamilyIsIntelCoreS oloMob ile(42)`	The processor family is Intel Core Solo mobile.
`deviceFamilyIsIntelAtom( 43)`	The processor family is Intel Atom.
`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.
`deviceFamilyIsAlpha21164 PC(52)`	The processor family is Alpha 21164PC.
`deviceFamilyIsAlpha21164 a(53)`	The processor family is Alpha 21164a.
`deviceFamilyIsAlpha21264 (54)`	The processor family is Alpha 21264.
`deviceFamilyIsAlpha21364 (55)`	The processor family is Alpha 21364.
`deviceFamilyIsAMDTurionI IUltra DualMobileM(56)`	The processor family is AMD Turion II Ultra Dual-Core Mobile M Processor Family.
`deviceFamilyIsAMDTurionI IDualM obileM(57)`	The processor family is AMD Turion II Dual-Core Mobile M Processor Family. .
`deviceFamilyIsAMDAthlonI IDualM obileM(58)`	The processor family is AMD Athlon II Dual-Core Mobile M Processor Family.
`deviceFamilyIsAMDOpteron 6100 (59)`	The processor family is AMD Opteron 6100 Series Processor.
`deviceFamilyIsAMDOpteron 4100 (60)`	The processor family is AMD Opteron 4100 Series Processor.
`deviceFamilyIsAMDOpteron 6200 (61)`	The processor family is AMD Opteron 6200 Series Processor.
`deviceFamilyIsAMDOpteron 4200 (62)`	The processor family is AMD Opteron 4200 Series Processor.
`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 898. Processor Device Family (continued)

`deviceFamilyIsmicroSPARC II(82)`	The processor family is microSPARC II.
`deviceFamilyIsmicroSPARC IIep (83)`	The processor family is microSPARC IIep.
`deviceFamilyIsUltraSPARC (84)`	The processor family is UltraSPARC.
`deviceFamilyIsUltraSPARC II(85)`	The processor family is UltraSPARC II.
`deviceFamilyIsUltraSPARC IIi(86)`	The processor family is UltraSPARC IIi.
`deviceFamilyIsUltraSPARC III(87)`	The processor family is UltraSPARC III.
`deviceFamilyIsUltraSPARC IIIi (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 6800.
`deviceFamilyIs68010(99)`	The processor family is 68010.
`deviceFamilyIs68020(100)`	The processor family is 68020.
`deviceFamilyIs68030(101)`	The processor family is 68030.
`deviceFamilyIsAMDZen(107)`	The processor family is AMD Zen.
`deviceFamilyIsHobbit(112)`	The processor family is Hobbit.
`deviceFamilyIsCrusoe5000(120)`	The processor family is Crusoe 5000.
`deviceFamilyIsCrusoe3000(121)`	The processor family is Crusoe 3000.
`deviceFamilyIsEfficeon8000 (122)`	The processor family is Efficeon 8000.
`deviceFamilyIsWeitek(128)`	The processor family is Weitek.
`deviceFamilyIsIntelCeleronM(130)`	The processor family is Intel Celeron M.
`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.
`deviceFamilyIsDualCoreAMDOpter on(135)`	The processor family is Dual-Core AMD Opteron.
`deviceFamilyIsAMDAthlon64X2Dual Core(136)`	The processor family is AMD Athlon 64 X2 Dual-Core.

Table 898. Processor Device Family (continued)

`deviceFamilyIsAMDTurion6 4X2Mob ile(137)`	The processor family is AMD Turion 64 X2 Mobile Technology.
`deviceFamilyIsQuadCoreAM DOpter on(138)`	The processor family is Quad-Core AMD Opteron.
`deviceFamilyIsThirdGener ation AMDOpteron(139)`	The processor family is thirdgeneration AMD Opteron.
`deviceFamilyIsAMDPhenomF XQuadC ore(140)`	The processor family is AMD Phenom FX Quad-Core.
`deviceFamilyIsAMDPhenomX 4QuadC ore(141)`	The processor family is AMD Phenom X4 Quad-Core.
`deviceFamilyIsAMDPhenomX 2DualC ore(142)`	The processor family is AMD Phenom X2 Dual-Core.
`deviceFamilyIsAMDAthlonX 2DualC ore(143)`	The processor family is AMD Athlon X2 Dual-Core.
`deviceFamilyIsPA- RISC(144)`	The processor family is PA-RISC.
`deviceFamilyIsPA- RISC8500(145)`	The processor family is PA-RISC 8500.
`deviceFamilyIsPA- RISC8000(146)`	The processor family is PA-RISC 8000.
`deviceFamilyIsPARISC7300 LC( 147)`	The processor family is PA-RISC 7300LC.
`deviceFamilyIsPA- RISC7200(148)`	The processor family is PA-RISC 7200.
`deviceFamilyIsPARISC7100 LC( 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.
`deviceFamilyIsQuadCoreIn telXeon3200(161)`	The processor family is Quad-Core Intel Xeon processor 3200 Series.
`deviceFamilyIsDualCoreIn telXeon3000(162)`	The processor family is Dual-Core Intel Xeon processor 3000 Series.
`deviceFamilyIsQuadCoreIn telXeon5300(163)`	The processor family is Quad-Core Intel Xeon processor 5300 Series.
`deviceFamilyIsDualCoreIn telXeon5100(164)`	The processor family is Dual-Core Intel Xeon processor 5100 Series.
`deviceFamilyIsDualCoreIn telXeon5000(165)`	The processor family is Dual-Core Intel Xeon processor 5000 Series.
`deviceFamilyIsDualCoreIn telXeonLV(166)`	The processor family is Dual-Core Intel Xeon processor LV.
`deviceFamilyIsDualCoreIn telXeonULV(167)`	The processor family is Dual-Core Intel Xeon processor ULV.
`deviceFamilyIsDualCoreIn telXeon7100(168)`	The processor family is Dual-Core Intel Xeon processor 7100 Series.
`deviceFamilyIsQuadCoreIn telXeon5400(169)`	The processor family is Quad-Core Intel Xeon processor 5400 Series.

Table 898. Processor Device Family (continued)

`deviceFamilyIsQuadCoreIntelXeon(170)`	The processor family is Quad-Core Intel Xeon.
`deviceFamilyIsDualCoreIntelXeon5200(171)`	The processor family is Dual-Core Intel Xeon processor 5200 Series.
`deviceFamilyIsDualCoreIntelXeon7200(172)`	The processor family is Dual-Core Intel Xeon processor 7200 Series.
`deviceFamilyIsQuadCoreIntelXeon7300(173)`	The processor family is Quad-Core Intel Xeon processor 7300 Series.
`deviceFamilyIsQuadCoreIntelXeon7400(174)`	The processor family is Quad-Core Intel Xeon processor 7400 Series.
`deviceFamilyIsMultiCoreIntelXeon7400(175)`	The processor family is Multi-Core Intel Xeon processor 7400 Series.
`deviceFamilyIsM1(176)`	The processor family is M1.
`deviceFamilyIsM2(177)`	The processor family is M2.
`deviceFamilyIsIntelPentium4HT (179)`	The processor family is Intel Pentium 4 HT processor.
`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.
`deviceFamilyIsIntelCoreSolo (189)`	The processor family is Intel Core Solo processor.
`deviceFamilyIsIntelCore2 (190)`	The processor family is Intel Core 2 processor.
`deviceFamilyIsIntelCore2Duo (191)`	The processor family is Intel Core 2 Duo processor.
`deviceFamilyIsIntelCore2Solo (192)`	The processor family is Intel Core2 Solo processor.
`deviceFamilyIsIntelCore2Extreme(193)`	The processor family is Intel Core2 Extreme processor.
`deviceFamilyIsIntelCore2Quad (194)`	The processor family is Intel Core2 Quad processor.
`deviceFamilyIsIntelCore2Extrem eMobile(195)`	The processor family is Intel Core2 Extreme mobile processor.
`deviceFamilyIsIntelCore2DuoMob ile(196)`	The processor family is Intel Core2 Duo mobile processor.

Table 898. Processor Device Family (continued)

`deviceFamilyIsIntelCore2 SoloMo bile(197)`	The processor family is Intel Core2 Solo mobile processor.
`deviceFamilyIsIntelCorei 7(198)`	The processor family is Intel Core i7 processor.
`deviceFamilyIsDualCoreIn telCel eron(199)`	The processor family is Dual-Core Intel Celeron Processor.
`deviceFamilyIsIBM390(200 )`	The processor family is IBM390.
`deviceFamilyIsG4(201)`	The processor family is G4.
`deviceFamilyIsG5(202)`	The processor family is G5.
`deviceFamilyIsESA390G6(2 03)`	The processor family is ESA/390 G6.
`deviceFamilyIszArchitect ur (204)`	The processor family is z/Architectur base.
`deviceFamilyIsIntelCorei 5(205)`	The processor family is Intel Core i5 processor.
`deviceFamilyIsIntelCorei 3(206)`	The processor family is Intel Core i3 processor.
`deviceFamilyIsVIAC7- M(210)`	The processor family is VIA C7-M.
`deviceFamilyIsVIAC7- D(211)`	The processor family is family is VIA C7-D.
`deviceFamilyIsVIAC7(212)`	The processor family is VIA C7.
`deviceFamilyIsVIAEden(21 3)`	The processor family is VIA Eden.
`deviceFamilyIsMultiCoreI ntelXe on(214)`	The processor family is Multi-Core Intel Xeon processor.
`deviceFamilyIsDualCoreIn telXeo n3xxx(215)`	The processor family is Dual-Core Intel Xeon processor 3xxx Series.
`deviceFamilyIsQuadCoreIn telXeo n3xxx(216)`	The processor family is Quad-Core Intel Xeon processor 3xxx Series.
`deviceFamilyIsVIANano(21 7)`	The processor family is VIA Nano.
`deviceFamilyIsDualCoreIn telXeo n5xxx(218)`	The processor family is Dual-Core Intel Xeon processor 5xxx Series.
`deviceFamilyIsQuadCoreIn telXeo n5xxx(219)`	The processor family is Quad-Core Intel Xeon processor 5xxx Series.
`deviceFamilyIsDualCoreIn telXeo n7xxx(221)`	The processor family is Dual-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsQuadCoreIn telXeo n7xxx(222)`	The processor family is Quad-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsMultiCoreI ntelXe on7xxx(223)`	The processor family is Multi-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsMultiCoreI ntelXe on3400(224)`	The processor family is Multi-Core Intel Xeon processor 3400 Series.
`deviceFamilyIsEmbeddedAM DOpert onQuadCore(230)`	The processor family is Embedded AMD Opteron Quad-Core.

Table 898. Processor Device Family (continued)

`deviceFamilyIsAMDPhenomTripleC ore(231)`	The processor family is AMD Phenom Triple-Core.
`deviceFamilyIsAMDTurionUltraDu alCoreMobile(232)`	The processor family is AMD Turion Ultra Dual-Core mobile processor.
`deviceFamilyIsAMDTurionDualCor eMobile(233)`	The processor family is AMD Turion Dual-Core mobile processor.
`deviceFamilyIsAMDAthlonDualCor e(234)`	The processor family is AMD Athlon Dual-Core.
`deviceFamilyIsAMDSempron SI (235)`	The processor family is AMD Sempron SI.
`deviceFamilyIsAMDPhenomII(236)`	The processor family is AMD Phenom II.
`deviceFamilyIsAMDAthlonII(237)`	The processor family is AMD Athlon II.
`deviceFamilyIsSixCoreAMDOptero n(238)`	The processor family is Six-Core AMD Opteron.
`deviceFamilyIsAMDSempron M(239)`	The processor family is AMD Sempron M.
`deviceFamilyIsi860(250)`	The processor family is i860.
`deviceFamilyIsi960(251)`	The processor family is i960.
`deviceFamilyIsAMDOpteron 6200 (261)`	The processor family family is AMD Opteron 6200 Series Processor.

Table 899. 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.
`deviceTypeIsInstruc tion(3)`	System cache type is instruction.
`deviceTypeIsData(4)`	System cache type is data.
`deviceTypeIsUnified (5)`	System cache type is both instruction and data.

Table 900. 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:
`deviceLevelIsUnknow n(2)`	Device level is unknown.

Table 900. Cache Device Level (continued)

`deviceLevelIsPrimary(3)`	Device level is primary.
`deviceLevelIsSecondary(4)`	Device level is secondary.
`deviceLevelIsTertiary(5)`	Device level is tertiary.

Table 901. 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 902. 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 903. 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.

Table 903. Cache Device ECC Type (continued)

`deviceTypeIsATrackB all(4)`	Device type is a track ball.
`deviceTypeIsATrackP oint(5)`	Device type is a track point.
`deviceTypeIsAGlideP oint(6)`	Device type is a glide point.
`deviceTypeIsATouchP ad(7)`	Device type is a touch pad.

Table 904. Cache Device Associativity

Variable Name:`DellCacheDeviceAssociativity`

Data Type:`Integer`

Possible Data Values	Meaning of Data Value
`deviceAssociativity IsOther(1)`	Device associativity is not one of the following:
`deviceAssociativity IsUnknown(2)`	Device associativity is unknown.
`deviceAssociativity IsDirectMapped(3)`	Device is direct mapped.
`deviceAssociativity IsTwoWaySetAssociat ive(4)`	Device is two-way set associative.
`deviceAssociativity IsFourWaySetAssocia tive(5)`	Device is four-way set associative.
`deviceAssociativity IsFullyAssociative (6)`	Device is fully associative.
`deviceAssociativity IsEightWaySetAssoci ative(7)`	Device is eight-way set associative.
`deviceAssociativity IsSixteenWaySetAsso ciative(8)`	Device is sixteen-way set associative.
`deviceAssociativity Is12WaySetAssociati ve(9)`	Device is 12-way Set-Associative.
`deviceAssociativity Is24WaySetAssociati ve(10)`	Device is 24-way Set-Associative.
`deviceAssociativity Is32WaySetAssociati ve(11)`	Device is 32-way Set-Associative.
`deviceAssociativity Is48WaySetAssociati ve(12)`	Device is 48-way Set-Associative.
`deviceAssociativity Is64WaySetAssociati ve(13)`	Device is 64-way Set-Associative.

Table 905. 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 906. 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 907. 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.

Table 907. Memory Device Type Form Factor (continued)

`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 908. Memory Device Type

Variable Name:`DellMemoryDeviceType`		
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.	

Table 908. Memory Device Type (continued)

`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.
`deviceTypeIsDDR3(24)`	Device type is DDR3.
`deviceTypeIsFBD2(25)`	Device type is FBD2.
`deviceTypeIsDDR4(26)`	Device type is DDR4.

