Dell OpenManage
Server Administrator

SNMP Reference Guide

Notes and Cautions

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

A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

Information in this publication is subject to change without notice.
© 2003–2011 Dell Inc. All rights reserved.

Reproduction of these materials whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: Dell™, the DELL™ logo, PowerEdge™, PowerVault™, and OpenManage™ are trademarks of Dell Inc. Microsoft® and Windows® are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Intel®, Itanium®, Pentium®, Atom®, and Celeron® are registered trademarks, and MMX™, Xeon™, and Core™ are trademarks of Intel Corporation in the United States and/or other countries. VESA® is a registered trademark of the Video Electronics Standards Association. AMD™, AMD Athlon™, AMD Opteron™, AMD Sempron™, AMD Turion™, AMD Phenom™, and AMD Duron™ are trademarks of Advanced Micro Devices, Inc. VIA C7™ and VIA Eden™ are either trademarks or registered trademarks of VIA Technology, Inc. Crusoe™ and Efficeon™ are trademarks of Transmeta Corporation in the USA and other countries.

Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

Contents

1 Introduction 15

Supported SNMP Versions **15**

Introduction to the SNMP Reference Guide **16**

Server Administrator Instrumentation MIB 17

Server Administrator Remote Access MIB 20

Server Administrator Baseboard Management Controller, ASF MIB 20

Server Administrator Field Replaceable Unit MIB 20

Server Administrator Storage Management MIB 21

Server Administrator Change Management MIB 22

Dell Remote Access Controller Out-of-Band MIB 23

How This Guide Defines Technical Terms 23

SNMP Basic Terminology 24

Frequently Used Terms in Variable Names 27

Tables 28

Section Organization 31

Other Documents You May Need 32

Introduction to the Server Administrator SNMP Subagent **32**

SNMP Management Information Base Object Identifiers 34

SNMP Security 35

Management Actions 36

SNMP Traps 36

Updates For Dell OpenManage Server Administrator Version 6.5 39

2 What's New in This Release 39

Device Group **40**

Device Tables 40

Network Device Table 40

Device Group Variable Values **41**

Memory Group **41**

Physical Memory Tables 41

Physical Memory Configuration Table 41

Memory Group Variable Values **42**

Storage Management Group **44**

Physical Devices Group 44

Controller Table 44

Enclosure Table 45

Array Disk Table 46

3 Instrumentation MIB Version Group 47

Management Information Base Major Version Number **47**

Management Information Base Minor Version Number **48**

Management Information Base Maintenance Version Number **48**

4 Systems Management Software Group . . 49

Systems Management Software **49**

Systems Management Software Variable Values . . . **53**

5 System State Group 55

System State Group Table **55**

System State Table 55

System State Table 57

6 Chassis Information Group 77

Chassis Information Group Tables **77**

Chassis Information Table 77

UUID Table 90

POST Log Table 92

Event Log Table 94

System BIOS Table 97

Firmware Table 104

Intrusion Table 107

Baseboard Table 109

Chassis Information Group Variable Values **114**

7 Operating System Group 129

Operating System Group Table **129**

Operating System Table 129

Operating System Memory Table 131

8 System Resource Group 135

System Resource Group Tables **135**

System Resource Map Table 135

System Resource Owner Table 137

System Resource Input/Output (I/O) Port Table . . 140

System Resource Memory Table 143

System Resource Interrupt Table 146

System Resource Direct Memory Access (DMA) Table 149

System Resource Group Variable Values 152

9 Power Group 157

Power Group Tables 157

Power Unit Table 157
Power Supply Table 160
Voltage Probe Table 164
Amperage Probe Table 169
AC Power Switch Table 175
AC Power Cord Table 177
Battery Table 180
Power Usage Table 182
Power Profile Table 188

Power Group Variable Values 191

10 Thermal Group 205

Thermal Group Tables 205

Cooling Unit Table 205
Cooling Device Table 208
Temperature Probe Table 213

Thermal Group Variable Values 219

11 User Security Group 223

User Security Group Table 223

User Security Table 223

12 Remote Flash BIOS Group 227

Remote Flash BIOS Group Table 227

Remote Flash BIOS Table 227

Remote Flash BIOS Variable Values 230

13 Port Group 233

Port Group Tables 233

Pointing Port Table 233

Keyboard Port Table 236

Processor Port Table 239

Memory Device Port Table 242

Monitor Port Table 245

Small Computer System Interface (SCSI) Port Table 248

Parallel Port Table 250

Serial Port Table 254

Universal Serial Bus (USB) Port Table 258

Port Group Variable Values 261

14 Device Group 267

Device Tables 267

Pointing Device Table 268

Keyboard Device Table 270

Processor Device Table 273

Processor Device Status Table 281

Cache Device Table 283

Memory Device Table 289

Memory Device Mapped Address Table 297

Generic Device Table 300

PCI Device Table 303

PCI Device Configuration Space Table 306
Network Device Table 309
Managed System Services Device Table 317
SD Card Unit Table 319
SD Card Device Table 322

Device Group Variable Values 326

15 Slot Group 355

System Slot Group Table 355
System Slot Table 355

System Slot Variable Values 359

16 Memory Group 369

Physical Memory Tables 369
Physical Memory Array Table 369
Physical Memory Array Mapped Table 374
Physical Memory Configuration Table 377
Physical Memory Logging Table 379
Redundant Memory Unit Table 381
Physical Memory Card Table 384

Memory Group Variable Values 387

17 BIOS Setup Control Group 393

BIOS Group Tables 393
BIOS Setup Control Table 393
SCSI Control Table 404
Parallel Port Control Table 406
Serial Port Control Table 408
USB Control Table 410
IDE Control Table 412

Diskette Control Table 414
Network Interface Control Table 416

BIOS Group Variable Values 419

18 Local Response Agent Group 429

LRA Group Tables 429
LRA Global Settings 429
LRA Global Settings Table 430
LRA Action Table 432

Local Response Agent Variable Values 434

19 Cost of Ownership Group 437

Cost of Ownership Group Tables 437
Cost of Ownership Table 437
COO Service Contract Table 448
COO Cost Event Log Table 450
COO Warranty Table 452
COO Lease Information Table 454
COO Schedule Number Table 457
COO Options Table 458
COO Maintenance Table 460
COO Repair Table 462
COO Support Information Table 464
COO Trouble Ticket Table 466

Cost of Ownership Variable Values 468

20 Remote Access Group 471

DRAC 4 and DRAC 5 471
Remote Access Table 471

DRAC III **477**
Remote Access Table 478
Remote User Administration Table 487
Remote SNMP Trap Table 495
Remote Dial-Up Table 500
Remote User Dial-In Configuration Table 504
Remote Dial-Out Table 507
Remote Access Variable Values **510**

21 Cluster Group 527

Cluster Group **527**
Cluster Table 527
Cluster Group Variable Values **530**

22 Baseboard Management Controller Group 531

Baseboard Management Controller Group Tables . . . **531**
Baseboard Management Controller Table 531
Baseboard Management Controller Serial Interface Table 535
Baseboard Management Controller LAN Interface Table 539
Baseboard Management Controller Group Variable Values **543**

23 Field Replaceable Unit Group 547

Field Replaceable Unit Group Tables **547**
Field Replaceable Unit Table 547
Field Replaceable Unit Group Variable Values **551**

24 Storage Management Group 553

Storage Management Group **553**

Storage Management Information Group **555**

Global Data Group **556**

Physical Devices Group **562**

Controller Table 563
Channel Table 583
Enclosure Table 588
Array Disk Table 599
Array Disk Enclosure Connection Table 613
Array Disk Channel Connection Table 615
Fan Table 618
Fan Connection Table 624
Power Supply Table 626
Power Supply Connection Table 631
Temperature Probe Table 633
Temperature Probe Connection Table 638
Enclosure Management Module Table 640
Enclosure Management Module Connection Table 645
Battery Table 648
Battery Connection Table 654

Logical Devices Group **656**

Virtual Disk Table 656
Array Disk Logical Connection Table 666

Storage Management Event Group **669**

25 Change Management Group 673

Inventory Group **673**

Device Group **674**

Device Group Table 674

Application Group **676**
Application Group Table 677
Operating System Group **679**
Inventory Collector Product Information **680**

26 Dell Remote Access Controller Out-of-Band Group 683

Product Information **683**
Chassis Status **687**
DRsCMCChangeTime 696
Chassis Power **697**
CMC Power Information **698**
CMC PSU Information **702**
Chassis Alerts **704**
Legacy Alerting **706**

27 Traps 709

Trap Variables **710**
Understanding the Trap Description **711**
Understanding Trap Severity **716**
Instrumentation Traps **716**
Miscellaneous Traps 716
Temperature Probe Traps 718
Cooling Device Traps 721
Voltage Probe Traps 723
Amperage Probe Traps 725
Chassis Intrusion Traps 728
Redundancy Unit Traps 729

Power Supply Traps 731
Memory Device Traps 733
Fan Enclosure Traps 734
AC Power Cord Traps 735
Hardware Log Traps 736
Processor Device Status Traps 737
Pluggable Device Traps 739
Battery Traps 740
SD Card Device Traps 742

RAC Traps **743**

BMC Traps **749**

28 Storage Management Alert Reference 755

Alert Monitoring and Logging **755**

Viewing Alerts **756**

Alert Severity Levels **756**

SNMP Support for Storage Management Alerts **757**

SNMP Trap Forwarding 757
SNMP Trap Definitions 758
SNMP Trap Variables 758

Viewing SNMP Traps **759**

Alert Descriptions and Corrective Actions **759**

A Standard Data Type Definitions 761

Common Data Types **761**

Variables with Data Types of State Capabilities and State Capabilities Unique **762**

Dell Status Data Types **764**

Dell Date **765**

Full Dates 766

B SNMP Sample Output 767

Index 773

1

Introduction

This reference guide provides information about the Simple Network Management Protocol (SNMP) Management Information Base (MIB) which is applicable for Dell OpenManage Version 6.4.

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 the SNMP Reference Guide" on page 16, 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" on page 32, is a more technical introduction to the management information base (MIB) that underlies Server Administrator services.