Table 909. Memory Device Type Details

Variable Name: `DellMemoryDeviceTypeDetails` **Data Type:** `Integer`		
Possible Data Values	**Meaning of Data Value**	
`deviceTypeDetailIsOther(2)`	The detailed device type is not one of the following:	
`deviceTypeDetailIsUnknown(4)`	The detailed device type is unknown.	
`deviceTypeDetailIsFastPaged (8)`	The detailed device type is fast paged.	
`deviceTypeDetailIsStaticColum n(16)`	The detailed device type is static column.	
`deviceTypeDetailIsPseudoStati c(32)`	The detailed device type is pseudo-static.	
`deviceTypeDetailIsRAMBUS(64)`	The detailed device type is RAMBUS.	
`deviceTypeDetailIsSynchronous (128)`	The detailed device type is synchronous.	
`deviceTypeDetailIsCMOS(256)`	The detailed device type is CMOS.	
`deviceTypeDetailIsEDO(512)`	The detailed device type is EDO.	
`deviceTypeDetailIsWindowDRAM (1024)`	The detailed device type is Window DRAM.	
`deviceTypeDetailIsCacheDRAM (2048)`	The detailed device type is Cache DRAM.	

Table 909. Memory Device Type Details (continued)

`deviceTypeDetailIsNonVolatile (4096)`	The detailed device type is Non-volatile.
`deviceTypeDetailIsRegistered (8192)`	The detailed device type is registered.
`deviceTypeDetailIsNonRegistered(16384)`	The detailed device type is nonregistered.

Table 910. Generic Device Type

Variable Name:`DellGenericDeviceType`	
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 911. 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.
`nvdimmNotReady(32)`	NVDIMM is Not Ready
`nvdimmSaveError(64)`	NVDIMM Save Error

Table 911. Memory Device Failure Modes (continued)

nvdimmRestoreErrorOrTime out(128)	NVDIMM Restore Error or Restore Timeout
nvdimmIllegalConfigurati on(256)	Illegal NVDIMM Configuration
nvdimmNotResponding(512)	NVDIMM is Not Responding
nvdimmArmFailureOrTimeou t(1024)	NVDIMM Arm Failure or Arm Timeout
nvdimmsInWriteProtectMod e(2048)	All NVDIMMs in Write-Protect Mode
nvmLifetimeExpired(4096)	NVM Lifetime Expired
nvdimmPersistencyLost(81 92)	NVDIMM Persistency Lost
nvdimmPersistencyRestore d(16384)	NVDIMM Persistency Restored
nvmLifetimeLessThanFiveP ercent(32768)	NVM Lifetime less than Five Percent

Table 912. Device Memory Technology

Variable Name: DellMemoryDeviceMemoryTechnology **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
other(1)	Technology is Other.
unknown(2)	Technology is Unknown.
dram(3)	Technology is DRAM.
nvdimm-n(4)	Technology is NVDIMM-N.
nvdimm-f(5)	Technology is NVDIMM-F.
nvdimm-p(6)	Technology is NVDIMM-P.
intelpersistentmemo ry(7)	Technology is Intel Persistent Memory.

Table 913. 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(1 1)	Hardware is resetting.

Table 913. Network Device Connection Status (continued)

`hardwareClosing(12)`	Hardware is closing down.
`hardwareNotReady(13)`	Hardware is not ready.

Table 914. 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 915. 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 916. 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.

Table 916. Network Device RDMA Capability Flags (continued)

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 917. 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.

Table 918. Network Device Capabilities

Variable Name: DellNetworkDeviceCapabilities **Data Type:** Integer ⓘ **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
notSupported(0)	Device does not support reporting capabilities through this attribute.
supported(1)	Device supports reporting capabilities through this attribute.
toe(2)	Device has TOE capability.
iscsiOffload(4)	Device has iSCSI Offload capability.
fcoeOffload(8)	Device has FCoE Offload capability.

Table 919. Network Device NParEPEnabled

Variable Name: DellNetworkDeviceNParEPEnabled **Data Type:** Integer ⓘ **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
Disabled(1)	Device does not support NParEP mode.
enabled(2)	Device supports NParEP mode.
unknown(3)	Device does not recognize NParEP mode.

Table 920. Managed System Services Device Type

Variable Name:DellManagedSystemServicesDeviceType	
Data Type:Integer	
Possible Data Values	**Meaning of Data Value**
baseDevice(0)	Device type is base device.
optionalDevice(1)	Device type is optional device.

Table 921. SD Card Device Type

Variable Name:DellSDCardDeviceType	
Data Type:Integer	
Possible Data Values	**Meaning of Data Value**
other(1)	Device type is other.
unknown(2)	Device type is unknown.
hypervisor(3)	Device type is Hypervisor.
vFlash(4)	Device type is Virtual Flash (vFlash.)

Table 922. SD Card Device Config Capabilities

Variable Name:DellSDCardDeviceConfigCapabilities	
Data Type:Integer	
ⓘ **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
none(0)	SD card device has none of the following capabilities.
sdCapable(1)	SD media can be enabled.
vFlashCapable(2)	Virtual Flash (vFlash) can be enabled.

Table 923. SD Card Device Config Settings

Variable Name:DellSDCardDeviceConfigSettings	
Data Type:Integer	
ⓘ **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
none(0)	SD card device has none of the following settings.
sdEnabled(1)	SD media is enabled.
vFlashEnabled(2)	Virtual Flash (vFlash) is enabled.

Table 924. SD Card Device Card State

Variable Name:DellSDCardDeviceCardState	
Data Type:Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	SD card state is none of the following states.
present(1)	Device is present.
ipmiReady(2)	Device is IPMI ready.

Table 924. SD Card Device Card State (continued)

`fullReady(4)`	Device is full ready.
`offline(8)`	Device is offline.
`failed(16)`	Device is failed.
`active(32)`	Device is active.
`bootable(64)`	Device is bootable.
`writeProtect(128)`	Device is write-protected.
`standby(256)`	Device is in standby mode.

Table 925. SD Card Device Card Licensed

Variable Name:`DellSDCardDeviceCardLicensed` **Data Type:**`Integer`		
Possible Data Values	**Meaning of Data Value**	
`unlicensed(0)`	SD card is not licensed by system vendor.	
`licensed(1)`	SD card is licensed by system vendor.	
`ipmiReady(2)`	Device is IPMI ready.	
`fullReady(4)`	Device is full ready.	
`offline(8)`	Device is offline.	
`failed(16)`	Device is failed.	
`active(32)`	Device is active.	
`bootable(64)`	Device is bootable.	
`writeProtect(128)`	Device is write-protected.	
`standby(256)`	Device is in standby mode.	

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.

The following object sets up the System Slot Table:

Table 926. 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

Table 927. 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

Table 928. 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

Table 929. 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

Table 930. 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 (System Slot State Capabilities)
Access	Read-only

Table 931. 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 (System Slot State Settings)
Access	Read-only

Table 932. System Slot Status

Name	systemSlotStatus
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.5

Table 932. System Slot Status (continued)

Description	Defines the status of the system slot.
Syntax	DellStatus
Access	Read-only

Table 933. 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

Table 934. 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 (System Slot Type)
Access	Read-only

Table 935. 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

Table 936. 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 (System Slot Length)
Access	Read-only

Table 937. 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

Table 938. System Slot Category

Name	systemSlotCategory

Table 938. System Slot Category (continued)

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

Table 939. 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 (Hot-Plug Bus Width)
Access	Read-only

Table 940. 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

Table 941. 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 942. 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.
systemSlotHotPlugIsHotPlug gableCapable(2)	The system slot supports hot-plug.
systemSlotHotPlugCanBePower edOn(4)	The system slot power (and corresponding light-emitting diode [LED]) can be powered on.
systemSlotHotPlugCanSignal Attention(8)	The system slot attention state (and corresponding LED) can be set.

Table 942. System Slot State Capabilities (continued)

`systemSlotHotPlugCanSignal PowerFault(16)`	Power on fault (and corresponding LED) can be detected due to a short or overcurrent.
`systemSlotHotPlugCanSignal AdapterPresent(32)`	Adapter (card) present in slot (may not be powered) can be detected.
`systemSlotHotPlugCanSignal PowerButtonPressed(64)`	The system slot power button can be pressed to signal a toggle of the power state.
`canSupportAllHotPlugCapabi lities(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.
`systemSlotCanProvide3Point 3Volts(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.
`systemSlotCanSupportZoomVid eo(4096)`	The system slot can support Zoom Video.
`systemSlotCanSupportModem RingResume(8192)`	The system slot can support modem ring resume.
`systemSlotCanSupportPMESig nal(16384)`	The system slot can support Power Management Enable (PME#) signal.
`canSupportAllSlotCapabilit ies(32640)`	The system slot can support all slot capabilities.

Table 943. 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).
`systemSlotHotPlugAdapterPresentAnd PoweredOn(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.

Table 943. System Slot State Settings (continued)

`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.
`supportsPMEand3P3Vand5VhasAdapterO n(16804)`	The system slot supports power management event (PME), supplies 3.3 V, and supplies 5 V. The adapter is on.
`supportsPMEand3P3Vand5VhasAdapter OnandisHotPluggable(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.
`supportsPMEand3P3VIsSharedand5Vhas AdapterOnandisHotPluggable(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 944. System Slot Type

Variable Name: `DellSystemSlotType`	
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).
`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.
`systemSlotIsPCIX(18)`	The system slot type is PCI-X.

Table 944. System Slot Type (continued)

`systemSlotIsAGP8X(19)`	The system slot type is an AGP 8X card.
`systemSlotIsM2Socket1DP(20)`	The system slot type is M.2 Socket 1-DP (Mechanical Key A).
`systemSlotIsM2Socket1SD(21)`	The system slot type is M.2 Socket 1-SD (Mechanical Key E).
`systemSlotIsM2Socket2(22)`	The system slot type is M.2 Socket 2 (Mechanical Key B).
`systemSlotIsM2Socket3(23)`	The system slot type is M.2 Socket 3 (Mechanical Key M).
`systemSlotIsMXMT1(24)`	The system slot is MXM Type I.
`systemSlotIsMXMT2(25)`	The system slot is MXM Type II.
`systemSlotIsMXMT3SC(26)`	The system slot is MXM Type III (standard connector).
`systemSlotIsMXMT3HEC(27)`	The system slot is MXM Type III (HE connector).
`systemSlotIsMXMT4(28)`	The system slot is MXM Type IV.
`systemSlotIsMXM3TA(29)`	The system slot is MXM 3.0 Type A.
`systemSlotIsMXM3TB(30)`	The system slot is MXM 3.0 Type B.
`systemSlotIsPCIEGEN2SFF8639(31)`	The system slot is PCI Express Gen 2 SFF-8639.
`systemSlotIsPCIEGEN3SFF8639(32)`	The system slot is PCI Express Gen 3 SFF-8639.
`systemSlotIsPCIEMINI52PWBK(33)`	The system slot is PCI Express Mini 52-pin with bottom-side keep-outs.
`systemSlotIsPCIEMINI52PWOBK(34)`	The system slot is PCI Express Mini 52-pin without bottom-side keep-outs.
`systemSlotIsPCIEMINI76P(35)`	The system slot is PCI Express Mini 76-pin.
`systemSlotIsPC98C20(160)`	The system slot is PC-98/C20.
`systemSlotIsPC98C24(161)`	The system slot is PC-98/C24.
`systemSlotIsPC98E(162)`	The system slot type is PC-98/E.
`systemSlotIsPC98LocalBus(163)`	The system slot type is PC-98 local bus.
`systemSlotIsPC98Card(164)`	The system slot type is PC-98.
`systemSlotIsPCIExpress(165)`	The system slot type is PCI Express.
`systemSlotIsPCIExpressX1(166)`	The system slot type is a PCI Express x1.
`systemSlotIsPCIExpressX2(167)`	The system slot type is a PCI Express x2.
`systemSlotIsPCIExpressX4(168)`	The system slot type is a PCI Express x4.
`systemSlotIsPCIExpressX8(169)`	The system slot type is a PCI Express x8.
`systemSlotIsPCIExpressX16(170)`	The system slot type is a PCI Express x16.
`systemSlotIsPCIExpressGen2(171)`	The system slot type is PCI Express Gen 2.
`systemSlotIsPCIExpressGen2X1(172)`	The system slot type is PCI Express Gen 2 x1.
`systemSlotIsPCIExpressGen2X2(173)`	The system slot type is PCI Express Gen 2 x2
`systemSlotIsPCIExpressGen2X4(174)`	The system slot type is PCI Express Gen 2 x4.
`systemSlotIsPCIExpressGen2X8(175)`	The system slot type is PCI Express Gen 2 x8.
`systemSlotIsPCIExpressGen2X16(176)`	The system slot type is PCI Express Gen 2 x16.
`systemSlotIsPCIExpressGen3(177)`	The system slot type is PCI Express Gen 3.
`systemSlotIsPCIExpressGen3X1(178)`	The system slot type is PCI Express Gen 3 x1.
`systemSlotIsPCIExpressGen3X2(179)`	The system slot type is PCI Express Gen 3 x2.

Table 944. System Slot Type (continued)

`systemSlotIsPCIExpressGen3X4(180)`	The system slot type is PCI Express Gen 3 x4.
`systemSlotIsPCIExpressGen3X8(181)`	The system slot type is PCI Express Gen 3 x8.
`systemSlotIsPCIExpressGen3X16(182)`	The system slot type is PCI Express Gen 3 x16.
`systemSlotIsPCIExpressGen4(184)`	The system slot type is PCI Express Gen 4.
`systemSlotIsPCIExpressGen4X1(185)`	The system slot type is PCI Express Gen 4 x1.
`systemSlotIsPCIExpressGen4X2(186)`	The system slot type is PCI Express Gen 4 x2.
`systemSlotIsPCIExpressGen4X4(187)`	The system slot type is PCI Express Gen 4 x4.
`systemSlotIsPCIExpressGen4X8(188)`	The system slot type is PCI Express Gen 4 x8.
`systemSlotIsPCIExpressGen4X16(189)`	The system slot type is PCI Express Gen 4 x16.

Table 945. 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.
systemSlotUsageIsUnAvailable(5)	The system slot is unavailable.

Table 946. 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.
systemSlotLengthIs25dff(5)	The system slot length is 2.5" drive form factor.
systemSlotLengthIs35dff(6)	The system slot length is 3.5" drive form factor.

Table 947. 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 948. Hot-Plug Bus Width

Variable Name: DellSystemSlotHotPlugBusWidth	
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.

(i) **NOTE:** System slot bus width of type n bits are for parallel buses such as PCI.

(i) **NOTE:** System slot bus width of type nx or xn are for serial buses such as PCI Express.

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 Rank of the DIMM are :

- **0** — Unknown
- **1** — Single
- **2** — Dual
- **4** — Quad
- **8** — Octal
- **16** — Hexa

The following object sets up the Physical Memory Array Table:

Table 949. 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

Table 950. 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

Table 951. 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

Table 952. 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

Table 953. 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.

Table 953. Physical Memory Array State Capabilities (continued)

Syntax	DellStateCapabilities
Access	Read-only

Table 954. 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-only

Table 955. 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

Table 956. 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 Physical Memory Array ECC Type Definitions)
Access	Read-only

Table 957. 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 Physical Memory Array ECC Type Definitions)
Access	Read-only

Table 958. 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 Physical Memory Array Location)
Access	Read-only

Table 959. Physical Memory Array Maximum Size

(i) **NOTE:** physicalMemoryArrayMaximumSize is no longer in use. This attribute is deprecated and replaced by physicalMemoryArrayExtendedMaximumSize.	
Name	physicalMemoryArrayMaximumSize

Table 959. Physical Memory Array Maximum Size (continued)

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

Table 960. 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

Table 961. 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

Table 962. 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

Table 963. 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

Table 964. 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-only

Table 965. 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

Table 966. Physical Memory Array Extended Maximum Size

(i) NOTE: This attribute replaces the physicalMemoryArrayMaximumSize.	
Name	physicalMemoryArrayExtendedMaximumSize
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.16
Description	This attribute defines the maximum size in Bytes of the physical memory array.
Syntax	DellUnsigned64BitRange
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:

Table 967. 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

Table 968. 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

Table 969. 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.