Supported SNMP Versions

Operating System	Supported SNMP version
Windows	SNMP v1 and v2c
Linux	SNMP v1, v2c, and v3

Introduction to the SNMP Reference Guide

This reference guide provides a formatted version of the following Management Information Base that are released with the current version of Dell OpenManage.

Management Information Base (MIB) Name	Management Information Base (MIB) Filename
Server Administrator Instrumentation MIB	10892.mib
Remote Access MIB	dcs3rmt.mib
Server Administrator Field Replaceable Unit MIB	dcs3fru.mib
Server Administrator Storage Management MIB	dcstorag.mib
Server Administrator Change Management MIB	dellcm.mib
Dell RAC Out-of-Band MIB	dellRAC.mib

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

General Content

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

Table 1-1. General Content Sections in This Guide

Section	Topics	MIB Group Number
1	Introduction to SNMP basics and to the MIBs that support Server Administrator services	NA
26	Traps — describes in-band traps defined in the Server Administrator Instrumentation MIB and out-of-band traps sent by the Remote Access Controller (RAC) and Baseboard Management Controller (BMC).	5000

Table 1-1. General Content Sections in This Guide *(continued)*

Section	Topics	MIB Group Number
Appendix A	Standard Data Type Definitions — defines standard data types used in this reference guide.	NA
Appendix B	SNMP Sample Output — provides a sample SNMP output.	NA

Server Administrator Instrumentation MIB

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

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

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

The Server Administrator Instrumentation MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table 1-2 describes each Server Administrator Instrumentation MIB group and lists the MIB group number assigned to the MIB group.
The Server Administrator Instrumentation MIB groups are identified by the SNMP OID *1.3.6.1.4.1.674.10892.1.<MIB group number>*, where *<MIB group number>* is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

Table 1-2. Server Administrator Instrumentation MIB Sections in This Guide

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

Table 1-2. Server Administrator Instrumentation MIB Sections in This Guide

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

Server Administrator Remote Access MIB

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

The Server Administrator Remote Access MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table 1-3 describes each Server Administrator Remote Access MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Remote Access MIB groups are identified by the SNMP OID *1.3.6.1.4.1.674.10892.1.<MIB group number>* where *<MIB group number>* is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

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

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

Server Administrator Baseboard Management Controller, ASF MIB

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

Server Administrator Field Replaceable Unit MIB

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

The Server Administrator Field Replaceable Unit MIB structures its MIB objects into groups of scalar objects or MIB tables that provide related information. Table 1-4 describes each Server Administrator Field Replaceable Unit MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Field Replaceable Unit MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.10892.1.<*MIB group number*> where <*MIB group number*> is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

Table 1-4. Server Administrator Field Replaceable Unit MIB Sections in This Guide

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

Server Administrator Storage Management MIB

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

Table 1-5 describes each Server Administrator Storage Management MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Storage Management MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.<*MIB group number*> where <*MIB group number*> is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

Table 1-5. Server Administrator Storage Management MIB Sections in This Guide

Section	Topics	MIB Group Numbers
23	Storage Management Group — consists of definitions for the following MIB groups: • Storage Management Group • Storage Management Information Group • Global Data Group • Physical Devices Group • Logical Devices Group • Storage Management Event Group	10893
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 Change Management MIB

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

Table 1-6 describes each Server Administrator Change Management MIB group and lists the MIB group number assigned to the MIB group. The Server Administrator Change Management MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.<*MIB group number*> where <*MIB group number*> is the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

Table 1-6. Server Administrator Change Management MIB Sections in This Guide

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

Dell Remote Access Controller Out-of-Band MIB

The Dell Remote Access Controller Out-of-Band MIB (filename **dellRAC.mib**) provides management data that allows you to monitor the Chassis Management Controller. This MIB also contains information on RAC legacy alerting. Table 1-7 describes each Dell RAC Out-of-Band group and lists the MIB group number assigned to the MIB group. See the relevant section for more information about the MIB objects defined in a MIB group.

Table 1-7. Dell RAC Out-of-Band MIB

Section	Topics	MIB Group Number
25	The Dell RAC Out-of-Band MIB consists of information for the following groups: • "Product Information" on page 683 • "Chassis Status" on page 687 • "Chassis Power" on page 697 • "CMC Power Information" on page 698 • "CMC PSU Information" on page 702 • "Chassis Alerts" on page 704 • "Legacy Alerting" on page 706	2

How This Guide Defines Technical Terms

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

Table 1-8. Where to Find Definitions for Technical Terms

Type of Definition	See
Basic SNMP vocabulary.	"Introduction" on page 15
MIB-group-specific variable values. MIB-group-specific MIB variables contain links to the tables that define these values in the last section of the section in which these variables are used.	Sections 3, 5, 7, 8, 9, and 11 through 18.
Systems management terms, acronyms, and commonly managed components referred to in this reference guide.	*Glossary* available on the Dell Support website at **support.dell.com/manuals**.

Table 1-8. Where to Find Definitions for Technical Terms *(continued)*

Type of Definition	See
Server Administrator-standard data types that specify variable values in this reference guide.	Appendix A, "Standard Data Type Definitions" on page 761.

SNMP Basic Terminology

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

SNMP Master Agent

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

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

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

SNMP Extension Agent

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

Managed Object

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

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

MIB

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

Variable

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

One-Based Index

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

Zero-Based Index

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

Fields

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

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

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

The following variable names illustrate these conventions:

- temperatureProbeLowerCriticalThreshold
- coolingUnitIndex
- pCIDeviceSpeed

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

For example, the OID for the temperature probe managed object table is 700.20 and the variable for the location of the temperature probe (temperatureProbeLocationName) has an OID of 700.20.1.8. The full OIDs for these items are 1.3.6.1.4.1.674.10892.1.700.20 for the temperatureProbeTable and 1.3.6.1.4.1.674.10892.1.700.20.1.8 for the temperatureProbeLocation. For more information about the structure of OIDs, see "SNMP Management Information Base Object Identifiers" on page 34.

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

Syntax defines the data type in which the values of the variable must be expressed. Most variables in this reference guide use standard data types such as string or boolean. All data types that are unique to server administrator variables are defined at the end of the section in which they occur. Standard data types are defined in "Standard Data Type Definitions" on page 761.

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

Frequently Used Terms in Variable Names

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

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

Example SNMP Table

UUID Table

These objects comprise the Server Administrator definitions for the UUID.

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

UUID Table Entry

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

UUID Chassis Index

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

UUID Index

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

UUID Type

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

UUID Value

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

Reference Guide Content Tables

NOTE: Variable values are defined for any variable that is Server Administrator-specific. Industry-standard variable definitions are documented in "Standard Data Type Definitions" on page 761.

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

Table 1-9. Example Variable Type Definition Table

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

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

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 on the Dell Support website at **support.dell.com/manuals**. On the **Manuals** page, click **Software→ Systems Management**. Click the appropriate product link on the right-side to access the documents.

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

Introduction to the Server Administrator SNMP Subagent

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

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

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

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

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

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

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

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

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

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

SNMP 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:

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. Some vendors have chosen not to support SNMP Set operations for this reason. Server Administrator is able to support SNMP Set operations because its SNMP agents implement a hash/digest mechanism to prevent unauthorized SNMP Set operations. One limitation of this practice is that only server administrator-developed SNMP management applications have the capability to support the hash/digest mechanism.

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

NOTE: Server Administrator provides support to enable or disable SNMP Set operations. For more information on enabling or disabling SNMP Set operations in Server Administrator, see the *Dell OpenManage Server Administrator User's Guide* or the *Dell OpenManage Server Administrator Command Line Interface User's Guide* on the Dell Support website at **support.dell.com/manuals**.

Management Actions

Management actions can be performed using the SNMP Set command. These actions can consist of configuring a phone number for the system's owner, rebooting a system, or changing the asset tag of the system. See the previous section, "SNMP Security" on page 35, for limitations on Set operations.

SNMP Traps

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

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

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

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

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

For a list of traps supported by the server administrator SNMP subagent, see "Traps" on page 709.

2

Updates For Dell OpenManage Server Administrator Version 6.5

This section contains information added or updated for the current release.

NOTE: OpenManage Storage Management updates for Version 6.5 are also listed in this section.

What's New in This Release

New Features Added

- Added an attribute (Network Device Capability) to the Network Device Table in the Device Group.
- Added enumeration values for the Network Device Capability attribute in the Device Group Variable Values section.
- Added attributes to the Physical Memory Configuration Table in the Memory Group.
- Added enumeration values for the Physical Memory Configuration Redundant Capabilities and Physical Memory Configuration Redundant Settings attributes in the Memory Group Variable Values section.
- Added an attribute to the Enclosure Table section of the Storage Management Group.
- Updated the Syntax row of specific MIB tables in the Controller and Array Disk Tables sections of the Storage Management Group.

For a list of Platforms, Operating Systems, Browsers support added and deprecated, refer to the *Dell OpenManage Server Administrator Version 6.5 User's Guide* and *Dell Systems Software Support Matrix Version 6.5* at **support.dell.com/manuals**.

Device Group

Device Tables

The following MIB table in the Device Group is updated for the current release:

- Network Device Table

For information about the other Device Group MIB tables, see "Device Group" on page 267.

Network Device Table

This section provides information about the updates done to the Network Device Table for the current release. For all other information about the Network Device Table, see "Network Device Table" on page 309.

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 a network device. If this value is notSupported(0), the networkDeviceTOECapabilityFlags, networkDeviceTOEEnabled, networkDeviceRDMACapabilityFlags, networkDeviceRDMAEnabled, networkDeviceiSCSICapabilityFlags and networkDeviceiSCSIEnabled attributes should be used to determine the network device capabilities. If the supported(1) bit is on, this attribute should be used to determine the network device capabilities, and the attributes mentioned above should not be used. **NOTE:** For a network device on Converged Network Adapter (CNA), this attribute provides capability information for the CNA and not for the network device.
Syntax	DellNetworkDeviceCapabilities
Access	Read-only

Device Group Variable Values

The following attribute has enumeration values added for this release:

Table 2-1. 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.
`supported(1)`	Device supports reporting capabilities.
`toe(2)`	Device has TOE capability.
`iscsiOffload(4)`	Device has iSCSI Offload capability.
`fcoeOffload(8)`	Device has FCoE Offload capability.

For information about the other Device Group Variable Values tables, see "Device Group Variable Values" on page 326.

Memory Group

Physical Memory Tables

The following MIB table in the Memory Group is updated for the current release:

- Physical Memory Configuration Table

For information about the other Memory Group MIB tables, see "Memory Group" on page 369.

Physical Memory Configuration Table

This section provides information about the updates done to the Physical Memory Configuration Table for the current release. For all other information about the Physical Memory Configuration Table, see "Physical Memory Configuration Table" on page 377.

Physical Memory Configuration Memory Operating Mode 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

Physical Memory Configuration Memory Operating Mode 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

Memory Group Variable Values

The following attributes have enumeration values added for this release:

- Physical Memory Configuration Memory Operating Mode Capabilities
- Physical Memory Configuration Memory Operating Mode Settings
- Physical Memory Configuration Redundant Capabilities
- Physical Memory Configuration Redundant Settings

For information about the other Memory Group Variable Values tables, see "Memory Group Variable Values" on page 387.

Table 2-2. Physical Memory Configuration Memory Operating Mode Capabilities

Variable Name: DellPhysicalMemoryConfigMOMCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	There are no memory operating mode capabilities.
unknownCapabilities(1)	Memory operating mode capabilities are unknown.
momOptimizerCapable(2)	Optimizer memory operating feature is supported.
momSpareCapable(4)	Spare memory operating feature is supported.
momMirrorCapable(8)	Mirror memory operating feature is supported.
momAdvancedECCCapable(16)	Advanced ECC memory operating feature is supported.

Table 2-3. Physical Memory Configuration Memory Operating Mode Settings

Variable Name: DellPhysicalMemoryConfigMOMSettings **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	There are no memory operating mode settings.
unknown(1)	Memory operating mode settings are unknown.
The following redundant settings are mutually exclusive:	
momOptimizerEnabled(2)	Optimizer memory operating feature is enabled.
momSpareEnabled(4)	Spare memory operating feature is enabled.
momMirrorEnabled(8)	Mirror memory operating feature is enabled.
momAdvancedECCEnabled(16)	Advanced ECC memory operating feature is enabled.

Table 2-4. Physical Memory Configuration Redundant Capabilities

Variable Name: `DellPhysicalMemoryConfigRedundantCapabilities`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`dddcCapable(16)`	DDDC redundancy is supported.

Table 2-5. Physical Memory Configuration Redundant Settings

Variable Name: `DellPhysicalMemoryConfigRedundantSettings`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`dddcEnabled(16)`	DDDC redundancy is enabled.

Storage Management Group

Physical Devices Group

The following MIB tables in the Physical Devices Group are updated for the current release:

- **Controller Table**—describes available properties for each controller 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.

Controller Table

This section provides information about the updates done to the Controller Table in the current release. For all other information about the Controller Table, see "Controller Table" on page 563.

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	DisplayString
Access	Read-only

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	DisplayString
Access	Read-only

Enclosure Table

This section provides information about the updates done to the Enclosure Table in the current release. For all other information about the Enclosure Table, see "Enclosure Table" on page 588.

Enclosure Express Service Code

Name	enclosureExpressServiceCode
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.34
Description	Is base10 converted numerical value of service tag.
Syntax	DisplayString
Access	Read-only

Array Disk Table

This section provides information about the updates done to the Array Disk Table in the current release. For all other information about the Array Disk Table, see "Array Disk Table" on page 599 section.

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	DisplayString
Access	Read-only

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	DisplayString
Access	Read-only

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	DisplayString
Access	Read-only

3

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

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

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

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

4

Systems Management Software Group

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

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

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

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.

Systems Management Software Name

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

Systems Management Software Version Number Name

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

Systems Management Software Build Number

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

Systems Management Software Description Name

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

Systems Management Software Supported Protocol

Name	`systemManagementSoftwareSupportedProtocol`
Object ID	1.3.6.1.4.1.674.10892.1.100.5
Description	Defines the systems management standards (SNMP or CIM) supported by the systems management software.
Syntax	SMSSupportedTypes (See Table 4-1)
Access	Read-only

Systems Management Software Preferred Protocol

Name	`systemManagementSoftwarePreferredProtocol`
Object ID	1.3.6.1.4.1.674.10892.1.100.6
Description	Defines the preferred systems management standard for the systems management software.
Syntax	SMSSupportedTypes (See Table 4-1)
Access	Read-only

Systems Management Software Update Level Name

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

Systems Management Software URL Name

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

Name	systemManagementSoftwareURLName
Access	Read-only

Systems Management Software Language Name

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

Systems Management Software Global Version Name

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

Systems Management Software Feature Flags

Name	systemManagementSoftwareFeatureFlags
Object ID	1.3.6.1.4.1.674.10892.1.100.11
Description	Defines the features of the systems management software.
Syntax	SMSFeatureFlags (See Table 4-2)
Access	Read-only

Systems Management Software SNMP Agent Feature Flags

Name	systemManagementSoftwareSNMPAgentFeatureFlags
Object ID	1.3.6.1.4.1.674.10892.1.100.12
Description	Defines the features of the SNMP agent software provided by the operating system.

Name	systemManagementSoftwareSNMPAgentFeatureFlags
Syntax	SMSSNMPAgentFeatureFlags (See Table 4-3)
Access	Read-only

Systems Management Software Manufacturer Name

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

Systems Management Software Variable Values

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

Table 4-1. Systems Management Software Supported Standards

Variable Name: SMSSupportedTypes

Data Type: Integer

Possible Data Values	Meaning of Data Value
supportsSNMP(1)	This system supports SNMP.
supportsDMI(2)	This system supports DMI.
supportsSNMPandDMI(3)	This system supports SNMP and DMI.
supportsCIMOM(4)	This system supports CIM.
supportsSNMPandCIMOM(5)	This system supports SNMP and CIM.

Table 4-2. Systems Management Software Feature Flags

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

Table 4-3. Systems Management Software SNMP Agent Feature Flags

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

5

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" on page 56, 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" on page 56 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:

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

System State Table Entry

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

System State Chassis Index

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

System State Global System Status

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

System State Chassis State

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

System State Chassis Status

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

System State Power Unit State Details

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

System State Power Unit Status Redundancy

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

System State Power Unit Status Details

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

System State Power Supply State Details

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

System State Power Supply Status Combined

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

System State Power Supply Status Details

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

System State Voltage State Details

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

System State Voltage Status Combined

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

System State Voltage Status Details

Name	`systemStateVoltageStatusDetails`
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.13
Description	Defines the status of all voltage probes in this chassis.
Syntax	Octet String (Size (1..128))
Access	Read-only

System State Amperage State Details

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

System State Amperage Status Combined

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

System State Amperage Status Details

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

System State Cooling Unit State Details

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

System State Cooling Unit Status Redundancy

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

System State Cooling Unit State Details

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

System State Cooling Device State Details

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

System State Cooling Device Status Combined

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

System State Cooling Device Status Details

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

System State Temperature State Details

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

System State Temperature Status Combined

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

System State Temperature Status Details

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

System State Memory Device State Details

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

System State Memory Device Status Combined

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

System State Memory Device Status Details

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

System State Chassis Intrusion State Details

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

System State Chassis Intrusion Status Combined

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

System State Chassis Intrusion Status Details

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

System State AC Power Switch State Details

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

System State AC Power Switch Status Redundancy

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

System State AC Power Switch Status Details

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

System State AC Power Cord State Details

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

System State AC Power Cord Status Combined

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

System State AC Power Cord Status Details

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

System State Redundant Memory Unit State Details

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

System State Redundant Memory Unit Status Redundancy

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

System State Redundant Memory Unit Status Details

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

System State Event Log Status

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

System State Power Unit Status Combined

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

System State Power Unit Status List

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

System State Cooling Unit Status Combined

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

System State Cooling Unit Status List

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

System State AC Power Switch Status Combined

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

System State AC Power Switch Status List

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

System State Redundant Memory Unit Status Combined

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

System State Redundant Memory Unit Status List

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

System State Processor Device Status Combined

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

System State Processor Device Status List

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

System State Battery Status Combined

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

System State Battery Status List

Name	systemStateBatteryStatusList
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.53

Name	systemStateBatteryStatusList
Description	Lists the status of each battery of this chassis. The results are returned as a binary octet string where each byte of the octet string represents the status of a battery. The first byte returned represents the status of the first battery, and so on. The bytes have the same definition type as DellStatus.
Syntax	Octet String (Size(1..128))
Access	Read-only

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

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 (Size(1..128))
Access	Read-only

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.

Name	systemStateSDCardDeviceStatusCombined
Syntax	DellStatus
Access	Read-only

System State SD Card Device Status List

Name	systemStateSDCardDeviceStatusList
Object ID	1.3.6.1.4.1.674.10892.1.200.10.1.57
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 (Size(1..128))
Access	Read-only

6

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" on page 77
- "UUID Table" on page 90
- "POST Log Table" on page 92
- "Event Log Table" on page 94
- "System BIOS Table" on page 97
- "Firmware Table" on page 104
- "Intrusion Table" on page 107
- "Baseboard Table" on page 109

Chassis Information Table

The following object sets up the Chassis Information Table.