Table 969. Physical Memory Array Mapped Chassis Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 970. 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

Table 971. 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

Table 972. 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-only

Table 973. 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

Table 974. 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

Table 975. 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.

Table 975. Physical Memory Array Mapped Starting Address (continued)

Syntax	DellUnsigned64BitRange
Access	Read-only

Table 976. 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

Table 977. 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:

Table 978. 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

Table 979. 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`

Table 980. 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

Table 981. 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

Table 982. 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

Table 983. 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-only

Table 984. 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

Table 985. 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

Table 986. 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-only

Table 987. Physical Memory Configuration MOM Capabilities

Name	physicalMemoryConfigMOMCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.8
Description	Defines the Memory Operating Mode capabilities of the physical memory.
Syntax	DellPhysicalMemoryConfigMOMCapabilities
Access	Read-only

Table 988. Physical Memory Configuration MOM Settings

Name	physicalMemoryConfigMOMSettings
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.9
Description	Defines the Memory Operating Mode settings of the physical memory.
Syntax	DellPhysicalMemoryConfigMOMSettings
Access	Read-only

Physical Memory Logging Table

This table defines the conditions for logging system memory events.

The following object sets up the Physical Memory Logging Table:

Table 989. 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

Table 990. 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

Table 990. Physical Memory Logging Table Entry (continued)

	,
	`physicalMemoryLoggingIndex`

Table 991. 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

Table 992. 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

Table 993. 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

Table 994. 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-only

Table 995. 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:

Table 996. 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

Table 997. 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`

Table 998. 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

Table 999. 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

Table 1000. 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

Table 1001. 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-only

Table 1002. 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

Table 1003. 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

Table 1004. 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:

Table 1005. 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

Table 1006. Physical Memory Card Table Entry

Name	physicalMemoryCardTableEntry

Table 1006. Physical Memory Card Table Entry (continued)

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`

Table 1007. 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

Table 1008. 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

Table 1009. 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

Table 1010. 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-only

Table 1011. 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.

Table 1011. Physical Memory Card Status (continued)

Syntax	DellStatus
Access	Read-only

Table 1012. 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

Table 1013. 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

Table 1014. 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

Table 1015. 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 1016. Physical Memory Array Location

Variable Name: DellPhysicalMemoryArrayLocation	
Data Type: Integer	
Possible Data Values	Meaning of Data Value

Table 1016. Physical Memory Array Location (continued)

`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 1017. 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 1018. 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 1019. 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 1020. 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.
dddcCapable(16)	DDDC redundancy is supported.

Table 1021. 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.
dddcCapable(16)	DDDC redundancy is enabled.

Table 1022. Physical Memory Logging Capabilities

Variable Name: DellPhysicalMemoryLoggingCapabilities	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**

Table 1022. Physical Memory Logging Capabilities (continued)

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 1023. 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).

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 Setup Control Group Tables

The MIB tables in this group define the BIOS control of devices and controller cards that are typically present in a system.

- 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

The following MIB table in the BIOS Setup Control Group is supported on Dell PowerEdge xx2x (12G) systems:

- BIOS Setting Table

BIOS Setup Control Group Tables

Table 1024. 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

Table 1025. BIOS Setup Control Table Entry

Name	biosSetUpControlTableEntry

Table 1025. BIOS Setup Control Table Entry (continued)

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`

Table 1026. 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

Table 1027. 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

Table 1028. 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-only

Table 1029. 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

Table 1030. 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

Table 1031. 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

Table 1032. 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

Table 1033. 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

Table 1034. 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

Table 1035. 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

Table 1036. 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

Table 1037. 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

Table 1038. 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-only

Table 1039. 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 Speaker Control Capabilities Unique)
Access	Read-only

Table 1040. 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 Speaker Control Settings Unique)
Access	Read-only

Table 1041. 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

Table 1042. 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

Table 1043. 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 (See Network Interface (NIF) Wakeup on LAN Capabilities Unique)
Access	Read-only

Table 1044. 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 NIF Wakeup on LAN Control Settings Unique)
Access	Read-only

Table 1045. 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

Table 1046. 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

Table 1047. 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 (See Boot Sequence Control Capabilities Unique)
Access	Read-only

Table 1048. 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 (See Boot Sequence Control Settings Unique)

Access	Read-only

Table 1049. 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

Table 1050. 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

Table 1051. BIOS Setup Control Administrator Password Control Capabilities Unique

Name	bSUCadministratorPasswordControlCapabilities Unique
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

Table 1052. 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 BIOS Password Control Settings Unique)
Access	Read-only

Table 1053. 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

Table 1054. 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-only

Table 1055. 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-only

Table 1056. BIOS Setup Control 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

Table 1057. BIOS Setup Control 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 BIOS Password Control Settings)
Access	Read-Only

Table 1058. BIOS Setup Control 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

Table 1059. BIOS Setup Control 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-Only

Table 1060. BIOS Setup Control User Password New Password Name

Name	`bSUCuserPasswordNewPasswordName`
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.35

Table 1060. BIOS Setup Control User Password New Password Name (continued)

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-Only

Table 1061. BIOS Setup Control TPM Security Control Capabilities

Name	bSUCtpmSecurityControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.36
Description	Defines the BIOS setup control capabilities of Trusted Platform Module (TPM) security.
Syntax	DellTPMSecurityControlCapabilities
Access	Read-only

Table 1062. BIOS Setup Control TPM Security Control Setting

Name	bSUCtpmSecurityControlSetting
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.37
Description	Defines the BIOS setup control setting of Trusted Platform Module (TPM) security.
Syntax	DellTPMSecurityControlSetting
Access	Read-only

Table 1063. BIOS Setup Control TPM Security Control Status

Name	bSUCtpmSecurityControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.38
Description	Defines the BIOS setup control status of Trusted Platform Module (TPM) security.
Syntax	DellStatus
Access	Read-only

Table 1064. BIOS Setup Control TPM Security Control Name

Name	bSUCtpmSecurityControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.39
Description	Defines the BIOS setup control name of Trusted Platform Module (TPM) security.
Syntax	DellString
Access	Read-only

SCSI Control Table

Table 1065. 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

Table 1066. SCSI Control Table Entry

Name	sCSIControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1
Description x	Defines the SCSI Control Table entry.
Syntax	SCSIControlTableEntry
Access	Not accessible
Index	sCSIControlchassisIndex , sCSIControlIndex

Table 1067. 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

Table 1068. 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

Table 1069. 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

Table 1070. 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

Table 1071. SCSI Control Status

Name	sCSIControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.5

Table 1071. SCSI Control Status (continued)

Description	Defines the status of the SCSI controller.
Syntax	DellStatus
Access	Read-only

Table 1072. 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

Table 1073. 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

Table 1074. 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

Table 1075. 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

Table 1076. 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

Table 1077. 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 Parallel Port Control Capabilities)
Access	Read-only

Table 1078. 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 Parallel Port Control Settings)
Access	Read-only

Table 1079. 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

Table 1080. 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

Table 1081. 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
Access	Read-only

Table 1082. Parallel Port Control Mode Settings Unique

Name	parallelPortControlModeSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.8

Table 1082. Parallel Port Control Mode Settings Unique (continued)

Description	Defines the mode settings of the parallel port.
Syntax	DellParallelPortControlModeSettingsUnique (See Parallel Port Control Mode Settings)
Access	Read-only

Serial Port Control Table

Table 1083. 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

Table 1084. 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

Table 1085. 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

Table 1086. 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

Table 1087. Serial Port Control Capabilities Unique

Name	serialPortControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.3

Table 1087. Serial Port Control Capabilities Unique (continued)

Description	Defines the capabilities of the serial port.
Syntax	DellSerialPortControlCapabilitiesUnique (See Serial Port Control Capabilities)
Access	Read-only

Table 1088. 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 Serial Port Control Settings)
Access	Read-only

Table 1089. 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

Table 1090. 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).

Table 1091. USB Control Table

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

Table 1092. 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

Table 1092. USB Control Table Entry (continued)

Index	usbControlchassisIndex
	,
	usbControlIndex

Table 1093. 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

Table 1094. 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

Table 1095. 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

Table 1096. 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

Table 1097. 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

Table 1098. 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.

Table 1099. IDE Control Table

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

Table 1100. 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

Table 1101. 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

Table 1102. 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

Table 1103. 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 IDE Control Capabilities)
Access	Read-only

Table 1104. 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 IDE Control Capabilities)
Access	Read-only

Table 1105. 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

Table 1106. 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

Table 1107. 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

Table 1108. 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

Table 1108. Diskette Control Table Entry (continued)

Access	Not accessible

Index	`disketteControlchassisIndex`
	
	,
	
	`disketteControlIndex`

Table 1109. 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

Table 1110. 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

Table 1111. 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
Access	Read-only

Table 1112. 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 (See Diskette Control Settings)
Access	Read-only

Table 1113. 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

Table 1114. 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.

Table 1115. Network Interface Control Table

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

Table 1116. 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

Table 1117. 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

Table 1118. 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

Table 1119. 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 Network Interface Control Capabilities)
Access	Read-only

Table 1120. 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 Network Interface Control Settings)
Access	Read-only

Table 1121. 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

Table 1122. 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 Setting Table

These MIB objects enable you to track the BIOS settings for your system.

(i) **NOTE:** These MIB objects are supported on Dell PowerEdge xx2x systems.

Table 1123. BIOS Setting Table

Name	biosSettingTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.90
Description	Defines the BIOS Setting Table.
Syntax	SEQUENCE OF BiosSettingTableEntry
Access	Not accessible

Table 1124. BIOS Setting Table Entry

Name	biosSettingTableEntry

Table 1124. BIOS Setting Table Entry (continued)

Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1
Description	Defines the BIOS Setting Table Entry.
Syntax	BiosSettingTableEntry
Access	Not accessible

Index	`biosSettingChassisIndex`
	
	,
	
	`biosSettingIndex`

Table 1125. BIOS Setting Chassis Index

Name	`biosSettingChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.1
Description	Defines the index (one based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Table 1126. BIOS Setting Index

Name	`biosSettingIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.2
Description	Defines the index (one based) of the BIOS setting.
Syntax	DellObjectRange
Access	Read-only

Table 1127. BIOS Setting Name

Name	`biosSettingName`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.3
Description	Defines the name of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1128. BIOS Setting Display Name

Name	`biosSettingDisplayName`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.4
Description	Defines the display name of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1129. BIOS Setting Value Type

Name	`biosSettingValueType`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.5
Description	Defines the type of the BIOS setting value.

Table 1129. BIOS Setting Value Type (continued)

Syntax	DellBIOSSettingValueType
Access	Read-only

Table 1130. BIOS Setting Current Value

Name	biosSettingCurrentValue
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.6
Description	Defines the current value of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1131. BIOS Setting Pending Value

Name	biosSettingPendingValue
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.7
Description	Defines the pending value of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1132. BIOS Setting Default Value

Name	biosSettingDefaultValue
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.8
Description	Defines the default value of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1133. BIOS Setting Possible Values

Name	biosSettingPossibleValues
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.9
Description	Defines the possible values of the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1134. BIOS Setting Display Order

Name	biosSettingDisplayOrder
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.10
Description	Defines the recommended display order of the BIOS setting within its BIOS setting group.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 1135. BIOS Setting Group Display Name

Name	biosSettingGroupDisplayName
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.11

Table 1135. BIOS Setting Group Display Name (continued)

Description	Defines the display name of the BIOS setting group for the BIOS setting.
Syntax	DisplayString
Access	Read-only

Table 1136. BIOS Setting FQDD

Name	`biosSettingFQDD`
Object ID	1.3.6.1.4.1.674.10892.1.1400.90.1.12
Description	Fully Qualified Device Descriptor (FQDD) for the BIOS setting.
Syntax	DisplayString
Access	Read-only

BIOS Group Variable Values

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

Table 1137. 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 1138. 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 1139. Network Interface (NIF) Wakeup on LAN Capabilities Unique

Variable Name: `DellNIFwakeonLanControlCapabilitiesUnique`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**

Table 1139. Network Interface (NIF) Wakeup on LAN Capabilities Unique (continued)

`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 1140. 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 1141. 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.
`bootFromDisketteORHardDrive FirstCapable(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 1142. Boot Sequence Control Settings Unique

Variable Name: `DellBootSequenceControlSettingsUnique`	
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 1143. BIOS Password Control Capabilities

Variable Name: DellBIOSPasswordControlCapabilities	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
passwordControlCapabilitiesUn known(1)	BIOS password capabilities are unknown.
passwordControlEnableCapable (2)	Setup BIOS is capable of enabling password changes.
passwordControlJumperDisable Capable(4)	Setup BIOS is capable of determining if password control can be jumper disabled.
passwordControlEnableANDJumper DisableCapable(6)	Setup BIOS is capable of enabling password changes and of determining if password control can be jumper disabled.

Table 1144. BIOS Password Control Settings Unique

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 1145. 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 1146. TPM Security Control Capabilities

Variable Name: DellTPMSecurityControlCapabilities	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
offCapable(1)	TPM security can be Off.
onWithPrebootMeasurementsCap able(2)	TPM security can be On with Pre-boot Measurements.
onWithoutPrebootMeasurements Capable(4)	TPM security can be On without Pre-boot Measurements.

Table 1147. TPM Security Control Setting

Variable Name: DellTPMSecurityControlSetting	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
off(0)	TPM security is **Off**.
onWithPrebootMeasurements(1)	TPM security is **On with Pre-boot Measurements**.

Table 1147. TPM Security Control Setting (continued)

onWithoutPrebootMeasurements (2)	TPM security is **On without Pre-boot Measurements**.

Table 1148. 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 1149. Parallel Port Control Settings

Variable Name: DellParallelPortControlSettingsUnique	
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 1150. Parallel Port Control Mode Settings

Variable Name: DellParallelPortControlModeSettingsUnique	
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 1151. Serial Port Control Capabilities

Variable Name: DellSerialPortControlCapabilitiesUnique	
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.
com1OrCom3CapableAndAuto ConfigCapable(86)	Setup BIOS has enabled autoconfiguration of COM1 and COM3 serial ports.
com2OrCom4CapableAndAuto ConfigCapable(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 1152. Serial Port Control Settings

Variable Name: DellSerialPortControlSettingsUnique	
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 1153. IDE Control Capabilities

Variable Name: DellideControlCapabilitiesUnique

Table 1153. IDE Control Capabilities (continued)

Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
unknown(1)	IDE control capabilities are unknown.
ideControlAutoConfigOrEnable Capable(2)	IDE controller is autoconfigurable or enable capable.