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

Chassis Information Table Entry

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

Chassis Index Chassis Information

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

Chassis State Capabilities

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

Chassis State Settings

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

Chassis Status

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

Chassis Parent Index Reference

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

Chassis Type

Name	chassisType
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.6
Description	Defines the chassis type.
Syntax	DellChassisType (See Table 6-2)
Access	Read-only

Chassis Name

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

Chassis Manufacturer Name

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

Chassis Model Name

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

Chassis Asset Tag Name

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

Chassis Service Tag Name

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

Chassis ID

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

Chassis ID Extension

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

Chassis System Class

Name	chassisSystemClass
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.14
Description	Defines the chassis class of this chassis.
Syntax	DellChassisSystemClass (See Table 6-21)
Access	Read-only

Chassis System Name

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

Chassis System Boot Date Name

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

Chassis System Date Name

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

Chassis System Location Name

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

Chassis System Primary User Name

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

Chassis System User Phone Number Name

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

Chassis Connection Status Unique

Name	chassisConnectionStatusUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.21
Description	Defines the status of the connection from the system chassis to an expansion chassis.
Syntax	DellConnectionStatus (See Table 6-3)
Access	Read-only

Chassis Fan Control Capabilities Unique

Name	chassisFanControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.22
Description	Defines the capabilities of the fan control function in this chassis.
Syntax	DellFanControlCapabilities (See Table 6-4)
Access	Read-only

Chassis Fan Control Settings Unique

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

Chassis LED Control Capabilities Unique

Name	chassisLEDControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.24
Description	Defines the capabilities of the LED control function in the chassis.
Syntax	DellLEDControlCapabilities (See Table 6-5)
Access	Read-only

Chassis LED Control Settings Unique

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

Chassis Hard-Drive (HD) Fault Clear Control Capabilities

Name	chassisHDFaultClearControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.26
Description	Specifies whether the chassis allows reset of the chassis hard-drive fault LED.
Syntax	DellHDFaultLEDControlCapabilities (See Table 6-7)
Access	Read-only

Chassis HD Fault Clear Control Settings

Name	chassisHDFaultClearControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.27
Description	Allows reset of the chassis hard-drive fault LED.
Syntax	DellHDFaultLEDControlSettings (See Table 6-8)
Access	Read-write

Chassis Identify Flash Control Capabilities

Name	`chassisIdentifyFlashControlCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.28
Description	Specifies whether the chassis front-panel LED can be set to flash.
Syntax	DellChassisIdentifyControlCapabilities (See Table 6-9)
Access	Read-only

Chassis Identify Flash Control Settings

Name	`chassisIdentifyFlashControlSettings`
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.29
Description	Causes the chassis front-panel LED to flash.
Syntax	DellChassisIdentifyControlSettings (See Table 6-10)
Access	Read-write

Chassis Lock Present

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

Chassis Host Control Capabilities Unique

Name	`chassishostControlCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.31
Description	Defines the capabilities of the host control object.
Syntax	DellHostControlCapabilities (See Table 6-11)
Access	Read-only

Chassis Host Control Settings Unique

Name	chassishostControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.32
Description	Defines the current settings of the host control object.
Syntax	DellHostControlSettings (See Table 6-12)
Access	Read-write

Chassis Watchdog Control Capabilities Unique

Name	chassiswatchDogControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.33
Description	Defines the capabilities of the watchdog timer object.
Syntax	DellWatchDogControlCapabilities (See Table 6-13)
Access	Read-only

Chassis Watchdog Control Settings Unique

Name	chassiswatchDogControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.34
Description	Defines the current settings and the values allowed to be set for the watchdog timer object.
Syntax	DellWatchDogControlCapabilities (See Table 6-13)
Access	Read-write

Chassis Watchdog Control Expiry Time Capabilities Unique

Name	chassiswatchDogControlExpiryTimeCapabilities Unique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.35
Description	Defines the capabilities of the watchdog expiry timer object.
Syntax	DellWatchDogTimerCapabilities (See Table 6-13)
Access	Read-only

Chassis Watchdog Control Expiry Time

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

Chassis Allow Set Commands From SNMP

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

Chassis Power Button Control Capabilities Unique

Name	chassisPowerButtonControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.38
Description	Defines the capabilities of the power button control function.
Syntax	DellPowerButtonControlCapabilities (See Table 6-16)
Access	Read-only

Chassis Power Button Control Settings Unique

Name	chassisPowerButtonControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.39
Description	Defines the current reading and allows setting of the power button control hardware.

Name	chassisPowerButtonControlSettingsUnique
Syntax	DellPowerButtonControlSettings (See Table 6-17)
Access	Read-write

Chassis Reseller Name

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

Chassis Reseller Contact Information Name

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

Chassis Reseller Product Name

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

Chassis Reseller System ID

Name	chassisResellerSystemID
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.43
Description	Defines the chassis reseller system ID.

Name	chassisResellerSystemID
Syntax	DellUnsigned16BitRange
Access	Read-only

Chassis NMI Button Control Capabilities Unique

Name	chassisNMIButtonControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.44
Description	Defines the capabilities of the NMI button control function.
Syntax	DellNMIButtonControlCapabilities (See Table 6-18)
Access	Read-only

Chassis NMI Button Control Settings Unique

Name	chassisNMIButtonControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.300.10.1.45
Description	Defines the current reading and allows setting of the NMI button control hardware.
Syntax	DellNMIButtonControlSettings (See Table 6-19)
Access	Read-write

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 Table 6-20)
Access	Read-only

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

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

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

UUID Table

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

Name	uUIDTable
Object ID	1.3.6.1.4.1.674.10892.1.300.20
Description	Defines the UUID table.
Syntax	SEQUENCE OF UUIDTableEntry

Name	uUIDTable
Access	Not accessible

UUID Table Entry

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

UUID Chassis Index

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

UUID Index

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

UUID Type

Name	uUIDType
Object ID	1.3.6.1.4.1.674.10892.1.300.20.1.3
Description	Defines the type of the UUID for this chassis.

Name	uUIDType
Syntax	DellUUIDType
Access	Read-only

UUID Value

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

POST Log Table

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

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

POST Log Table Entry

Name	postLogTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.300.30.1
Description	Defines the POST Log Table entry.
Syntax	PostLogTableEntry

Name	`postLogTableEntry`
Access	Not accessible
Index	postLogchassisIndex, postLogRecordIndex

POST Log Chassis Index

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

POST Log Record Index

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

POST Log State Capabilities Unique

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

POST Log State Settings Unique

Name	`postLogStateSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.300.30.1.4
Description	Defines the state of the object that is writing the POST log.

Name	postLogStateSettingsUnique
Syntax	DellStateSettingsLogUnique
Access	Read-write

POST Log Record

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

POST Log Format

Name	postLogFormat
Object ID	1.3.6.1.4.1.674.10892.1.300.30.1.5
Description	Defines format of the POST log.
Syntax	DellLogFormat (See Table 6-1)
Access	Read-only

Event Log Table

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

Event Log Table Entry

Name	eventLogTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.300.40.1

Name	`eventLogTableEntry`
Description	Defines the event Log Table Entry.
Syntax	EventLogTableEntry
Access	Not accessible
Index	eventLogchassisIndex,eventLogRecordIndex

Event Log Chassis Index

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

Event Log Record Index

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

Event Log State Capabilities Unique

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

Event Log State Settings Unique

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

Event Log Record

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

Event Log Format

Name	`eventLogFormat`
Object ID	1.3.6.1.4.1.674.10892.1.300.40.1.6
Description	Defines the format of the event log.
Syntax	DellLogFormat (See Table 6-1)
Access	Read-only

Event Log Severity Status

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

Event Log Date Name

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

System BIOS Table

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

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

System BIOS Table Entry

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

System BIOS Chassis Index

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

Name	systemBIOSchassisIndex
Access	Read-only

System BIOS Index

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

System BIOS State Capabilities

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

System BIOS State Settings

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

System BIOS Status

Name	systemBIOSStatus
Object ID	1.3.6.1.4.1.674.10892.1.300.50.1.5
Description	Defines the status of the system BIOS of this object.
Syntax	DellStatus

Name	systemBIOSStatus
Access	Read-only

System BIOS Size

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

System BIOS Release Date Name

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

System BIOS Version Name

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

System BIOS Starting Address

Name	systemBIOSStartingAddress
Object ID	1.3.6.1.4.1.674.10892.1.300.50.1.9

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

System BIOS Ending Address

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

System BIOS Manufacturer Name

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

System BIOS Characteristics

Name	systemBIOSCharacteristics
Object ID	1.3.6.1.4.1.674.10892.1.300.50.1.12

Name `systemBIOSCharacteristics`

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

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

Bit Position	Meaning if Set
Bit 0	Reserved
Bit 1	Reserved
Bit 2	Unknown
Bit 3	BIOS Characteristics Not Supported
Bit 4	ISA is supported
Bit 5	MCA is supported
Bit 6	EISA is supported
Bit 7	PCI is supported
Bit 8	PC Card (PCMCIA) is supported
Bit 9	Plug and Play is supported
Bit 10	APM is supported
Bit 11	BIOS is Upgradeable (Flash)
Bit 12	BIOS shadowing is allowed
Bit 13	VL-VESA is supported
Bit 14	ESCD support is available
Bit 15	Boot from CD is supported

Name `systemBIOSCharacteristics`

Description Bit Position Meaning if Set
---------- ----------

Bit 16Selectable Boot is supported
Bit 17BIOS ROM is socketed
Bit 18Boot From PC Card (PCMCIA) is supported
Bit 19EDD (Enhanced Disk Drive) Specification is supported
Bit 20Int 13h - Japanese Floppy for NEC 9800 1.2mb (3.5 in, 1k Bytes/Sector, 360 RPM) is supported
Bit 21Int 13h - Japanese Floppy for Toshiba 1.2mb (3.5 in, 360 RPM) is supported
Bit 22Int 13h - 5.25 in / 360 KB Floppy Services are supported
Bit 23Int 13h - 5.25 in /1.2MB Floppy Services are supported
Bit 24Int 13h - 3.5 in / 720 KB Floppy Services are supported
Bit 25Int 13h - 3.5 in / 2.88 MB Floppy Services are supported
Bit 26Int 5h, Print Screen Service is supported
Bit 27Int 9h, 8042 Keyboard services are supported
Bit 28Int 14h, Serial Services are supported
Bit 29Int 17h, Printer Services are supported
Bit 30Int 10h, CGA/Mono Video Services are supported
Bit 31NEC PC-98
Bit 32-47Reserved
Bit 48Built-in NIC supports Magic Packet
Bit 49System supports Wake-on-LAN
Bit 50System supports chassis intrusion
Bit 51Built-in NIC supports pattern-matching
Bit 52System BIOS supports a 7-character service tag
Bit 53-63Reserved

Syntax DellUnsigned64BitRange

System BIOS Characteristics Ext 1

Name systemBIOSCharacteristicsExt1

Object ID 1.3.6.1.4.1.674.10892.1.300.50.1.13

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

Bit Position Meaning if Set

Bit 0ACPI supported
Bit 1USB Legacy is supported
Bit 2AGP is supported
Bit 3I2O boot is supported
Bit 4LS-120 boot is supported
Bit 5ATAPI ZIP Drive boot is supported
Bit 61394 boot is supported
Bit 7Smart Battery supported

Syntax DellUnsigned8BitRange

Access Read-only

System BIOS Characteristics Ext 2

Name systemBIOSCharacteristicsExt2

Object ID 1.3.6.1.4.1.674.10892.1.300.50.1.14

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

Bit Position Meaning if Set

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

Syntax DellUnsigned8BitRange

Access Read-only

Firmware Table

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

Firmware Table Entry

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

Firmware Chassis Index

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

Firmware Index

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

Firmware State Capabilities

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

Firmware State Capabilities

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

Firmware Status

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

Firmware Size

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

Firmware Type

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

Firmware Type Name

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

Firmware Update Capabilities

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

Firmware Date Name

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

Firmware Version Name

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

Intrusion Table

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

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

Intrusion Table Entry

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

Intrusion Chassis Index

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

Intrusion Index

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

Intrusion State Capabilities

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

Intrusion State Settings

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

Intrusion Status

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

Intrusion Reading

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

Intrusion Type

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

Intrusion Location Name

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

Baseboard Table

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

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

Baseboard Table Entry

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

Baseboard Chassis Index

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

Baseboard Index

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

Baseboard State Capabilities

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

Baseboard State Settings

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

Baseboard Status

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

Baseboard Feature Flags

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

Baseboard Type

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

Baseboard Type Name

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

Baseboard Location Name

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

Baseboard Manufacturer Name

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

Baseboard Product Name

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

Baseboard Version Name

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

Baseboard Service Tag Name

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

Baseboard Piece Part ID (PPID) Name

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

Baseboard Asset Tag Name

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

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 6-1. Log Format

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

Table 6-2. 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 6-2. Chassis Type *(continued)*

Variable Name: `DellChassisType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 6-3. Connection Status

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

Table 6-4. Fan Control Capabilities

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

Table 6-5. Front-Panel LED Control Capabilities

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

Table 6-6. Front-Panel LED Control Settings

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

Table 6-7. Hard-Drive Fault LED Control Capabilities

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

Table 6-8. Hard-Drive Fault LED Control Settings

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

Table 6-9. 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.

Table 6-9. Chassis Identification Control Capabilities *(continued)*

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

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 6-10. 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 6-11. Host Control Capabilities

Variable Name: `DellHostControlCapabilities`

NOTE: An operator can manually enable these actions using SNMP.

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`manualRebootCapable(1)`	The operator can reboot capable host.
`manualPowerOFFCapable(2)`	The operator can power off capable host.
`manualPowerCycleCapable(4)`	The operator can power-cycle capable host.
`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 6-12. Host Control Settings

Variable Name: `DellHostControlSettings`

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

Data Type: `Integer`

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

Table 6-13. 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.

Table 6-13. Watchdog Control Capabilities *(continued)*

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
`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 6-14. Watchdog Control Settings

Variable Name: `DellWatchControlSettings`

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

Data Type: `Integer`

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

Table 6-15. Watchdog Timer Capabilities

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

Table 6-16. Power Button Control Capabilities

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

Table 6-17. Power Button Control Settings

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

Table 6-18. 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 6-19. 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 6-20. 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**
none(0)	No properties.
energySmart(1)	The system is an Energy Smart System.

Table 6-21. 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.
`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 6-22. 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.

Table 6-22. Firmware Type *(continued)*

Variable Name: `DellFirmwareType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 6-23. 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 6-24. 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.

Table 6-24. Baseboard Feature Flags

Variable Name: `DellBaseBoardFeatureFlags`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`boardRequiresDaughterBoard (2)`	This baseboard requires at least one daughter board or auxiliary card.
`boardIsRemovable(4)`	This baseboard is removable.
`boardIsReplaceable(8)`	This baseboard is replaceable.
`boardIsHotSwappable(16)`	This baseboard is hot swappable.

7

Operating System Group

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

Operating System Group Table

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

- "Operating System Table" on page 129
- "Operating System Memory Table" on page 131

Operating System Table

The following object sets up the Operating System Table.

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

Operating System Table Entry

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

Operating System Chassis Index

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

Operating System State Capabilities

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

Operating System State Settings

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

Operating System Status

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

Operating System Is Primary

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

Operating System Name

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

Operating System Version Name

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

Operating System Memory Table

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

Operating System Memory Table Entry

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

Operating System Memory Chassis Index

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

Operating System Memory State Capabilities

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

Operating System Memory State Settings

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

Operating System Memory Status

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

Operating System Memory Total Physical Size

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

Operating System Memory Available Physical Size

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

Operating System Memory Total Page File Size

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

Operating System Memory Available Page File Size

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

Operating System Memory Total Virtual Size

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

Operating System Memory Available Virtual Size

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

8

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" on page 135 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" on page 135
- "System Resource Owner Table" on page 137
- "System Resource Input/Output (I/O) Port Table" on page 140
- "System Resource Memory Table" on page 143
- "System Resource Interrupt Table" on page 146
- "System Resource Direct Memory Access (DMA) Table" on page 149

System Resource Map Table

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

System Resource Map Table Entry

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

System Resource Map Chassis Index

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

System Resource Map Index

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

System Resource Map State Capabilities

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

System Resource Map State Settings

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

System Resource Map Status

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

System Resource Map Type

Name	`systemResourceMapType`
Object ID	1.3.6.1.4.1.674.10892.1.500.10.1.6
Description	Defines the type of this system map.
Syntax	DellSystemResourceMapType (See Table 8-1)
Access	Read-only

System Resource Owner Table

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

System Resource Owner Table Entry

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

System Resource Owner Chassis Index

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

System Resource Owner Index

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

System Resource Owner State Capabilities

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

System Resource Owner State Settings

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

System Resource Owner Status

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

System Resource Owner Interface Type

Name	`systemResourceOwnerInterfaceType`
Object ID	1.3.6.1.4.1.674.10892.1.500.20.1.6
Description	Defines the interface type for this system resource owner.
Syntax	DellResourceOwnerInterfaceType (See Table 8-2)
Access	Read-only

System Resource Map Index Reference

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

System Resource Owner Description Name

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

System Resource Owner Interface Instance

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

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

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

System Resource I/O Port Table Entry

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

System Resource I/O Port Chassis Index

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

System Resource I/O Port Index

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

System Resource I/O Port State Capabilities

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

System Resource I/O Port State Settings

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

System Resource I/O Port Status

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

System Resource I/O Port Owner Index Reference

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

System Resource I/O Port Share Disposition

Name	systemResourceIOPortShareDisposition
Object ID	1.3.6.1.4.1.674.10892.1.500.30.1.7
Description	Defines the share disposition of the system resource I/O port.
Syntax	DellResourceShareDisposition (See Table 8-3)
Access	Read-only

System Resource I/O Port Starting Address

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

System Resource I/O Port Ending Address

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

System Resource Memory Table

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

System Resource Memory Table Entry

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

System Resource Memory Chassis Index

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

System Resource Memory Index

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

System Resource Memory State Capabilities

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

System Resource Memory State Settings

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

System Resource Memory Status

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

System Resource Memory Owner Index Reference

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

System Resource Memory Share Disposition

Name	`systemResourceMemoryShareDisposition`
Object ID	1.3.6.1.4.1.674.10892.1.500.40.1.7
Description	Defines the share disposition of the system resource memory.
Syntax	DellResourceShareDisposition (See Table 8-3)
Access	Read-only

System Resource Memory Starting Address

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

System Resource Memory Ending Address

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

System Resource Memory Flags

Name	systemResourceMemoryFlags
Object ID	1.3.6.1.4.1.674.10892.1.500.40.1.10
Description	Defines the permission flags for the system resource memory.
Syntax	DellResourceMemoryFlags (See Table 8-4)
Access	Read-only

System Resource Interrupt Table

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

System Resource Interrupt Table Entry

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

System Resource Interrupt Chassis Index

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

System Resource Interrupt Index

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

System Resource Interrupt State Capabilities

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

System Resource Interrupt State Settings

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

System Resource Interrupt Status

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

System Resource Interrupt Owner Index Reference

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

System Resource Interrupt Owner Share Disposition

Name	systemResourceInterruptShareDisposition
Object ID	1.3.6.1.4.1.674.10892.1.500.50.1.7
Description	Defines the share disposition of the system resource interrupt.
Syntax	DellResourceShareDisposition (See Table 8-3)
Access	Read-only

System Resource Interrupt Level

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

System Resource Interrupt Type

Name	systemResourceInterruptType
Object ID	1.3.6.1.4.1.674.10892.1.500.50.1.9
Description	Defines the interrupt type of the system resource interrupt.
Syntax	DellResourceInterruptType (See Table 8-5)
Access	Read-only

System Resource Interrupt Trigger

Name	systemResourceInterruptTrigger
Object ID	1.3.6.1.4.1.674.10892.1.500.50.1.10
Description	Defines the interrupt trigger of the system resource interrupt.
Syntax	DellResourceInterruptTrigger (See Table 8-6)
Access	Read-only

System Resource Direct Memory Access (DMA) Table

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

System Resource DMA Table Entry

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

System Resource DMA Chassis Index

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

System Resource DMA Index

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

System Resource DMA State Capabilities

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

System Resource DMA State Settings

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

System Resource DMA Status

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

System Resource DMA Owner Index Reference

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

System Resource DMA Share Disposition

Name	`systemResourceDMAShareDisposition`
Object ID	1.3.6.1.4.1.674.10892.1.500.60.1.7
Description	Defines the share disposition of the system resource DMA.
Syntax	DellResourceShareDisposition (See Table 8-3)
Access	Read-only

System Resource DMA Maximum Transfer Size

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

System Resource DMA Transfer Width

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

System Resource DMA Bus Master

Name	`systemResourceDMABusMaster`
Object ID	1.3.6.1.4.1.674.10892.1.500.60.1.10
Description	Defines the bus mastering capabilities of the system resource DMA.
Syntax	DellResourceDMABusMaster (See Table 8-7)
Access	Read-only

System Resource Group Variable Values

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

Table 8-1. System Resource Map Type

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

Table 8-2. Resource Owner Interface Type

Variable Name: `DellResourceOwnerInterfaceType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`typeIsOther(1)`	The interface type is not one of the following:
`typeIsUnknown(2)`	The interface type is unknown.
`typeIsInternal(3)`	The interface type is internal.
`typeIsISA(4)`	The interface type is an Industry Standard Architecture (ISA) bus.