Table 1154. Diskette Control Settings

Variable Name: DellDisketteControlSettingsUnique	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
unknown(1)	Diskette control state is unknown.
disketteControlAutoConfigEnabled OrEnabled(2)	Diskette control is set as autoconfigurable or enabled.

Table 1155. Network Interface Control Capabilities

Variable Name: DellNetworkInterfaceControlCapabilitiesUnique	
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 1156. Network Interface Control Settings

Variable Name: DellNetworkInterfaceControlSettingsUnique	
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.

Table 1157. BIOS Setting Value Type

Variable Name: DellBIOSSettingValueType	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
integer(1)	Value type is integer.
string(2)	Value type is string.
enumeration(3)	Value type is enumeration.
orderedList(4)	Value type is ordered list.

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 responds 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.

Table 1158. 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

Table 1159. 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

Table 1160. 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

Table 1161. 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

Table 1162. 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 are disabled after a system shutdown and reboot.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 1163. 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 (LRA Capabilities Definitions)
Access	Read-only

Table 1164. 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

Table 1165. 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-only

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.

Table 1166. LRA Action Table

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

Table 1167. 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

Table 1168. 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

Table 1169. 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: ● 160 — temperature failure action definition ● 168 — cooling device failure action definition ● 172 — voltage failure action definition ● 200 — temperature warning action definition ● 202 — voltage warning action definition ● 204 — cooling device warning action definition ● 206 — amperage failure action definition ● 208 — amperage warning action definition ● 210 — a power or cooling unit redundancy lost action definition ● 212 — a power or cooling unit redundancy degraded action definition ● 214 — power supply failed action definition ● 220 — chassis intrusion action definition ● 228 — memory device warning action definition ● 474 — memory device failure action definition ● 1006 — automatic system recovery (ASR) action definition ● 1353 — power supply warning action definition ● 1553 — log near full action definition

Table 1169. LRA Action Table Action Number Index (continued)

	• 1554 — log full action definition • 1603 — processor warning action definition • 1604 — processor failure action definition • 1703 — battery warning action definition • 1704 — battery failure action definition
Syntax	DellUnsigned16BitRange
Access	Read-only

Table 1170. 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: • Name of the user application executable path • File name to execute
Syntax	DisplayString (SIZE (0..256)
Access	Read-only

Table 1171. 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 (Local Response Agent Settings Unique)
Access	Read-only

Local Response Agent Variable Values

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

Table 1172. 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 1173. 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 chassisdetermined 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 chassisdetermined action(s) when a failure condition is detected.
`enableOnWarningOrFailure Capable(14)`	The LRA enables activation of chassisdetermined action(s) when either a failure or a warning condition is detected.

Table 1174. 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.

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

Cost of Ownership Table

The following MIB object sets up the Cost of Ownership Table.

Table 1175. Cost of Ownership

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

Table 1176. 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

Table 1177. 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

Table 1178. 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

Table 1179. COO Acquisition Purchase Cost

Name	cooAquisitionPurchaseCost
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.3

Table 1179. COO Acquisition Purchase Cost (continued)

Description	Defines the purchase cost of the system.
Syntax	DellUnsigned32BitRange
Access	Read-only

Table 1180. 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-only

Table 1181. 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-only

Table 1182. 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-only

Table 1183. 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-only

Table 1184. 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-only

Table 1185. COO Original Machine Configuration Expensed

Name	cooOriginalMachineConfigurationExpensed
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.9

Table 1185. COO Original Machine Configuration Expensed (continued)

Description	Specifies whether the purchase of this system was expensed.
Syntax	DellBoolean
Access	Read-only

Table 1186. 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

Table 1187. 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-only

Table 1188. 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-only

Table 1189. 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-only

Table 1190. 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-only

Table 1191. 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-only

Table 1192. 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-only

Table 1193. 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 COO Ownership Codes)
Access	Read-only

Table 1194. 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-only

Table 1195. 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-only

Table 1196. 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-only

Table 1197. 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 COO Hour Day Duration Type)
Access	Read-only

Table 1198. 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-only

Table 1199. 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-only

Table 1200. 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-only

Table 1201. 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-only

Table 1202. 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-only

Table 1203. COO Outsourcing Provider Service Level Name

Name	cooOutsourcingProviderServiceLevelName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.27

Table 1203. COO Outsourcing Provider Service Level Name (continued)

Description	Defines the service level agreement for the system.
Syntax	DellCostofOwnershipString
Access	Read-only

Table 1204. 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-only

Table 1205. 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-only

Table 1206. 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-only

Table 1207. 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-only

Table 1208. 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-only

Table 1209. COO Operating System Upgrade Patch Level Name

Name	cooOperatingSystemUpgradePatchLevelName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.33

Table 1209. COO Operating System Upgrade Patch Level Name (continued)

Description	Defines the name of the operating system patch level for this system.
Syntax	DellCostofOwnershipString
Access	Read-only

Table 1210. 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-only

Table 1211. 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-only

Table 1212. 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-only

Table 1213. 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-only

Table 1214. 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-only

Table 1215. COO Registration Is Registered

Name	cooRegistrationIsRegistered
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.39

Table 1215. COO Registration Is Registered (continued)

Description	Specifies whether this system is registered or not.
Syntax	DellBoolean
Access	Read-only

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.

Table 1216. COO Service Contract Table

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

Table 1217. 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

Table 1218. 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

Table 1219. 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

Table 1220. 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

Table 1221. 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-only

Table 1222. 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-only

Table 1223. 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-only

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.

Table 1224. COO Cost Event Log Table

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

Table 1225. COO Cost Event Log Table Entry

Name	cooCostEventLogTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1

Table 1225. COO Cost Event Log Table Entry (continued)

Description	Defines the COO Cost Event Log Table entry.
Syntax	cooCostEventLogTableEntry
Access	Not accessible

Index	`cooCostEventLogchassisIndex`
	
	,
	
	`cooCostEventLogIndex`

Table 1226. 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

Table 1227. 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

Table 1228. 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

Table 1229. 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-only

Table 1230. 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 COO Hour Day Duration Type)

Table 1230. COO Cost Event Log Duration Type (continued)

Access	Read-only

Table 1231. 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-only

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.

Table 1232. COO Warranty Table

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

Table 1233. 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

Table 1234. 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-only

Table 1235. 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.

Table 1235. COO Warranty Index (continued)

Syntax	DellObjectRange
Access	Read-only

Table 1236. 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

Table 1237. 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-only

Table 1238. 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-only

Table 1239. 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-only

Table 1240. 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-only

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.

Table 1241. COO Lease Information Table

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

Table 1242. 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

Table 1243. 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

Table 1244. 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

Table 1245. 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-only

Table 1246. COO Lease Information Multiple Schedules

Name	cooLeaseInformationMultipleSchedules
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.4

Table 1246. COO Lease Information Multiple Schedules (continued)

Description	Defines whether there are multiple schedules for this lease.
Syntax	DellBoolean
Access	Read-only

Table 1247. 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-only

Table 1248. 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-only

Table 1249. 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-only

Table 1250. 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-only

Table 1251. 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-only

COO Schedule Number Table

Table 1252. 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

Table 1253. 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

Table 1254. 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

Table 1255. 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

Table 1256. 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

Table 1257. 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-only

Table 1258. 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-only

COO Options Table

Table 1259. 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

Table 1260. 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 , cooOptionsIndex

Table 1261. 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

Table 1262. 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

Table 1263. 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

Table 1264. 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-only

Table 1265. 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-only

COO Maintenance Table

Table 1266. 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

Table 1267. 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

Table 1267. COO Maintenance Table Entry (continued)

Access	Not accessible

Index	`cooMaintenancechassisIndex`
	
	,
	
	`cooMaintenanceIndex`

Table 1268. 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

Table 1269. 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

Table 1270. 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

Table 1271. 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-only

Table 1272. 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-only

Table 1273. 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-only

Table 1274. 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-only

COO Repair Table

Table 1275. 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

Table 1276. 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

Table 1277. 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

Table 1278. 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

Table 1279. 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

Table 1280. 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-only

Table 1281. 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

Table 1282. 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

Table 1283. 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

Table 1283. COO Support Information Table Entry (continued)

Access	Not accessible
Index	cooSupportInformationchassisIndex , cooSupportInformationIndex

Table 1284. 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

Table 1285. 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

Table 1286. 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

Table 1287. 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-only

Table 1288. 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-only

Table 1289. 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-only

Table 1290. 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-only

COO Trouble Ticket Table

The MIB objects in the Trouble Ticket Table allows you to track details of any trouble tickets that you open for your system.

Table 1291. COO Trouble Ticket Table

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

Table 1292. 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

Table 1293. 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

Table 1294. 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

Table 1295. 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

Table 1296. 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-only

Table 1297. 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-only

Cost of Ownership Variable Values

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

Table 1298. 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 1299. 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 1300. 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 1301. 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.	

Cluster Group

Clustering combines multiple systems in such a way that they provide services a single system cannot. 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.

Table 1302. Cluster Table

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

Table 1303. 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

Table 1304. 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

Table 1305. 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

Table 1306. 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

Table 1307. Cluster State Settings

Name	clusterStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.4

Table 1307. Cluster State Settings (continued)

Description	Defines the state settings of the cluster.
Syntax	DellStateSettings
Access	Read-only

Table 1308. 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

Table 1309. 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

Table 1310. 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

Table 1311. 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 1312. Cluster Type

Variable Name: DellClusterType	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
unknown(1)	The cluster type is unknown.

Table 1312. Cluster Type (continued)

highAvailabilityC luster(2)	The cluster type is a high-availability cluster.

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

Table 1313. BMC 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

Table 1314. 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

Table 1315. BMC Chassis Index

Name	bmcChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.1

Table 1315. BMC Chassis Index (continued)

Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Table 1316. 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

Table 1317. 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

Table 1318. 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-only

Table 1319. 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

Table 1320. 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

Table 1321. BMC Description Name

Name	bmcDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.7

Table 1321. BMC Description Name (continued)

Description	Defines the description of the BMC.
Syntax	DisplayString
Access	Read-only

Table 1322. 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

Table 1323. 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
Access	Read-only

Table 1324. BMC Type

Name	`bmcType`
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.10
Description	Defines the type of the BMC.
Syntax	DellManagementControllerType
Access	Read-only

Table 1325. BMC Module Name

Name	`bmcModuleName`
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.11
Description	Defines the module name for the BMC. The module name is present only on certain systems, such as modular systems.
Syntax	DellString
Access	Read-only

Table 1326. BMC IPv4 URL Name

Name	`bmcIPv4URLName`
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.12
Description	Defines the IPv4 URL for the BMC. The URL is not present on all systems.
Syntax	DisplayString
Access	Read-only

Table 1327. BMC IPv6 URL Name

Name	`bmcIPv6URLName`

Table 1327. BMC IPv6 URL Name (continued)

Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.13
Description	Defines the IPv6 URL for the BMC. The URL is not present on all systems.
Syntax	DisplayString
Access	Read-only

Table 1328. BMC Blade Form Factor

Name	bmcBladeFormFactorName
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.14
Description	Defines Blade Form Factor
Syntax	DellBladeFormFactorType
Access	Read-only

Baseboard Management Controller Serial Interface

Table 1329. BMC 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

Table 1330. 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

Table 1331. 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

Table 1332. 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

Table 1333. 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

Table 1334. 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

Table 1335. 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-only

Table 1336. 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

Table 1337. 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

Table 1338. 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

Table 1339. 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

Table 1340. 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

Table 1341. 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

Table 1342. BMC LAN Interface

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

Table 1343. 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

Table 1343. BMC LAN Interface Table Entry (continued)

Access	Not accessible

Index	`bmcLANInterfaceChassisIndex`
	
	,
	
	`bmcLANInterfaceBMCIndex`
	
	,
	
	`bmcLANInterfaceIndex`

Table 1344. 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

Table 1345. 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

Table 1346. 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

Table 1347. 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

Table 1348. 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.

Table 1348. BMC LAN Interface State Settings (continued)

Syntax	DellStateSettings
Access	Read-only

Table 1349. 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

Table 1350. 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

Table 1351. 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

Table 1352. 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

Table 1353. 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

Table 1354. 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.

Table 1354. BMC LAN Interface Default Gateway Address (continued)

Syntax	IpAddress
Access	Read-only

Table 1355. 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

Table 1356. 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 1357. Baseboard Management Controller

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 1358. BMC Serial Connection Mode Settings

Variable Name: DellBMCSerialConnectionModeSettingsDellBMCSerialConnectionModeCapabilities

Table 1358. BMC Serial Connection Mode Settings (continued)

Data Type: Integer

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 1359. BMC Serial Flow Control Type

Variable Name: DellBMCSerialFlowControlType

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 1360. BMC Serial Bit Rate Type

Variable Name: DellBMCSerialBitRateType

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 1361. 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.

Table 1362. BMC Management Controller Type

Variable Name:DellManagementControllerType Data Type:Integer		
Possible Data Values	**Meaning of Data Value**	
-- legacyBMC(0)	Controller type is legacy Baseboard Management Controller.	
iDRAC(8)	Controller type is iDRAC.	
iDRAC6(10)	Controller type is Integrated Dell Remote Access Controller 6.	
iDRAC6Modular(11)	Controller type is Integrated Dell Remote Access Controller 6 (Modular).	
iDRAC6BMC(13)	Controller type is Integrated Dell Remote Access Controller 6 (BMC mode).	
iDRAC7(16)	Controller type is Integrated Dell Remote Access Controller 7.	
iDRAC7Modular(17)	Controller type is Integrated Dell Remote Access Controller 7 (Modular).	
vrtxCMC(18)	Controller type is VRTX Chassis Management Controller (CMC).	
fx2CMC(19)	Controller type is FX2 Chassis Management Controller (CMC).	
iDRAC8(32)	Controller type is Integrated Dell Remote Access Controller 8.	
iDRAC8Modular(33)	Controller type is Integrated Dell Remote Access Controller 8 (Modular).	

Table 1363. Dell Blade Form Factor Type

Variable Name:DellBladeFormFactorType Data Type:Integer		
Possible Data Values	**Meaning of Data Value**	
formFactorTypeIsSingleWidthHalfHeight(1)	Form Factor Type is singleWidthHalfHeight.	
formFactorTypeIsDualWidthHalfHeight(2)	Form Factor Type is DualWidthHalfHeight.	
formFactorTypeIsSingleWidthFullHeight(3)	Form Factor Type is SingleWidthFullHeight.	
formFactorTypeIsDualWidthFullHeight(4)	Form Factor Type is DualWidthFullHeight.	
formFactorTypeIsSingleWidthQuarterHeight(5)	Form Factor Type is SingleWidthQuarterHeight.	
formFactorTypeIs1UHalfWidth(6)	Form Factor Type is 1UHalfWidth.	
formFactorTypeIs1UQuarterWidth(7)	Form Factor Type is 1UQuarterWidth.	
formFactorTypeIs1UFullWidth(8)	Form Factor Type is 1UFullWidth.	

Table 1363. Dell Blade Form Factor Type (continued)

notApplicable(256)	Form Factor Type is Not Applicable for the system.

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.

Table 1364. 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

Table 1365. 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

Table 1366. 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

Table 1367. 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

Table 1367. FRU Index (continued)

Access	Read-only

Table 1368. 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

Table 1369. 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

Table 1370. 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

Table 1371. 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

Table 1372. 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

Table 1373. 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

Table 1373. FRU Part Number Name (continued)

Syntax	DisplayString (SIZE (0..64))
Access	Read-only

Table 1374. 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

Table 1375. 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

Table 1376. 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

Field Replaceable Unit Group Variable Values

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

Table 1377. FRU Information State

Variable Name: DellFRUInformationState	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
ok(1)	FRU information is okay.
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.

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.

Topics:

Storage Management Group

The Storage Management Information Base (MIB) Group defines the properties that identify information about the Storage Management software product and the status of the system it manages.

ⓘ **NOTE:** On Windows, the optional Storage Management component must first be installed to respond to SNMP queries in this group. On Linux several optional RPM packages for storage must be installed. See the *Server Administrator Installation Guide* for more information.

Table 1378. 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

Table 1379. 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: 1: Critical 2: Warning 3: Normal 4: Unknown

Table 1379. Global Status (continued)

Syntax	Integer
Access	Read-only

Table 1380. 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

Table 1381. 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

Table 1382. 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.

Table 1383. 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

Table 1384. 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

Table 1385. 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

Table 1386. 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.

Table 1387. 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

Table 1388. 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

Table 1389. 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 seconds since UTC 1/1/70.
Syntax	Integer
Access	Read-only

Table 1390. Agent Get Timeout

Name	agentGetTimeout

Table 1390. Agent Get Timeout (continued)

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

Table 1391. 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: Bit 3: agent in debug mode. All other bits are product-specific.
Syntax	Integer
Access	Read-only

Table 1392. 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

Table 1393. 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

Table 1394. 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

Table 1395. 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

Table 1396. 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

Table 1397. 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

Table 1398. 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

Table 1399. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable (i) **NOTE:** 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.
Syntax	DellStatus
Access	Read-only

Table 1400. Agent Last Global System Status

Name	agentLastGlobalSystemStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.14

Table 1400. Agent Last Global System Status (continued)

Description	The previous global status of the system managed by the Storage Management software. Possible values:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1401. 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 PowerVault 220S and PowerVault 221S enclosures.
	Possible values:
	1: Enabled
	2: Disabled
	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.

Table 1402. Auto Configure Behavior

Name	controllerAutoconfigureBehavior
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.75
Description	Displays the current Auto Configure Behavior mode that is set on a controller.
Syntax	DisplayString
Access	Read-only
Status	Mandatory

Table 1403. 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

Table 1404. 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

Table 1405. 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

Table 1406. 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

Table 1407. 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

Table 1408. 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: 1: SCSI 2: PowerVault 660F 3: Power Vault 662F 4: Integrated/Intelligent Drive Electronics (IDE) 5: Serial Advanced Technology Architecture (SATA) 6: Serial Attached SCSI (SAS) 9: PCIe SSD
Syntax	Integer
Access	Read-only

Table 1409. 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: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 6: Degraded
Syntax	Integer
Access	Read-only

Table 1410. 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

Table 1411. 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

Table 1412. 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

Table 1413. 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

Table 1414. 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 is the total amount of memory.
Syntax	Integer
Access	Read-only

Table 1415. 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

Table 1415. Controller Physical Device Count (continued)

Access	Read-only

Table 1416. 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

Table 1417. 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

Table 1418. 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

Table 1419. 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

Table 1420. 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 is the total size of the memory. This attribute is only supported on Adaptec controllers.
Syntax	Integer
Access	Read-only

Table 1421. Controller Drive Channel Count

Name	controllerDriveChannelCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.17

Table 1421. Controller Drive Channel Count (continued)

Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Table 1422. 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

Table 1423. Controller C0 Port 0 World Wide Name

Name	controllerC0Port0WorldWideName
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

Table 1424. 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

Table 1425. 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

Table 1426. 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

Table 1427. Controller C0 Channel

Name	controllerC0Channel
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.23

Table 1427. Controller C0 Channel (continued)

Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Table 1428. 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

Table 1429. 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

Table 1430. 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

Table 1431. 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

Table 1432. 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

Table 1433. Controller C1 Target

Name	controllerC1Target
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.29

Table 1433. Controller C1 Target (continued)

Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Table 1434. 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

Table 1435. 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

Table 1436. 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

Table 1437. 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

Table 1438. 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

Table 1439. 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

Table 1439. Controller C1 Port 1 World Wide Name (continued)

Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Table 1440. 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

Table 1441. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1442. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1443. 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

Table 1444. 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: 1: Enabled 2: Disabled 3: Not Applicable
Syntax	Integer
Access	Read-only

Table 1445. 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

Table 1446. 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

Table 1447. 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. Possible values: 1: Enabled 2: Disabled 3: Active (enabled and active) 99: Not Applicable
Syntax	Integer

Table 1447. Controller Cluster Mode (continued)

Access	Read-only

Table 1448. 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

Table 1449. 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-only

Table 1450. 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

Table 1451. 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

Table 1452. 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-only

Table 1453. 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

Table 1453. Controller Patrol Read Rate (continued)

Access	Read-only

Table 1454. 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

Table 1455. 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

Table 1456. 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. Possible values: 1: Automatic (enabled) 2: Manual (enabled) 3: Disabled
Syntax	Integer
Access	Read-only

Table 1457. 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. Possible values: 1: Stopped - not running 2: Ready - ready to start 4: Active - is running 8: Aborted - has aborted
Syntax	Integer
Access	Read-only

Table 1458. 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

Table 1459. Controller Storport Driver Version

Name	controllerStorportDriverVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.55
Description	Provides current Windows OS storport driver version. Not applicable for Linux.
Syntax	Octet String
Access	Read-only

Table 1460. Controller Minimum Required Storport Version

Name	controllerMinimumRequiredStorportVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.56
Description	Provides minimum required storport driver version for Windows OS only.
Syntax	Octet String
Access	Read-only

Table 1461. Controller Encryption Capable

Name	controllerEncryptionCapable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.57
Description	Indicates encryption capability of the controller. Value: 1 - Capable, 99 - Not Applicable
Syntax	Integer
Access	Read-only

Table 1462. Controller Encryption Key Persent

Name	controllerEncryptionKeyPresent
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.58
Description	Indicates presence of encryption key for the controller. Value: 1 - Yes, 0 - No, 99 - Not Applicable
Syntax	Integer
Access	Read-only

Table 1463. Controller Persistent Hot Spare

Name	controllerPersistentHotSpare
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.59
Description	Indicates Persistent Hot Spare capability of the controller. Value: 1 - Enabled, 0 - Disabled, 99 - Undetermined /Not applicable
Syntax	Integer
Access	Read-only

Table 1464. Controller Spin Down Unconfigured Drives

Name	controllerSpinDownUnconfiguredDrives
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.60
Description	Indicates controller capability to put unconfigured drives in power save mode. Value: 1 - Enabled, 0 - Disabled, 99 - Undetermined /Not applicable

Table 1464. Controller Spin Down Unconfigured Drives (continued)

Syntax	Integer
Access	Read-only

Table 1465. Controller Spin Down Hot Spare Drives

Name	`controllerSpinDownHotSpareDrives`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.61
Description	Indicates controller capability to put hot spare drives in power save mode. Value: 1 - Enabled, 0 - Disabled, 99 - Undetermined /Not applicable
Syntax	Integer
Access	Read-only

Table 1466. Controller Spin Down Time Interval

Name	`controllerSpinDownTimeInterval`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.62
Description	Shows the duration in minutes after which, the unconfigured or hot spare drives is spun down to power save mode. Value: 30 to 1440 ⓘ **NOTE:** A value of 9999 indicates that the feature is not available.
Syntax	Integer
Access	Read-only

Table 1467. Controller Encryption Mode

Name	`controllerEncryptionMode`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.63
Description	Indicates the current encryption mode of the controller. Value: 0 - No Encryption, 1 - Local Key Management (LKM), 2 - Dell Key Management (DKM), 99 - Not Applicable
Syntax	Integer
Access	Read-only

Table 1468. Controller CacheCade

Name	`controllerCacheCade`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.64
Description	Indicates if the controller is CacheCade capable or not. Value: 1 - Capable, 0 - Not Capable, 99 - Undetermined
Syntax	Integer
Access	Read-only

Table 1469. Controller Spin Down Configured Drives

Name	`controllerSpinDownConfiguredDrives`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.65
Description	Indicates controller capability to spin down configured physical disks. Value: 0 - Disabled, 1 - Enabled, 99 - Undetermined
Syntax	Integer
Access	Read-only

Table 1470. Controller Automatic Power Saving

Name	controllerAutomaticPowerSaving
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.66
Description	Indicates controller capability for automatic power saving. Value: 0 - Disabled, 1 - Enabled, 99 - Undetermined
Syntax	Integer
Access	Read-only

Table 1471. Controller Configured Drives SpinUp Time

Name	controllerConfiguredDrivesSpinUpTime
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.67
Description	Indicates configured drives spin up start time. Value: 1:00 AM to 12:59 PM, 9999 - Undetermined
Syntax	DisplayString
Access	Read-only

Table 1472. Controller Configured Drives SpinUp TimeInterval

Name	controllerConfiguredDrivesSpinUpTimeInterval
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.68
Description	Indicates configured drives spin up time interval in hours. This value is added with configured drives start time to arrive at time window in which configured drives are always spin up. Value: 1 .. 24, 9999 - Undetermined
Syntax	Integer
Access	Read-only

Table 1473. Controller Preserved Cache

Name	controllerPreservedCache
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.69
Description	Indicates if preserved cache is present on the controller. Values: 1- Yes 0 - No 99 - Not available / Not applicable
Syntax	Integer
Access	Read-only

Table 1474. Controller PI Enable

Name	controllerPIEnable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.70
Description	Indicates if T10 PI is enabled on a controller. Values are: 0 : T10 PI disabled 1 : T10 PI enabled

Table 1474. Controller PI Enable (continued)

Syntax	Integer
Access	Read-only

Table 1475. Controller Current Mode

Name	controllerCurrentMode
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.71
Description	Indicates the current controller mode.
Syntax	DisplayString
Access	Read-only

Table 1476. Front Chassis Slot

Name	frontChassisSlot
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.72
Description	Shows the physical slot on the chassis for stash.
Syntax	Integer
Access	Read-only

Table 1477. Controller Instance

Name	controllerInstance
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.73
Description	Shows the current instance of the controller for stash.
Syntax	Integer
Access	Read-only

Table 1478. Controller Non-RAID Disk Cache Policy

Name	controllerNonRAIDdiskCachePolicy
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.74
Description	Displays the current disk write cache policy for Non-RAID disks.
Syntax	DisplayString
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.

Table 1479. 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

Table 1480. 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

Table 1481. 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

Table 1482. 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 includes the word channel and the instance. For example: Channel 1.
Syntax	DisplayString
Access	Read-only

Table 1483. 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: 0: Unknown 1: Ready - The I/O has resumed. 2: Failed 3: Online 4: Offline - The I/O has paused. 6: Degraded
Syntax	Integer
Access	Read-only

Table 1484. 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

Table 1484. Channel Severity (continued)

Access	Read-only

Table 1485. 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: 1: Wide Termination (16 bit) 2: Narrow Termination (8 bit) 3: Not Terminated
Syntax	Integer
Access	Read-only

Table 1486. 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

Table 1487. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1488. 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: 1: Other

Table 1488. Channel Component Status (continued)

	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1489. 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

Table 1490. 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

Table 1491. 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:
	1: SCSI
	2: IDE
	3: Fibre Channel
	4: Serial Storage Architecture (SSA)
	6: Universal Serial Bus (USB)
	7: SATA
	8: SAS
	9: PCIe
Syntax	Integer
Access	Read-only

Enclosure Table

The following tables describe theavailable properties for each enclosure on the managed system.

The following object sets up the Enclosure Table.

Table 1492. 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

Table 1493. 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

Table 1494. 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

Table 1495. 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

Table 1496. 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

Table 1497. 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.) Possible values: 0: Unknown

Table 1497. Enclosure State (continued)

	1: Ready
	2: Failed
	3: Online
	4: Offline
	6: Degraded
Syntax	Integer
Access	Read-only

Table 1498. 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

Table 1499. Enclosure ID

Name	enclosureID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.6
Description	Represents unique id for an enclosure.
Syntax	DisplayString
Access	Read-only

Table 1500. 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

Table 1501. 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

Table 1502. 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

Table 1503. 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

Table 1504. 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

Table 1505. 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

Table 1506. 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

Table 1507. 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

Table 1508. 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.

Table 1508. Enclosure ESM2 Part Number (continued)

Syntax	DisplayString
Access	Read-only

Table 1509. 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: 1: Internal 2: Dell PowerVault 200S (PowerVault 201S) 3: Dell PowerVault 210S (PowerVault 211S) 4: Dell PowerVault 220S (PowerVault 221S) 5: Dell PowerVault 660F 6: Dell PowerVault 224F 7: Dell PowerVault 660F/PowerVault 224F 8: Dell MD1000 9: Dell MD1120
Syntax	DisplayString
Access	Read-only

Table 1510. 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

Table 1511. 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: 1: Joined 2: Split Bus 3: Clustered 4: Unified
Syntax	Integer
Access	Read-only

Table 1512. 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.

Table 1512. Enclosure Channel Number (continued)

Syntax	Integer
Access	Read-only

Table 1513. 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 (PowerVault 220S and PowerVault 221S only.) Possible values: 1: Disabled 2: Enabled
Syntax	Integer
Access	Read-only

Table 1514. 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

Table 1515. 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

Table 1516. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1517. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1518. 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

Table 1519. 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

Table 1520. 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

Table 1521. 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

Table 1522. 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

Table 1523. 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

Table 1524. Enclosure Occupied Slot Count

Name	enclosureOccupiedSlotCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.31
Description	Shows the number of physical disk slots occupied in a storage enclosure. ⓘ **NOTE:** A value of 9999 indicates that the feature is not available.
Syntax	Integer
Access	Read-only

Table 1525. Enclosure Total Slots

Name	enclosureTotalSlots
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.32
Description	Shows the total number of physical slots in a storage enclosure; it includes total count of occupied and empty slots. ⓘ **NOTE:** A value of 9999 indicates that the feature is not available.
Syntax	Integer
Access	Read-only

Table 1526. Enclosure Empty Slot Count

Name	enclosureEmptySlotCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.33
Description	Shows the number of empty physical disk slots in a storage enclosure. ⓘ **NOTE:** A value of 9999 indicates that the feature is not available
Syntax	Integer
Access	Read-only

Table 1527. Enclosure Express Service Code

Name	enclosureExpressServiceCode
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.34

Table 1527. Enclosure Express Service Code (continued)

Description	Express Service Code (ESC) is base 10 converted numerical value of service tag.
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.

Table 1528. 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

Table 1529. 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`

Table 1530. 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

Table 1531. 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

Table 1532. 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.