Table 8-2. Resource Owner Interface Type *(continued)*

Variable Name: DellResourceOwnerInterfaceType **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
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 8-3. Resource Share Disposition

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

Table 8-4. Resource Memory Flags

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

Table 8-5. Resource Interrupt Type

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

Table 8-6. Resource Interrupt Trigger

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

Table 8-7. Resource DMA Bus Master

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

Table 8-8. Resource DMA Transfer Width

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

9

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.

NOTE: Power Management features are only available for PowerEdge systems that have hot-swappable power supplies and not systems that have a fixed, non-redundant power supply installed.

Power Group Tables

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

- "Power Unit Table" on page 157
- "Power Supply Table" on page 160
- "Voltage Probe Table" on page 164
- "Amperage Probe Table" on page 169
- "AC Power Switch Table" on page 175
- "AC Power Cord Table" on page 177
- "Battery Table" on page 180
- "Power Usage Table" on page 182
- "Power Profile Table" on page 188

Power Unit Table

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

Power Unit Table Entry

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

Power Unit Chassis Index

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

Power Unit Index

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

Power Unit State Capabilities

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

Power Unit State Settings

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

Power Unit Redundancy Status

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

Power Supply Count for Redundancy

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

Power Unit Name

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

Power Unit Status

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

Power Supply Table

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

Power Supply Table Entry

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

Power Supply Chassis Index

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

Power Supply Index

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

Power Supply State Capabilities Unique

Name	`powerSupplyStateCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.3
Description	Defines the capabilities of the power supply.
Syntax	DellPowerSupplyStateCapabilitiesUnique (See Table 9-1)
Access	Read-only

Power Supply State Settings Unique

Name	`powerSupplyStateSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.4
Description	Defines the state and settings of the power supply.
Syntax	DellPowerSupplyStateSettingsUnique (See Table 9-2)
Access	Read-write

Power Supply Status

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

Power Supply Output Watts

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

Power Supply Type

Name	`powerSupplyType`
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.7
Description	Defines the type of power supply.
Syntax	DellPowerSupplyType (See Table 9-3)
Access	Read-only

Power Supply Location Name

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

Power Supply Input Voltage

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

Power Supply Power Unit Index Reference

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

Power Supply Sensor State

Name	powerSupplySensorState
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.11
Description	Defines the state reported by the power supply sensor, and supplements the state and settings of the power supply.
Syntax	DellPowerSupplySensorState (See Table 9-4)
Access	Read-only

Power Supply Configuration Error Type

Name	powerSupplyConfigurationErrorType
Object ID	1.3.6.1.4.1.674.10892.1.600.12.1.12
Description	Defines the type of configuration error reported by the power supply sensor.
Syntax	DellPowerSupplyConfigurationErrorType (See Table 9-5)
Access	Read-only

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

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

Voltage Probe Table

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

Voltage Probe Table Entry

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

Voltage Probe Chassis Index

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

Voltage Probe Index

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

Voltage Probe State Capabilities

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

Voltage Probe State Settings

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

Voltage Probe Status

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

Voltage Probe Reading

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

Voltage Probe Type

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

Voltage Probe Location Name

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

Voltage Probe Upper Nonrecoverable Threshold

Name	voltageProbeUpperNonRecoverableThreshold
Object ID	1.3.6.1.4.1.674.10892.1.600.20.1.9
Description	Defines the value of the voltage probe's upper nonrecoverable threshold.
Syntax	DellSigned32BitRange

Name	voltageProbeUpperNonRecoverableThreshold
Access	Read-only

Voltage Probe Upper Critical Threshold

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

Voltage Probe Upper Noncritical Threshold

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

Voltage Probe Lower Noncritical Threshold

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

Voltage Probe Lower Critical Threshold

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

Voltage Probe Lower Nonrecoverable Threshold

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

Voltage Probe Probe Capabilities

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

Voltage Probe Discrete Reading

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

Amperage Probe Table

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

Amperage Probe Table Entry

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

Amperage Probe Chassis Index

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

Amperage Probe Index

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

Amperage Probe State Capabilities

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

Amperage Probe State Settings

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

Amperage Probe Status

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

Amperage Probe Reading

Name	amperageProbeReading
Object ID	1.3.6.1.4.1.674.10892.1.600.30.1.6
Description	Defines the 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

Amperage Probe Type

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

Amperage Probe Location Name

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

Amperage Probe Upper Nonrecoverable Threshold

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

Amperage Probe Upper Critical Threshold

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

Amperage Probe Upper Noncritical Threshold

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

Amperage Probe Lower Noncritical Threshold

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

Amperage Probe Lower Critical Threshold

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

Amperage Probe Lower Nonrecoverable Threshold

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

Amperage Probe Probe Capabilities

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

Amperage Probe Discrete Reading

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

AC Power Switch Table

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

AC Power Switch Table Entry

Name	aCPowerSwitchTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.600.40.1
Description	Defines the AC Power Switch Table entry.
Syntax	ACPowerSwitchTableEntry
Access	Not accessible
Index	aCPowerSwitchchassisIndex, aCPowerSwitchIndex

AC Power Switch Chassis Index

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

AC Power Switch Index

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

AC Power Switch Capabilities

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

AC Power Switch Settings

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

AC Power Switch Redundancy Status

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

AC Power Cord Count for Redundancy

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

AC Power Switch Name

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

AC Power Switch Redundancy Mode

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

AC Power Switch Status

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

AC Power Cord Table

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

AC Power Cord Table Entry

Name	aCPowerCordTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.600.42.1
Description	Defines the AC Power Cord Table entry.
Syntax	ACPowerCordTableEntry
Access	Not accessible
Index	aCPowerCordchassisIndex, aCPowerCordIndex

AC Power Cord Chassis Index

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

AC Power Cord Index

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

AC Power Cord State Capabilities

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

AC Power Cord State Settings

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

AC Power Cord Status

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

AC Power Cord AC Power Switch Index Reference

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

AC Power Cord Location Name

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

Battery Table

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

Battery Table Entry

Name	batteryTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.600.50.1
Description	Defines the Battery Table Entry.
Syntax	BatteryTableEntry
Access	Not accessible
Index	batteryChassisIndex, batteryIndex

Battery Chassis Index

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

Battery Index

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

Battery State Capabilities

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

Battery State Settings

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

Battery Status

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

Battery Reading

Name	batteryReading
Object ID	1.3.6.1.4.1.674.10892.1.600.50.1.6
Description	Defines the reading of the battery.
Syntax	DellBatteryReading (see Table 9-15)
Access	Read-only

Battery Location Name

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

Power 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

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

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

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

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

Power Usage State Settings

Name	powerUsageStateSettings
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-write

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

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

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

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

Power Usage Peak Watts

Name	powerUsagePeakWatts
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.9

Name	powerUsagePeakWatts
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

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

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

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

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

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

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.
Syntax	DellUnsigned32BitRange
Access	Read-only

Power Usage Max Potential Power

Name	powerUsageMaxPotentialPower
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.16

Name	`powerUsageMaxPotentialPower`
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

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

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

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

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

Power Usage Peak Headroom

Name	`powerUsagePeakHeadroom`
Object ID	1.3.6.1.4.1.674.10892.1.600.60.1.21
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

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

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

Name	powerProfileTableEntry
Access	Not accessible
Index	powerProfileChassisIndex, powerProfileIndex

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

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

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
Access	Read-only

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.

Name	`powerProfileSetting`
Syntax	DellPowerProfileType
Access	Read-only

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

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

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

Power Profile Custom Memory Management Setting

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

Power Profile Custom Fan Management Capabilities

Name	`powerProfileCustomFanManagementCapabilities`
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

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 9-1. Power Supply State Capabilities Unique

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

Table 9-2. 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.
`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.

Table 9-2. Power Supply State Settings Unique *(continued)*

Variable Name: `DellPowerSupplyStateSettingsUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`onlineAndPredictiveFailure(210)`	The power supply is online and indicating that it has a problem.
`acPowerAndSwitchAreOnPowerSupplyIsOnIsOkAndOnline(242)`	The power supply is online and OK.

Table 9-3. 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.

Table 9-3. Power Supply Type Definitions *(continued)*

Variable Name: `DellPowerSupplyType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 9-4. Power Supply Sensor State

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

Table 9-5. Power Supply Configuration Error Type

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

Table 9-6. 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.

Table 9-6. Voltage Probe Type *(continued)*

Variable Name: `DellVoltageType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 9-7. 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 9-8. Amperage Probe Definitions

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

Table 9-8. Amperage Probe Definitions *(continued)*

Variable Name: DellAmperageType **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
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 9-9. 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 9-10. 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.
`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 9-11. 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 9-12. 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 9-13. 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 9-14. 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.
`acPowerCordIsActiveSource(16)`	The AC power cord is the active source of AC power.

Table 9-15. 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 9-16. 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 9-17. 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 9-18. 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 9-19. CPU Power Performance Management Type

Variable Name: `DellCPUPowerPerformanceManagementType`

Data Type: `Integer`

NOTE: These values are bit masks, so combination values are possible.

Possible Data Values	Meaning of Data Value
`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 9-20. Memory Power Performance Management Type

Variable Name: `DellMemoryPowerPerformanceManagementType` **Data Type:** `Integer` **NOTE:** These values are bit masks, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
`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 9-21. Fan Power Performance Management Type

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

10

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" on page 205
- "Cooling Unit Status" on page 207
- "Temperature Probe Table" on page 213

Cooling Unit Table

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

Cooling Unit Table Entry

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

Cooling Unit Chassis Index

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

Cooling Unit Index

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

Cooling Unit State Capabilities

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

Cooling Unit State Settings

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

Cooling Unit Redundancy Status

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

Cooling Device Count For Redundancy

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

Cooling Unit Name

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

Cooling Unit Status

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

Cooling Device Table

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

Cooling Device Table Entry

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

Cooling Device Chassis Index

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

Cooling Device Index

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

Cooling Device State Capabilities

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

Cooling Device State Settings

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

Cooling Device Status

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

Cooling Device Reading

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

Cooling Device Type

Name	coolingDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.700.12.1.7
Description	Defines the cooling device type.
Syntax	DellCoolingDeviceType (See Table 10-1)
Access	Read-only

Cooling Device Location Name

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

Cooling Device Upper Nonrecoverable Threshold

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

Cooling Device Upper Critical Threshold

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

Cooling Device Upper Noncritical Threshold

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

Cooling Device Lower Noncritical Threshold

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

Cooling Device Lower Critical Threshold

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

Cooling Device Lower Nonrecoverable Threshold

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

Cooling Device Cooling Unit Index Reference

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

Cooling Device Subtype

Name	coolingDeviceSubType
Object ID	1.3.6.1.4.1.674.10892.1.700.12.1.16
Description	Defines the cooling device subtype.
Syntax	DellCoolingDeviceSubType (See Table 10-2)
Access	Read-only

Cooling Device Probe Capabilities

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

Cooling Device Discrete Reading

Name	`coolingDeviceDiscreteReading`
Object ID	1.3.6.1.4.1.674.10892.1.700.12.1.18
Description	Defines the reading for a voltage probe of type coolingDeviceSubTypeIsDiscrete. When the value for coolingDeviceSubType is other than coolingDeviceSubTypeIsDiscrete, a value is not returned for this attribute. When the value for coolingDeviceSubType is coolingDeviceSubTypeIsDiscrete, the value returned for this attribute is the discrete reading for the cooling device.
Syntax	DellCoolingDeviceDiscreteReading (See Table 10-3)
Access	Read-only

Temperature Probe Table

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

Temperature Probe Table Entry

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

Temperature Probe Chassis Index

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

Temperature Probe Index

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

Temperature Probe State Capabilities

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

Temperature Probe State Settings

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

Temperature Probe Status

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

Temperature Probe Reading

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

Temperature Probe Type

Name	`temperatureProbeType`
Object ID	1.3.6.1.4.1.674.10892.1.700.20.1.7
Description	Defines the temperature probe type.
Syntax	DellTemperatureProbeType (See Table 10-4)
Access	Read-only

Temperature Probe Location Name

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

Temperature Probe Upper Nonrecoverable Threshold

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

Temperature Probe Upper Critical Threshold

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

Temperature Probe Upper Noncritical Threshold

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

Temperature Probe Lower Noncritical Threshold

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

Temperature Probe Lower Critical Threshold

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

Temperature Probe Lower Nonrecoverable Threshold

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

Temperature Probe Probe Capabilities

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

Temperature Probe Discrete Reading

Name	`temperatureProbeDiscreteReading`
Object ID	1.3.6.1.4.1.674.10892.1.700.20.1.16
Description	Defines the reading for a temperature probe of type temperatureProbeTypeIsDiscrete. When the value for temperatureProbeType is other than temperatureProbeTypeIsDiscrete, a value is not returned for this attribute. When the value for temperatureProbeType is temperatureProbeTypeIsDiscrete, the value returned for this attribute is the discrete reading for the probe.
Syntax	DellTemperatureDiscreteReading (See Table 10-5)
Access	Read-only

Thermal Group Variable Values

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

Table 10-1. Cooling Device Type

Variable Name: `DellCoolingDeviceType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`coolingDeviceTypeIsOther(1)`	The cooling device type is not one of the following:
`coolingDeviceTypeIsUnknown(2)`	The cooling device type is unknown (not known or not monitored).
`coolingDeviceTypeIsAFan(3)`	The cooling device type is a fan.
`coolingDeviceTypeIsABlower(4)`	The cooling device type is a centrifugal blower.
`coolingDeviceTypeIsAChipFan(5)`	The cooling device type is a fan on an integrated circuit.
`coolingDeviceTypeIsACabinetFan(6)`	The cooling device type is a cabinet fan.
`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 10-2. Cooling Device Subtype

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

Table 10-3. Cooling Device Discrete Reading

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

Table 10-4. 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 10-5. 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.

11

User Security Group

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

User Security Group Table

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

User Security Table

The following object sets up the User Security Table:

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

User Security Table Entry

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

User Security Chassis Index

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

User Security Index

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

User Security User Name

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

User Security Control Name

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

User Security Request Name

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

12

Remote Flash BIOS Group

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

Remote Flash BIOS Group Table

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

Remote Flash BIOS Table

The following object sets up the Remote Flash BIOS Table:

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

Remote Flash BIOS Table Entry

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

Remote Flash BIOS Chassis Index

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

Remote Flash BIOS Index

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

Remote Flash BIOS State Capabilities Unique

Name	`remoteFlashBIOSStateCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.900.10.1.3
Description	Defines the capabilities of the remote BIOS update hardware on this system.
Syntax	DellRemoteFlashBIOSStateCapabilitiesUnique (See Table 12-1)
Access	Read-only

Remote Flash BIOS State Settings Unique

Name	`remoteFlashBIOSStateSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.900.10.1.4
Description	Defines the state and settings of the remote BIOS update hardware on this system.
Syntax	DellRemoteFlashBIOSStateSettingsUnique (See Table 12-2)
Access	Read-write

Remote Flash BIOS Status

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

Remote Flash BIOS Last BIOS Date Name

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

Remote Flash BIOS Completion Code

Name	`remoteFlashBIOSCompletionCode`
Object ID	1.3.6.1.4.1.674.10892.1.900.10.1.7
Description	Defines the completion code of the last BIOS update.
Syntax	DellRemoteFlashBIOSCompletionCode (See Table 12-3 on page 231)
Access	Read-only

Remote Flash BIOS Minimum Contiguous Memory

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

Remote Flash BIOS Variable Values

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

Table 12-1. Remote Flash BIOS State Capabilities Unique

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

Table 12-2. Remote Flash BIOS State Settings

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

Table 12-3. 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.

13

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" on page 233
- "Keyboard Port Table" on page 236
- "Processor Port Table" on page 239
- "Memory Device Port Table" on page 242
- "Monitor Port Table" on page 245
- "Small Computer System Interface (SCSI) Port Table" on page 248
- "Parallel Port Table" on page 250
- "Serial Port Table" on page 254
- "Universal Serial Bus (USB) Port Table" on page 258

Pointing Port Table

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

Pointing Port Table Entry

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

Pointing Port Chassis Index

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

Pointing Port Index

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

Pointing Port State Capabilities

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

Pointing Port State Settings

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

Pointing Port Status

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

Pointing Port Security State

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

Pointing Port Connector Type

Name	pointingPortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.10.7
Description	Defines the connector type of the pointing port.
Syntax	DellPointingPortConnectorType (See Table 13-1)
Access	Read-only

Pointing Port Name

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

Pointing Port BIOS Connector Type

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

Keyboard Port Table

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

Keyboard Port Table Entry

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

Keyboard Port Chassis Index

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

Keyboard Port Index

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

Keyboard Port State Capabilities

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

Keyboard Port State Settings

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

Keyboard Port Status

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

Keyboard Port Security State

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

Keyboard Port Connector Type

Name	keyboardPortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.20.1.7
Description	Defines the connector type of the keyboard port.
Syntax	DellKeyboardPortConnectorType (See Table 13-2)
Access	Read-only

Keyboard Port Name

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

Keyboard Port BIOS Connector Type

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

Processor Port Table

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

Processor Port Table Entry

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

Processor Port Chassis Index

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

Processor Port Index

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

Processor Port State Capabilities

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

Processor Port State Settings

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

Processor Port Status

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

Processor Port Security State

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

Processor Port Connector Type

Name	`processorPortConnectorType`
Object ID	1.3.6.1.4.1.674.10892.1.1000.30.1.7
Description	Defines the connector type of the processor port.
Syntax	DellProcessorPortConnectorType (See Table 13-3)
Access	Read-only

Processor Port Name

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

Processor Port BIOS Connector Type

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

Memory Device Port Table

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

Memory Device Port Table Entry

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

Memory Device Port Chassis Index

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

Memory Device Port Index

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

Memory Device Port State Capabilities

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

Memory Device Port State Settings

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

Memory Device Port Status

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

Memory Device Port Security State

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

Memory Device Port Connector Type

Name	memoryDevicePortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.40.1.7
Description	Defines the connector type of the memory device port.
Syntax	DellMemoryDevicePortConnectorType (See Table 13-4)
Access	Read-only

Memory Device Port Name

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

Memory Device Port BIOS Connector Type

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

Memory Device Port Physical Memory Array Index Reference

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

Memory Device Port Physical Memory Card Index Reference

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

Monitor Port Table

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

Monitor Port Table Entry

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

Monitor Port Chassis Index

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

Monitor Port Index

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

Monitor Port State Capabilities

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

Monitor Port State Settings

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

Monitor Port Status

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

Monitor Port Security State

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

Monitor Port Connector Type

Name	monitorPortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.50.1.7
Description	Defines the connector type of the monitor port.
Syntax	DellMonitorPortConnectorTypes (See Table 13-5)
Access	Read-only