Table 1532. Array Disk Vendor (continued)

Syntax	DisplayString
Access	Read-only

Table 1533. 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: 0: Unknown 1: Ready - Available for use, but no RAID configuration has been assigned. 2: Failed - Not operational. 3: Online - Operational. RAID configuration has been assigned. 4: Offline - The drive is not available to the RAID controller. 6: Degraded - Refers to a fault-tolerant array/virtual disk that has a failed disk. 7: Recovering - Refers to state of recovering from bad blocks on disks. 11: Removed - Indicates that array disk has been removed. 13: Non-RAID - Indicates that array disk is not a RAID capable disk. 14: Not Ready - Applicable for PCIeSSD devices indicating that the device is in locked state. 15: Resynching - Indicates one of the following types of disk operations: Transform Type, Reconfiguration, and Check Consistency. 22: Replacing - Indicates copyback operation is in progress. 24: Rebuild 25: No Media - CD-ROM or removable disk has no media. 26: Formatting - In the process of formatting. 28: Diagnostics - Diagnostics are running. 34: Predictive Failure 35: Initializing: Applies only to virtual disks on PERC, PERC 2/SC, and PERC 2/DC controllers. 39: Foreign 40: Clear 41: Unsupported 53: Incompatible 56: Read Only - Applicable for PCIeSSD devices. Indicates that device has reached read-only state.
Syntax	Integer
Access	Read-only

Table 1534. 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.

Table 1534. Array Disk Severity (continued)

Syntax	Integer
Access	Read-only

Table 1535. 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

Table 1536. 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

Table 1537. 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

Table 1538. 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

Table 1539. 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

Table 1540. Array Disk Length in Megabytes

Name	`arrayDiskLengthInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.11

Table 1540. Array Disk Length in Megabytes (continued)

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

Table 1541. 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

Table 1542. 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

Table 1543. 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

Table 1544. 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

Table 1545. 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

Table 1546. 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

Table 1547. 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

Table 1548. 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

Table 1549. 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

Table 1550. 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: 1: SCSI 2: IDE 3: Fibre Channel 4: SSA 6: USB 7: SATA

Table 1550. Array Disk Bus Type (continued)

	8: SAS
	9: PCIe
Syntax	Integer
Access	Read-only

Table 1551. 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:
	1: Disk is a member of a virtual disk
	2: Disk is a member of a disk group
	3: Disk is a global hot spare
	4: Disk is a dedicated hot spare
	5: Not a spare
	99: Not applicable
Syntax	Integer
Access	Read-only

Table 1552. 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:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1553. 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:
	1: Other
	2: Unknown

Table 1553. Array Disk Component Status (continued)

	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1554. 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

Table 1555. 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

Table 1556. 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

Table 1557. 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

Table 1558. 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

Table 1559. 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

Table 1560. 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. Possible values: 1: No - disk has not received a predictive failure alert 2: Yes - disk has received a predictive failure alert
Syntax	Integer
Access	Read-only

Table 1561. 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

Table 1562. Array Disk Manufacture Week

Name	arrayDiskManufactureWeek
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.33
Description	Indicates the week (1 through 53) in which this disk was manufactured.
Syntax	DisplayString
Access	Read-only

Table 1563. Array Disk Manufacture Year

Name	arrayDiskManufactureYear
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.34
Description	Indicates the four-digit year in which this disk was manufactured.
Syntax	DisplayString
Access	Read-only

Table 1564. Array Disk Media Type

Name	arrayDiskMediaType
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.35

Table 1564. Array Disk Media Type (continued)

Description	The Media type of the array disk.
	Possible Values:
	1:unknown
	2:hdd
	3:ssd
Syntax	INTEGER
Access	Read-only

Table 1565. Array Disk Dell Certified

Name	arrayDiskDellCertified
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.36
Description	Indicates if array disk is certified by Dell. Value: 1 - Certified, 0 - Not Certified, 99 - Unknown
Syntax	Integer
Access	Read-only

Table 1566. Array Disk Alta Vendor Id

Name	arrayDiskAltaVendorId
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.37
Description	Provides vendor information for Alta interposer.
Syntax	Octet String
Access	Read-only

Table 1567. Array Disk Alta Product Id

Name	arrayDiskAltaProductId
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.38
Description	Provides product ID for Alta interposer.
Syntax	Octet String
Access	Read-only

Table 1568. Array Disk Alta Revision Id

Name	arrayDiskAltaRevisionId
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.39
Description	Provides revision ID for Alta interposer.
Syntax	Octet String
Access	Read-only

Table 1569. Array Disk Encryption Capable

Name	arrayDiskEncryptionCapable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.40
Description	Indicates if physical disk is encryption capable. Value: 1 - Capable, 0 - Not Capable, 99 - Not Applicable

Syntax	Integer
Access	Read-only

Table 1570. Array Disk Encrypted

Name	arrayDiskEncrypted
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.41
Description	Indicates if the physical disk has encryption enabled. Value: 1 - Yes, 0 - No, 99 - Not Applicable
Syntax	Integer
Access	Read-only

Table 1571. Array Disk Power State

Name	arrayDiskPowerState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.42
Description	Indicates power state of a physical drive. Value: 0 - Spun up, 1- Spun down, 255 - Transition, 99 - Not Applicable
Syntax	Integer
Access	Read-only

Table 1572. Array Disk Drive Write Cache

Name	arrayDiskDriveWriteCache
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.43
Description	Indicates drive write cache capability for PCIe SSD devices. Value: 1 - Enabled, 0 - Disabled, 99 - Undetermined/NotApplicable
Syntax	Integer
Access	Read-only

Table 1573. Array Disk Model Number

Name	arrayDiskModelNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.44
Description	Provides PCIe SSD device model number.
Syntax	DisplayString
Access	Read-only

Table 1574. Array Disk Life Remaining

Name	arrayDiskLifeRemaining
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.45
Description	Provides PCIe SSD device life remaining in percentage. Value: 0..100, 999 - Undetermined/Not Applicable
Syntax	INTEGER
Access	Read-only

Table 1575. Array Disk Driver Version

Name	arrayDiskDriverVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.46
Description	Provides PCIe SSD device driver version.
Syntax	INTEGER
Access	Read-only

Table 1576. Array Disk Device Life Status

Name	arrayDiskDeviceLifeStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.47
Description	Provides PCIe SSD device life status. Possible Values: -1: Not Available / Not Applicable 1: Drive Health Good 2: Approaching Warranty Coverage Expiry 3: Warranty Coverage Expired 4: Approaching Read Only 5: Read Only
Syntax	INTEGER
Access	Read-only

Table 1577. Array Disk Read Only

Name	arrayDiskReadOnly
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.48
Description	Provides the read only attribute for PCIe SSD. Possible Values: Yes, No, Not Applicable
Syntax	DisplayString
Access	Read-only

Table 1578. Array Disk Remaining Rated Write Endurance

Name	arrayDiskRemainingRatedWriteEndurance
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.49
Description	Provides the remaining rated write endurance for SAS/SATA SSD device. Possible Values: 0-100% : Not Available / Not Applicable
Syntax	DisplayString
Access	Read-only

Table 1579. Array Disk Sector Size

Name	arrayDiskSectorSize
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.50

Table 1579. Array Disk Sector Size (continued)

Description	Provides the information regarding sector size of the array disk.
	Possible Values:
	512 or 4096
Syntax	INTEGER
Access	Read-only

Table 1580. Array Disk PI Capable

Name	arrayDiskPICapable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.51
Description	Provides the information regarding T10 PI capability of array disk.
	Possible Values:
	0 : T10 PI incapable or 1 : T10 PI capable
Syntax	INTEGER
Access	Read-only

Table 1581. Array Disk Max Link Width

Name	arrayDiskMaxLinkWidth
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.52
Description	Provides the information regarding Max Link Width of array disk.
	Possible Values:
	0 – 8
Syntax	INTEGER
Access	Read-only

Table 1582. Array Disk Negotiated Link Width

Name	arrayDiskNegotiatedLinkWidth
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.53
Description	Provides the information regarding Negotiated Link Width of array disk.
	Possible Values:
	0 – 8
Syntax	INTEGER
Access	Read-only

Table 1583. Non-RAID Disk Cache Policy

Name	nonRAIDdiskCachePolicy
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.54
Description	Displays the current disk write cache policy of the Non-RAID disk.
	Possible Values:
	Enabled - Disabled
Syntax	DisplayString
Access	Read-only

Table 1584. Array Disk Cache Policy

Name	arraydiskCachePolicy
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.55
Description	Displays the current disk write cache policy of the array disk. Possible Values: Enabled - Disabled - Default
Syntax	DisplayString
Access	Read-only

Table 1585. Array Disk ISE Capable

Name	arraydiskISECapable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.56
Description	A boolean value decepting if the disk is Instant Secure Erase Capable or not.
Syntax	INTEGER
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 the object properties can be found.

ⓘ **NOTE:** Only array disks that are part of an enclosure are listed in this table. Backplanes are considered enclosures by Storage Management.

The following object sets up the Array Disk Enclosure Connection Table.

Table 1586. 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

Table 1587. 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	Syntax ArrayDiskEnclosureConnectionEntry
Access	Not accessible
Index	Index arrayDiskEnclosureConnectionNumber

Table 1588. 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.

Table 1588. Array Disk Enclosure Connection Number (continued)

Syntax	Integer
Access	Read-only

Table 1589. 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

Table 1590. 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

Table 1591. 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

Table 1592. 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

Table 1593. 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

Table 1594. 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 controller, table 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 the object properties can be found.

(i) **NOTE:** Only array disks that are NOT part of an enclosure are listed in this table. Backplanes are considered enclosures by Storage Management.

The following object sets up the Array Disk Channel Connection Table.

Table 1595. 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

Table 1596. 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

Table 1597. 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

Table 1598. 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

Table 1598. Array Disk Channel Connection Array Disk Name (continued)

Description	Identifies the name of the array disk in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Table 1599. 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

Table 1600. 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

Table 1601. 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

Table 1602. 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

Table 1603. Array Disk Channel Connection Controller Number

Name	arrayDiskChannelConnectionControllerNumber

Table 1603. Array Disk Channel Connection Controller Number (continued)

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.

Table 1604. 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

Table 1605. 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

Table 1606. 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

Table 1607. Fan Name

Name	fanName
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

Table 1608. Fan Vendor

Name	fanVendor

Table 1608. Fan Vendor (continued)

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

Table 1609. 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: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 6: Degraded 21: Missing
Syntax	Integer
Access	Read-only

Table 1610. 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

Table 1611. 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

Table 1612. 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

Table 1613. 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

Table 1614. 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

Table 1615. 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

Table 1616. 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

Table 1617. 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

Table 1618. 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

Table 1618. Fan 2 Part Number (continued)

Access	Read-only

Table 1619. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1620. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1621. 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

Table 1622. 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.

Table 1623. Fan Connection Table

Name	fanConnectionTable
Object ID	fanConnectionTable
Description	Defines the fan connection table.
Syntax	SEQUENCE OF FanConnectionEntry
Access	Not accessible

Table 1624. 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

Table 1625. 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

Table 1626. 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

Table 1627. 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

Table 1627. Fan Connection Fan Number (continued)

Access	Read-only

Table 1628. 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

Table 1629. 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.

Table 1630. 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

Table 1631. 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

Table 1632. 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

Table 1632. Power Supply Number (continued)

Access	Read-only

Table 1633. 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

Table 1634. 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

Table 1635. 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: 0: Unknown 1: Ready 2: Failed 5: Not Installed 6: Degraded 11: Removed
Syntax	Integer
Access	Read-only

Table 1636. 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

Table 1637. 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.

Table 1637. Power Supply 1 Part Number (continued)

Syntax	DisplayString
Access	Read-only

Table 1638. 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

Table 1639. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1640. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1641. Power Supply NexusID

Name	powerSupplyNexusID

Table 1641. Power Supply NexusID (continued)

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

Table 1642. 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.

Table 1643. 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

Table 1644. 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

Table 1645. 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

Table 1646. Power Supply Connection Power Supply Name

Name	powerSupplyConnectionPowerSupplyName

Table 1646. Power Supply Connection Power Supply Name (continued)

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

Table 1647. 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

Table 1648. 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

Table 1649. 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

Table 1650. Power Supply Connection Firmware Version

Name	powerSupplyConnectionFirmwareVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.6
Description	Displays power supply connection firmware version. ⓘ **NOTE:** Available firmware version 1.04 and later.
Syntax	DisplayString
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.

Table 1651. 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. ⓘ **NOTE:** The properties in this table may not be applicable to all entries.
Syntax	SEQUENCE OF TemperatureProbeEntry
Access	Not accessible

Table 1652. 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

Table 1653. 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

Table 1654. 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

Table 1655. 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

Table 1656. Temperature Probe State

Name	temperatureProbeState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.4

Table 1656. Temperature Probe State (continued)

Description	Identifies the current state of the temperature probe.
	Possible states:
	0: Unknown
	1: Ready
	2: Failed (Minimum Failure Threshold Exceeded, Maximum Failure Threshold Exceeded)
	4: Offline
	6: Degraded (Minimum Warning Threshold Exceeded, Maximum Warning Threshold Exceeded)
	9: Inactive
	21: Missing
Syntax	Integer
Access	Read-only

Table 1657. 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

Table 1658. 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 are used to display temperatures for the temperature probe.
Syntax	DisplayString
Access	Read-only

Table 1659. 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 forces the probe into a warning state.
Syntax	Integer
Access	Read-only

Table 1660. 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 forces the probe into an error state.
Syntax	Integer
Access	Read-only

Table 1661. 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 forces the probe into a warning state.
Syntax	Integer
Access	Read-only

Table 1662. 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 forces the probe into an error state.
Syntax	Integer
Access	Read-only

Table 1663. 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

Table 1664. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1665. 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: 1: Other

Table 1665. Temperature Probe Component Status (continued)

	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1666. 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.

Table 1667. 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

Table 1668. 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

Table 1669. 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

Table 1670. 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

Table 1671. 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

Table 1672. 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

Table 1673. 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.

Table 1674. 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

Table 1675. 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

Table 1676. 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

Table 1677. 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

Table 1678. 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

Table 1679. 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: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 5: Not Installed 6: Degraded 21: Missing

Table 1679. Enclosure Management Module State (continued)

Syntax	Integer
Access	Read-only

Table 1680. 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

Table 1681. 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

Table 1682. 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: 0: Unknown 1: EMM 2: Termination Card
Syntax	Integer
Access	Read-only

Table 1683. 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

Table 1684. 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

Table 1685. 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:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1686. 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:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1687. 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

Table 1688. 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.

Table 1689. 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

Table 1690. 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

Table 1691. 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

Table 1692. 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

Table 1693. 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

Table 1694. 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

Table 1695. Enclosure Management Module Connection Enclosure Number

Name	enclosureManagementModuleConnectionEnclosure Number
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.

Table 1696. 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

Table 1697. 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

Table 1698. 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

Table 1699. 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

Table 1700. 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

Table 1701. 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: 0: Unknown 1: OK 2: Failed 6: Degraded 7: Reconditioning 9: High 10: Low 12: Charging 21: Missing 36: Learning
Syntax	Integer
Access	Read-only

Table 1702. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical

Table 1702. Battery Roll-Up Status (continued)

	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1703. 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: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1704. 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

Table 1705. 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

Table 1706. 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

Table 1707. Battery Predicted Capacity

Name	batteryPredictedCapacity

Table 1707. Battery Predicted Capacity (continued)

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.
	Possible values:
	1: Failed - The battery cannot be charged and needs to be replaced.
	2: Ready - The battery can be charged to full capacity.
	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

Table 1708. 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

Table 1709. 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.
	Possible values:
	1: Failed
	2: Active
	4: Timed out
	8: Requested
	16: Idle
	32: due
Syntax	Integer
Access	Read-only

Table 1710. Battery ID

Name	batteryID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.13
Description	Represents unique id for battery.
Syntax	Integer
Access	Read-only

Table 1711. 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.

Table 1711. Battery Maximum Learn Delay (continued)

Syntax	Integer
Access	Read-only

Table 1712. Battery Learn Mode

Name	`batteryLearnMode`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.15
Description	Indicates current learn mode of the battery. Possible values: 1: Auto 2: Warn 4: Autowarn 8: Unknown
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.

Table 1713. 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

Table 1714. 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`

Table 1715. 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

Table 1716. 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

Table 1717. 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 battery table of the battery in this connection.
Syntax	Integer
Access	Read-only

Table 1718. 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

Table 1719. 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 controller table to which this battery belongs.
Syntax	Integer
Access	Read-only

Tape Drive Table

This table describes available properties for each tape drive on the managed system.

The following object sets up the Tape Drive Table.

Table 1720. Tape Drive Table

Name	tapeDriveTable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17
Description	A table of listed Tape Drives The number of entries is related to number of Tape Drives discovered in the system. The maximum number of entries is implementation-dependent. ⓘ **NOTE:** The properties in this table may not be applicable to all entries.
Syntax	SEQUENCE OF TapeDriveEntry

Table 1720. Tape Drive Table (continued)

Access	Not accessible

Table 1721. Tape Drive Entry

Name	tapeDriveEntry
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1
Description	An entry in the Tape Library table. A row in this table cannot be created or deleted by SNMP operations on columns of the table.
Syntax	TapeDriveEntry
Access	Not accessible

Table 1722. Tape Drive Number

Name	tapeDriveNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.1
Description	Instance number of this tape drive entry.
Syntax	INTEGER
Access	Read-only

Table 1723. Tape Drive Name

Name	tapeDriveName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.2
Description	The name of the tape drive as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Table 1724. Tape Drive Vendor

Name	tapeDriveVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.3
Description	The tape drive's manufacturer's name.
Syntax	DisplayString
Access	Read-only

Table 1725. Tape Drive Product ID

Name	tapeDriveProductID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.4
Description	The model number of the tape drive.
Syntax	DisplayString
Access	Read-only

Table 1726. Tape Drive Nexus ID

Name	tapeDriveNexusID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.5
Description	Durable unique ID for this tape drive

Table 1726. Tape Drive Nexus ID (continued)

Syntax	DisplayString
Access	Read-only

Table 1727. Tape Drive Bus Type

Name	tapeDriveBusType
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.6
Description	The bus type of the tape drive. Possible values: 8. SAS
Syntax	INTEGER
Access	Read-only

Table 1728. Tape Drive SAS Address

Name	tapeDriveSASAddress
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.7
Description	The specified SAS address if this is a SAS tape drive.
Syntax	DisplayString
Access	Read-only

Table 1729. Tape Drive Media Type

Name	tapeDriveMediaType
Object ID	1.3.6.1.4.1.674.10893.1.20.130.17.1.8
Description	The Media type of the tape drive. Possible Values: 4: Tape
Syntax	INTEGER
Access	Read-only

NVME adapter table

This table describes available NVME adapter cards on the managed system. The number of entries is related to number of NVME Adapter cards discovered in the system.

The following object sets up the NVME adapter Table.

Table 1730. NVME Adapter Table

Name	nvmeAdapterTable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18
Description	A table of listed NVME Adapter cards ⓘ **NOTE:** The properties in this table may not be applicable to all entries.
Syntax	SEQUENCE OF NvmeAdapterEntry
Access	Not accessible

Table 1731. NVME Adapter Entry

Name	nvmeAdapterEntry

Table 1731. NVME Adapter Entry (continued)

Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1
Description	An entry in the NvmeAdapter table. A row in this table cannot be created or deleted by SNMP operations on columns of the table.
Syntax	NvmeAdapterEntry
Access	Not accessible

Table 1732. NVME Adapter Number

Name	nvmeAdapterNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.1
Description	Instance number of this NVME Adapter entry.
Syntax	INTEGER
Access	Read-only

Table 1733. NVME Adapter State

Name	nvmeAdapterState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.2
Description	The current state of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1734. NVME Adapter Controller Number

Name	nvmeAdapterControllerNum
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.3
Description	The PCIeSSD subsystem Id to which the NVMe Adapter belongs to.
Syntax	INTEGER
Access	Read-only

Table 1735. NVME Adapter PCI Slot

Name	nvmeAdapterPCISlot
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.4
Description	The PCI slot of the system where the adapter card is connected.
Syntax	INTEGER
Access	Read-only

Table 1736. NVME Adapter Device Name

Name	nvmeAdapterDeviceName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.5
Description	The device name of the NVMe Adapter as it is represented in OMSA and also the operating system.
Syntax	DisplayString
Access	Read-only

Table 1737. NVME Adapter Vendor

Name	nvmeAdapterVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.6
Description	NVMe Adapter manufacturer.
Syntax	DisplayString
Access	Read-only

Table 1738. NVME Adapter Product ID

Name	nvmeAdapterProductID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.7
Description	The product id or part number of the NVMe Adapter.
Syntax	DisplayString
Access	Read-only

Table 1739. NVME Adapter Serial Number

Name	nvmeAdapterSerialNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.8
Description	Product serial number of the NVMe Adapter.
Syntax	DisplayString
Access	Read-only

Table 1740. NVME Adapter Revision

Name	nvmeAdapterRevision
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.9
Description	The NVMe Adapter revision.
Syntax	DisplayString
Access	Read-only

Table 1741. NVME Adapter Driver Version

Name	nvmeAdapterDriverVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.10
Description	NVMe Adapter driver version.
Syntax	DisplayString
Access	Read-only

Table 1742. NVME Adapter PCI Bus Number

Name	nvmeAdapterPCIBusNo
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.11
Description	The PCI Bus number of the NVMe adapter.
Syntax	INTEGER
Access	Read-only

Table 1743. NVME Adapter PCI Device Number

Name	nvmeAdapterPCIDeviceNum
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.12
Description	The PCI device number of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1744. NVME Adapter PCI Func Number

Name	nvmeAdapterPCIFuncNum
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.13
Description	The PCI device number of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1745. NVME Adapter Nexus ID

Name	nvmeAdapterNexusID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.14
Description	Nexus ID of the NVMe Adapter.
Syntax	DisplayString
Access	Read-only

Table 1746. NVME Adapter Bus Protocol Type

Name	nvmeAdapterBusProtocolType
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.15
Description	The Bus protocol for NVMe device: value: 9 (PCIeSSD)
Syntax	INTEGER
Access	Read-only

Table 1747. NVME Adapter Media Type

Name	nvmeAdapterMediaType
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.16
Description	NVMe Adapter media type. Possible Values: 1: unknown 2: ssd
Syntax	INTEGER
Access	Read-only

Table 1748. NVME Adapter Length In Mega Bytes

Name	nvmeAdapterLengthInMegaBytes
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.17

Table 1748. NVME Adapter Length In Mega Bytes (continued)

Description	Size in megabytes of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1749. NVME Adapter Length Offset Bytes

Name	nvmeAdapterLengthOffsetBytes
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.18
Description	Number of bytes after total number of megabytes have been subtracted from the total size of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1750. NVME Adapter Device ID

Name	nvmeAdapterDeviceID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.19
Description	The device Id of the NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1751. NVME Adapter Model Number

Name	nvmeAdapterModelNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.20
Description	Model number of the NVMe Adapter as per the manufacturer.
Syntax	DisplayString
Access	Read-only

Table 1752. NVME Adapter Negotiated Speed

Name	nvmeAdapterNegotiatedSpeed
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.21
Description	The negotiated speed of the NVMe adapter in GT/s.
Syntax	DisplayString
Access	Read-only

Table 1753. NVME Adapter Capable Speed

Name	nvmeAdapterCapableSpeed
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.22
Description	The maximum rated speed of the NVMe adapter in GT/s.
Syntax	INTEGER
Access	Read-only

Table 1754. NVME Adapter Remaining Rated Write Endurance

Name	nvmeAdapterRemainingRatedWrEnd

Table 1754. NVME Adapter Remaining Rated Write Endurance (continued)

Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.23
Description	The remaining percentage of writes on the NVME device.
Syntax	INTEGER
Access	Read-only

Table 1755. NVME Adapter Form Factor

Name	nvmeAdapterFormFactor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.24
Description	The form factor of the NVMe Adapter. Possible Values 2 : Card
Syntax	INTEGER
Access	Read-only

Table 1756. NVME Adapter Supported Specification

Name	nvmeAdapterSupportedSpec
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.25
Description	The NVMe specification supported by the device.
Syntax	DisplayString
Access	Read-only

Table 1757. NVME Adapter Maximum Link Width

Name	nvmeAdapterMaxLinkWidth
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.26
Description	The maximum bus width of NVME Adapter.
Syntax	INTEGER
Access	Read-only

Table 1758. NVME Adapter Negotiated Link Width

Name	nvmeAdapterNegotiatedLinkWidth
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.27
Description	The negotiated bus width of NVMe Adapter.
Syntax	INTEGER
Access	Read-only

Table 1759. NVME Adapter Sub Vendor

Name	nvmeAdapterSubVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.28
Description	Sub vendor of the NVMe Adapter device.
Syntax	DisplayString
Access	Read-only

Table 1760. NVME Adapter Available Spare

Name	nvmeAdapterAvailableSpare
Object ID	1.3.6.1.4.1.674.10893.1.20.130.18.1.29
Description	The remaining available spare space on the NVME device.
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.
- **Virtual Disk Partition** -- describes the available properties for each disk partitions 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.

Table 1761. 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

Table 1762. 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

Table 1763. 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

Table 1763. Virtual Disk Number (continued)

Access	Read-only

Table 1764. 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

Table 1765. 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

Table 1766. 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: 0: Unknown 1: Ready - The disk is accessible and has no known problems. 2: Failed - The data on the virtual disk is no longer fault tolerant because one of the underlying disks is not online. 3: Online 4: Offline - The disk is not accessible. The disk may be corrupted or intermittently unavailable. 6: Degraded - The data on the virtual disk is no longer fault tolerant because one of the underlying disks is not online. 15: Resynching 16: Regenerating 24: Rebuilding 26: Formatting 32: Reconstructing 35: Initializing 36: Background Initialization 38: Resynching Paused 52: Permanently Degraded 54: Degraded Redundancy
Syntax	INTEGER
Access	Read-only

Table 1767. 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

Table 1768. 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

Table 1769. 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

Table 1770. 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

Table 1771. 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

Table 1772. 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 are used when writing to a virtual disk.

Table 1772. Virtual Disk Write Policy (continued)

	Possible values:
	1: Enabled - Adaptec Write Cache Enabled Protected
	2: Disabled - Adaptec Write Cache Disabled
	3: LSI Write Back
	4: LSI Write Through
	5: Enabled Always (Adaptec only)
	6: Enabled Always (SAS only)
	9: Not Applicable
Syntax	INTEGER
Access	Read-only

Table 1773. 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 are used when reading from a virtual disk.
	Possible values:
	1: Enabled - Adaptec Read Cache Enabled
	2: Disabled - Adaptec Read Cache Disabled
	3: LSI Read Ahead
	4: LSI Adaptive Read Ahead
	5: LSI No Read Ahead
	9: Not Applicable
Syntax	INTEGER
Access	Read-only

Table 1774. 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: 1: Direct I/O (LSI) 2: Cached I/O (LSI) 99: Not Applicable
Syntax	INTEGER
Access	Read-only

Table 1775. 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: 1: Concatenated 2: RAID-0 3: RAID-1 7: RAID-5 8: RAID-6 10: RAID-10 12: RAID-50 19: Concatenated RAID 1 24: RAID-60 25: CacheCade
Syntax	INTEGER
Access	Read-only

Table 1776. 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

Table 1777. 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

Table 1778. 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

Table 1779. 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

Table 1780. 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

Table 1781. 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.

Table 1781. Virtual Disk Roll-Up Status (continued)

	Possible values:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1782. 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:
	1: Other
	2: Unknown
	3: OK
	4: Non-critical
	5: Critical
	6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Table 1783. 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

Table 1784. 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.
	Possible values:
	1: SAS
	2: SATA
	3: SCSI
	4: IDE
	99: Unknown

Table 1784. Virtual Disk Array Disk Type (continued)

Syntax	INTEGER
Access	Read-only

Table 1785. Virtual Disk Bad Blocks Detected

Name	virtualDiskBadBlocksDetected
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.23
Description	Indicates if virtual disk has bad blocks. Value: 0 - No, 1 - Yes, 2 - Not Applicable, 99 - Unknown
Syntax	INTEGER
Access	Read-only

Table 1786. Virtual Disk Encrypted

Name	virtualDiskEncrypted
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.24
Description	Indicates if virtual disk is encrypted. Value: 0 - No, 1 - Yes, 99 - Unknown
Syntax	INTEGER
Access	Read-only

Table 1787. Virtual Disk is CacheCade

Name	virtualDiskIsCacheCade
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.25
Description	Indicates if this virtual disk is configured as CacheCade. Value: 1 - Yes, 0 - No, 99 - Undetermined
Syntax	INTEGER
Access	Read-only

Table 1788. Virtual Disk Disk Cache Policy

Name	virtualDiskDiskCachePolicy
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.26
Description	Indicates disk cache policy of the logical device. Value: 1 - Enabled, 2 - Disabled, 99 - Undetermined SWRAID : 2 - Enabled, 4 - Disabled, 8 - Default, 10 - Undetermined
Syntax	INTEGER
Access	Read-only

Table 1789. Virtual Disk PI Enable

Name	virtualDiskPIEnable
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.28
Description	Indicates if T10 PI is enabled on a virtual disk. Possible values are:

Table 1789. Virtual Disk PI Enable (continued)

	0 : T10 PI disabled, 1 : T10 PI enabled
Syntax	INTEGER
Access	Read-only

Virtual Disk Partition

Table 1790. Virtual Disk Partition Table

Name	virtualDiskPartitionTable
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2
Description	A table of managed virtual disk partitions. The number of entries is related to number of partitions discovered in the system. The maximum number of entries is implementation-dependent. ⓘ **NOTE:** The properties in this table may not be applicable to all entries.
Syntax	SEQUENCE OF VirtualDiskPartitionEntry
Access	Not-Accessible

Table 1791. Virtual Disk Partition Entry

Name	virtualDiskPartitionEntry
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1
Description	An entry in the Virtual Disk Partition table. A row in this table cannot be created or deleted by SNMP operations on columns of the table.
Syntax	VirtualDiskPartitionEntry
Access	Not—Accessible

Table 1792. Virtual Disk Partition Number

Name	virtualDiskPartitionNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1.1
Description	Instance number of this partition entry.
Syntax	INTEGER
Access	Read-only

Table 1793. Virtual Disk Partition Device Name

Name	virtualDiskPartitionDeviceName
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1.2
Description	Device name of the partition given by the operating system.
Syntax	OCTET STRING
Access	Read-only

Table 1794. Virtual Disk Partition State

Name	virtualDiskPartitionState
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1.3

Table 1794. Virtual Disk Partition State (continued)

Description	State of the partition. This is mapped stated of the associate virtual disk.
	● Active - Mapped cache disk is working fine.
	● No - Fluid cache is not enabled.
	● Removing - This is a transient stage during the process of disabling the cache.
	● Failed - Mapped cache disk has failed.
Syntax	INTEGER
Access	Read-only

Table 1795. Virtual Disk Partition Size

Name	`virtualDiskPartitionSize`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1.4
Description	Size of the partition in GB.
Syntax	INTEGER
Access	Read-only

Table 1796. Virtual Disk Partition Nexus ID

Name	`virtualDiskPartitionNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.2.1.6
Description	Durable unique ID for this partition. This comprises the controllerID, virtualDisk ID and hash mapped WWN number of this partition.
Syntax	DisplayString
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 the object properties can be found.

The following object sets up the Array Disk Logical Connection Table.

Table 1797. 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

Table 1798. 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

Table 1798. Array Disk Logical Connection Entry (continued)

Index	arrayDiskLogicalConnectionNumber

Table 1799. 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

Table 1800. 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

Table 1801. 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

Table 1802. 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

Table 1803. 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

Table 1804. 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

Table 1805. 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 are sent with SNMP traps.

Table 1806. 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

Table 1807. 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

Table 1808. 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

Table 1809. 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

Table 1810. 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

Table 1811. 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

Table 1812. Current Status Event

Name	currentStatusEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.7
Description	Status of object causing the alert, if applicable.
Syntax	DellStatus
Access	Read-only

Table 1813. 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

Table 1814. Enhanced Message ID Event

Name	enhancedMessageIDEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.9
Description	Enhanced Storage Management Message ID.
Syntax	DisplayString
Access	Read-only

Table 1815. System FQDN Event

Name	systemFQDNEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.10
Description	System FQDN of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Table 1816. Service Tag Event

Name	serviceTagEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.11
Description	Service Tag of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Table 1817. Chassis Service Tag Event

Name	chassisServiceTagEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.12
Description	Chassis Service Tag of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Change Management Group

The Change Management Group lets you monitor information about the devices and software that are present on a particular managed computer chassis. This information is collected during an inventory scan.

ⓘ **NOTE:** On systems running Linux, the optional `srvadmin-cm` RPM package must be installed for Dell EMC OpenManage Server Administrator to respond to SNMP queries in this group. See the *Dell EMC Server Administrator Installation Guide* for more information.

Topics:

- Inventory Group
- Device Group
- Application Group
- Operating System Group
- Inventory Collector Product Information

Inventory Group

The following objects describe the fields for inventory information.

Table 1818. 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

Table 1819. 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

Table 1820. 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.

Table 1821. Device 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

Table 1822. 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

Table 1823. 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

Table 1824. 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

Table 1825. 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

Table 1826. 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

Table 1827. 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

Table 1828. 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

Table 1829. 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

(i) **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

Table 1830. Application 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.

Table 1830. Application Table (continued)

Syntax	Defines a table of application information for the system.
Access	Not accessible

Table 1831. 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

Table 1832. Application Index

Name	aplicationIndex
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

Table 1833. 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

Table 1834. 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

Table 1835. 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

Table 1836. Application Display String

Name	aplicationDisplayString
Object ID	1.3.6.1.4.1.674.10899.1.6.1.5
Description	A user visible display string that describes the application.

Table 1836. Application Display String (continued)

Syntax	DisplayString
Access	Read-only

Table 1837. Application Sub-Component ID

Name	`applicationSubComponentID`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.6
Description	The subcomponent ID for the application. This is 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.

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.

SNMP Traps

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

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

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

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

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

ⓘ **NOTE:** For information on Server Administrator Storage Management traps, see in Storage Management Alert Reference, the Alert Descriptions and Corrective Actions.

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

Topics:

- Trap Variables
- Understanding The Trap Description
- Understanding Trap Severity
- BMC Traps

Trap Variables

This section describes the variables both on Traditional and Enhanced varbinds 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.

The messages associated with each alertMessage varbind are available in the *Message Reference Guide* and can be found by matching the alert ID in the MIB to the event ID in the *Message Reference Guide.*

Table 1838. Trap Variables

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

Table 1839. Table Index OID

Variable Name	`alertTableIndexOID`

Table 1839. Table Index OID (continued)

Object ID	1.3.6.1.4.1.674.10892.1.5000.10.2
Description	Specifies 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`

Table 1840. Message

Variable Name	`alertMessage`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.3
Description	Describes the alert.
Syntax	DisplayString

Table 1841. Current Status

Variable Name	`alertCurrentStatus`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.4
Description	Specifies the status of the object causing the alert.
Syntax	DellStatus

Table 1842. Previous Status

Variable Name	`alertPreviousStatus`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.5
Description	Specifies the previous status of the object causing the alert.
Syntax	DellStatus

Table 1843. 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

The following variables show the Enhanced varbinds:

Table 1844. Message ID

Variable Name	`alertMsgID`
Object ID	1.3.6.1.4.1.674.10892.4.5000.10.7
Description	Specifies the enhanced message ID for the object generating the alert.
Syntax	DisplayString

Table 1845. System FQDN

Variable Name	`alertSystemFQDN`
Object ID	1.3.6.1.4.1.674.10892.4.5000.10.8
Description	Specifies fully qualified domain name of the system generating the alert.
Syntax	DisplayString

Table 1846. Service Tag

Variable Name	alertServiceTag
Object ID	1.3.6.1.4.1.674.10892.4.5000.10.9
Description	Specifies the system service tag of the system generating the alert.
Syntax	DisplayString

Table 1847. Chassis Service Tag

Variable Name	alertChassisServiceTag
Object ID	1.3.6.1.4.1.674.10892.4.5000.10.10
Description	Specifies the chassis service tag of the system generating the alert.
Syntax	DisplayString

Understanding The Trap Description

The following table lists in alphabetical order each line item that may appear in the trap description.

Table 1848. Trap Description

Description Line Item	Explanation
Action performed was: `<Action>`	Specifies the automatic server recovery action that was performed, for example: `Action performed was: Power cycle`
Action requested was: `<Action>`	Specifies the user initiated host control action that was requested, for example: `Action requested was: Reboot, shutdown OS first`

Additional details: `<Additional details for the events>`	Specifies possible additional details about the specified device, for example:
	
	Additional details:
	
	`Memory device: DIMM_1A Serial number: 11111111`
	
	`Memory device: DIMM_1B Serial number: 22222222`

`<Additional power supply status information>`	Specifies any additional power supply information pertaining to the event, for example: `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: `Battery sensor status: Predictive failure`
Chassis intrusion state: `<Intrusion state>`	Specifies the chassis intrusion state (open or closed), for example: `Chassis intrusion state: Open`
Chassis location: `<Name of chassis>`	Specifies the name of the chassis that generated the message, for example: `Chassis location: Main System Chassis`
Configuration error type: `<type of configuration error>`	Specifies the type of configuration error that occurred, for example: `Configuration error type: Revision mismatch`
Current sensor value (in Amps): `<Reading>`	Specifies the current sensor value in amps, for example: `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:

Table 1848. Trap Description (continued)

Description Line Item	Explanation
	`Date and time of action: Fri May 30 23:55:44 2003.`
`Description: <Description of event>`	Specifies the description of the event that occurred, for example: `Description: Chipset Err: Critical Event sensor, front panel NMI / diagnostic interrupt was asserted.`
`Device location: <Location in chassis>`	Specifies the location of the device in the specified chassis, for example: `Device location: Mem Card A`
`Discrete current state: <State>`	Specifies the state of the current sensor, for example: `Discrete current state: Good`
`Discrete temperature state: <State>`	Specifies the state of the temperature sensor, for example: `Discrete temperature state: Good`
`Discrete voltage state: <State>`	Specifies the state of the voltage sensor, for example: `Discrete voltage state: Good`

`Fan sensor value: <Reading>`	Specifies the fan speed in revolutions per minute (RPMs) or On/Off, for example:
	`Fan sensor value (in RPM): 2600`
	`Fan sensor value: Off`

`Log type: <Log type>`	Specifies the type of hardware log, for example: `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: `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: `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: `Number of devices required for full redundancy: 4`
`Peak value (in Watts): <Reading>`	Specifies the peak value in Watts, for example: `Peak value (in Watts): 125`

`Possible memory module event cause: <list of causes>`	Specifies a list of possible causes for the memory module event, for example:
	`Possible memory module event cause: Single bit warning error rate exceeded`
	`Single bit error logging disabled`

`Power Supply type: <type of power supply>`	Specifies the type of power supply, for example: `Power Supply type: VRM`
`Pre-failure state was: <State>`	Specifies the status of the previous memory message, for example: `Pre-failure state was: Failed`
`Previous redundancy state was: <State>`	Specifies the status of the previous redundancy message, for example: `Previous redundancy state was: Lost`

Table 1848. Trap Description (continued)

Description Line Item	Explanation
`Previous state was: <State>`	Specifies the previous state of the sensor, for example: `Previous state was: OK (Normal)`
`Processor sensor status: <status>`	Specifies the status of the processor sensor, for example: `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: `Redundancy unit: Fan Enclosure`
`SD card device type: <Type of SD card device>`	Specifies the type of SD card device, for example: `SD card device type: Hypervisor`
`SD card state: <State of SD card>`	Specifies the state of the SD card, for example: `SD card state: Present, Failed`
`Sensor location: <Location in chassis>`	Specifies the location of the sensor in the specified chassis, for example: `Sensor location: CPU1`
`Temperature sensor value (in degrees Celsius): <Reading>`	Specifies the temperature in degrees Celsius, for example: `Temperature sensor value (in degrees Celsius): 30`
`Voltage sensor value (in Volts): <Reading>`	Specifies the voltage sensor value in volts, for example: `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.

BMC Traps

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

Table 1849. BMC Traps

TrapID	Description	Severity
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Information
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Information

Table 1849. BMC Traps (continued)

TrapID	Description	Severity
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Information
65792	Under-Temperature Warning (Lower non-critical, going low)	Warning
65920	Under-Temperature Warning Cleared	Information
65794	Under-Temperature Problem (Lower Critical - going low)	Critical
65922	Under-Temperature Problem Cleared	Information
65799	Over-Temperature warning (Upper non-critical, going high)	Minor
65927	Over-Temperature warning Cleared	Information
65801	Over-Temperature Problem (Upper Critical - going high)	Critical
65929	Over-Temperature Problem Cleared	Information
131328	Under-Voltage Warning (Lower Non Critical - going low)	Warning
131456	Under-Voltage Warning Cleared	Information
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Information
131335	Over-Voltage Warning (Upper Non Critical - going high)	Warning
131463	Over-Voltage Warning Cleared	Information
131337	Over-Voltage Problem (Upper Critical - going high)	Critical
131465	Over-Voltage Problem Cleared	Information
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Information
356096	Chassis Intrusion - Physical Security Violation	Critical
356224	Chassis Intrusion (Physical Security Violation) Event Cleared	Information
262400	Generic Predictive Fan Failure (predictive failure asserted)	Minor
262528	Generic Predictive Fan Failure Cleared	Information
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Information
264962	Fan redundancy has been degraded	Warning
264961	Fan Redundancy Lost	Critical
264960	Fan redundancy has returned to Normal	Information
2715392	Battery Low (Predictive Failure)	Warning
2715520	Battery Low (Predictive Failure) Cleared	Information

Table 1849. BMC Traps (continued)

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

Table 1849. BMC Traps (continued)

TrapID	Description	Severity
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

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.

Topics:

- Alert Monitoring and Logging
- Viewing Alerts
- Alert Severity Levels
- SNMP Support for Storage Management Alerts
- Viewing SNMP Traps
- Alert Descriptions and Corrective Actions

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 are 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.
   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 which indicates the nature of the alert and is displayed in the **Severity** field of the alert message. The severity level indicates the nature of the alert.

Table 1850. Storage Management Alert Severity

Alert Severity	Component Status

Table 1850. Storage Management Alert Severity (continued)

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.

(i) **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 are 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 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 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.

(i) **NOTE:** Storage Management supports trap forwarding on both 32-bit and 64-bit operating systems.

Trap Variables

The Storage Management SNMP traps use a set of variables that are included with every trap. Below mentioned variables are the Traditional Varbinds:

Table 1851. Message ID Event

Name	`messageIDEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.1
Description	Storage Management alert (event) message number.
Syntax	INTEGER

Table 1851. Message ID Event (continued)

Access	Read-only

Table 1852. 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

Table 1853. 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

Table 1854. 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

Table 1855. 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

Table 1856. 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

Table 1857. Current Status Event

Name	currentStatusEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.7
Description	Status of object causing the alert, if applicable.
Syntax	DellStatus

Table 1857. Current Status Event (continued)

Access	Read-only

Table 1858. 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

The following table shows the new enhanced mode varbinds which would be available in the EEMI where the user can get both Traditional and Enhanced varbinds :

Table 1859. Enhanced Message ID Event

Name	enhancedMessageIDEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.9
Description	Enhanced Message ID of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Table 1860. Enhanced System FQDN Event

Name	systemFQDNEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.10
Description	Hostname of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Table 1861. Enhanced Service Tag Event

Name	serviceTagEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.11
Description	Service Tag of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

Table 1862. Enhanced Chassis Service Tag Event

Name	chassisServiceTagEvent
Object ID	1.3.6.1.4.1.674.10893.1.20.200.12
Description	Chassis Service Tag of object causing the alert if applicable.
Syntax	DisplayString
Access	Read-only

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 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 that 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 EMC OpenManage Server Administrator Messages Reference Guide* available on the Dell Support website at **dell.com/ support/manuals**.

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 describing 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.

Topics:

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 1863. 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`	Gauge (0..4294967295)
`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 1864. Dell State Capabilities

Variable Name: `DellStateCapabilities`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**

Table 1864. Dell State Capabilities (continued)

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 1865. Dell State Settings

Variable Name: DellStateSettings	
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 1866. 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 1867. 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.

Table 1867. Dell Status (continued)

critical(5)	The object's status is critical (failure).
nonRecoverable(6)	The object's status is nonrecoverable (dead).
absent(7)	The object's status is absent

Table 1868. Dell Status Redundancy

Variable Name: DellStatusRedundancy	
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 1869. Dell Status Probe

Variable Name: DellStatusProbe	
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 has the most significant byte of the information as the first byte. For example, the hex address 0x1029384754657687 is 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 is replaced with an asterisk (*) character.

SNMP Sample Output

This appendix contains the sample output from the Simple Network Management Protocol (SNMP) covering the first four groups of the Instrumentation management information base (MIB) 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'
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'
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'
```