Monitor Port Name

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

Monitor Port BIOS Connector Type

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

Small Computer System Interface (SCSI) Port Table

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

SCSI Port Table Entry

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

SCSI Port Chassis Index

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

SCSI Port Index

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

SCSI Port State Capabilities

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

SCSI Port State Settings

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

SCSI Port Status

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

SCSI Port Security State

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

SCSI Port Connector Type

Name	sCSIPortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.60.1.7
Description	Defines the connector type of the SCSI port.
Syntax	DellSCSIPortConnectorType (See Table 13-6)
Access	Read-only

SCSI Port Name

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

SCSI Port BIOS Connector Type

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

Parallel Port Table

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

Parallel Port Table Entry

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

Parallel Port Chassis Index

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

Parallel Port Index

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

Parallel Port State Capabilities

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

Parallel Port State Settings

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

Parallel Port Status

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

Parallel Port Security State

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

Parallel Port Connector Type

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

Parallel Port Name

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

Parallel Port Connector Pin Out

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

Parallel Port Capabilities Unique

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

Parallel Port Base I/O Address

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

Parallel Port IRQ Level

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

Parallel Port DMA Support

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

Serial Port Table

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

Serial Port Table Entry

Name	serialPortTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1
Description	Defines the Serial Port Table entry.
Syntax	SerialPortTableEntry
Access	Not accessible
Index	serialPortchassisIndex, serialPortIndex

Serial Port Chassis Index

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

Serial Port Index

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

Serial Port State Capabilities

Name	`serialPortStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.3
Description	Defines the capabilities of the serial port.
Syntax	DellStateCapabilities
Access	Read-only

Serial Port State Settings

Name	`serialPortStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.4
Description	Defines the state and settings of the serial port.
Syntax	DellStateSettings
Access	Read-write

Serial Port Status

Name	`serialPortStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.5
Description	Defines the status of the serial port.
Syntax	DellStatus
Access	Read-only

Serial Port Security State

Name	`serialPortSecurityState`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.6
Description	Defines the security settings of the serial port.
Syntax	DellPortSecurityState
Access	Read-only

Serial Port Connector Type

Name	`serialPortConnectorType`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.7
Description	Defines connector type of the serial port.
Syntax	DellSerialPortConnectorType
Access	Read-only

Serial Port Name

Name	`serialPortName`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.8
Description	Defines the name of the serial port.
Syntax	DellString
Access	Read-only

Serial Port Maximum Speed

Name	`serialPortMaximumSpeed`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.9
Description	Defines the maximum speed the serial interface can support in bits per second (bps).
Syntax	DellUnsigned32BitRange
Access	Read-only

Serial Port Capabilities Unique

Name	`serialPortCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.10
Description	Defines additional capabilities of the serial port.
Syntax	DellSerialPortCapabilitiesUnique
Access	Read-only

Serial Port Base I/O Address

Name	`serialPortBaseIOAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.11
Description	Defines the base I/O address of the serial port.
Syntax	DellUnsigned64BitRange
Access	Read-only

Serial Port IRQ Level

Name	`serialPortIRQLevel`
Object ID	1.3.6.1.4.1.674.10892.1.1000.80.1.12
Description	Defines the IRQ of the serial port.
Syntax	DellUnsigned8BitRange
Access	Read-only

Universal Serial Bus (USB) Port Table

Name	uSBPortTable
Object ID	1.3.6.1.4.1.674.10892.1.1000.90
Description	Defines the USB Port Table.
Syntax	IntegerUSBPortTableEntry
Access	Not accessible

USB Port Table Entry

Name	uSBPortTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1
Description	Defines the USB Port Table entry.
Syntax	USBPortTableEntry
Access	Not accessible
Index	uSBPortchassisIndex, uSBPortIndex

USB Port Chassis Index

Name	uSBPortchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

USB Port Index

Name	uSBPortIndex
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.2
Description	Defines the index of the USB ports in this chassis
Syntax	DellObjectRange
Access	Read-only

USB Port State Capabilities

Name	uSBPortStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.3
Description	Defines the capabilities of the USB port.
Syntax	DellStateCapabilities
Access	Read-only

USB Port State Settings

Name	uSBPortStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.4
Description	Defines the state and settings of the USB port.
Syntax	DellStateSettings
Access	Read-write

USB Port Status

Name	uSBPortStatus
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.5
Description	Defines the state of the USB port.
Syntax	DellStatus
Access	Read-only

USB Port Security State

Name	uSBPortSecurityState
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.6
Description	Defines the security settings of the USB port.
Syntax	DellPortSecurityState
Access	Read-only

USB Port Connector Type

Name	uSBPortConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.7
Description	Defines the connector type of the USB port.
Syntax	DellUSBPortConnectorType
Access	Read-only

USB Port Name

Name	uSBPortName
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.8
Description	Defines the name of the USB port.
Syntax	DellString
Access	Read-only

USB Port BIOS Connector Type

Name	uSBPortBIOSConnectorType
Object ID	1.3.6.1.4.1.674.10892.1.1000.90.1.9
Description	Defines the BIOS connector type of the USB port.
Syntax	DellGenericPortConnectorType
Access	Read-only

Port Group Variable Values

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

Table 13-1. Pointing Port Connector Type

Variable Name: `DellPointingPortConnectorType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`connectorPortTypeIsOther(1)`	The pointing port connector type is not one of the following:
`connectorPortTypeIsUnknown(2)`	The pointing port connector type is unknown.
`connectorPortTypeIsSerial(3)`	The pointing port connector type is serial.
`connectorPortTypeIsPS2(4)`	The pointing port connector type is a Personal System/2 (PS/2).
`connectorPortTypeIsInfrared(5)`	The pointing port connector type is infrared.
`connectorPortTypeIsHPHIL(6)`	The pointing port connector type is HP-HIL.
`connectorPortTypeIsBusMouse(7)`	The pointing port connector type is a bus mouse.
`connectorPortTypeIsADB(8)`	The pointing port connector type is ADB.
`connectorPortTypeIsDB9(9)`	The pointing port connector type is nine-pin DB-9.
`connectorPortTypeIsMicroDIN(10)`	The pointing port connector type is micro Deutsche Industrie Norm (DIN).
`connectorPortTypeIsAccessBusUSB (11)`	The pointing port connector type is Access Bus USB.
`connectorPortTypeIsPC98(12)`	The port connector type is a PC-98.

Table 13-2. 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 13-3. 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 13-4. Memory Device Port Connector Types

Variable Name: `DellMemoryDevicePortConnectorType` **Data Type:** `Integer`	
Possible Data Value	**Meaning of Data Value**
`connectorPortTypeIsOther(1)`	The memory device port connector type is not one of the following:
`connectorPortTypeIsUnknown(2)`	The memory device port connector type is unknown.
`connectorPortTypeIsSIMM(3)`	The memory device port connector type is a single in-line memory module (SIMM).
`connectorPortTypeIsSIP(4)`	The memory device port connector type is a SIP.
`connectorPortTypeIsAChip(5)`	The memory device port connector type is a chip.
`connectorPortTypeIsDIP(6)`	The memory device port connector type is a dual in-line package (DIP).
`connectorPortTypeIsZIP(7)`	The memory device port connector type is a ZIP.
`connectorPortTypeIsAProprietaryCard(8)`	The memory device port connector type is a proprietary card.
`connectorPortTypeIsDIMM(9)`	The memory device port connector type is a dual in-line memory module (DIMM).
`connectorPortTypeIsTSOP(10)`	The memory device port connector type is a TSOP.
`connectorPortTypeIsARowOfChips(11)`	The memory device port connector type is a row of chips.

Table 13-4. Memory Device Port Connector Types *(continued)*

Variable Name: `DellMemoryDevicePortConnectorType` **Data Type:** `Integer`	
Possible Data Value	**Meaning of Data Value**
`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 13-5. Monitor Port Connector Types

Variable Name: `DellMonitorPortConnectorType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`connectorPortTypeIsOther(1)`	The monitor port connector type is not one of the following:
`connectorPortTypeIsUnknown(2)`	The monitor port connector type is unknown.
`connectorPortTypeIsDB15PinMale(3)`	The monitor port connector type is a male DB-15.
`connectorPortTypeIsDB15PinFemale(4)`	The monitor port connector type is a female DB-15.

Table 13-6. SCSI Port Connector Types

Variable Name: `DellSCSIPortConnectorType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`connectorPortTypeIsOther(1)`	The SCSI port connector type is not one of the following:
`connectorPortTypeIsUnknown(2)`	The SCSI port connector type is unknown.
`connectorPortTypeIsDIN25pin(3)`	The SCSI port connector type is a DIN 25-pin.
`connectorPortTypeIsDIN50pin(4)`	The SCSI port connector type is a DIN 50-pin.
`connectorPortTypeIsDIN68pin(5)`	The SCSI port connector type is a DIN 68-pin.

14

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" on page 268
- "Keyboard Device Table" on page 270
- "Processor Device Table" on page 273
- "Processor Device Status Table" on page 281
- "Cache Device Table" on page 283
- "Memory Device Table" on page 289
- "Memory Device Mapped Address Table" on page 297
- "Generic Device Table" on page 300
- "PCI Device Table" on page 303
- "PCI Device Configuration Space Table" on page 306
- "Network Device Table" on page 309
- "Managed System Services Device Table" on page 317
- "SD Card Unit Table" on page 319
- "SD Card Device Table" on page 322

Pointing Device Table

Name	pointingDeviceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.10
Description	Defines the Pointing Device Table. This group of objects references the Pointing Port Index (See Section 12).
Syntax	SEQUENCE OF PointingDeviceTableEntry
Access	Not accessible

Pointing Device Table Entry

Name	pointingDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1
Description	Defines the Pointing Device Table entry.
Syntax	PointingDeviceTableEntry
Access	Not accessible
Index	pointingDevicechassisIndex, pointingDeviceIndex

Pointing Device Chassis Index

Name	pointingDevicechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Pointing Device Index

Name	pointingDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.2
Description	Defines the index of the pointing device in this chassis.
Syntax	DellObjectRange
Access	Read-only

Pointing Device State Capabilities

Name	pointingDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.3
Description	Defines the capabilities of the pointing device.
Syntax	DellStateCapabilities
Access	Read-only

Pointing Device State Settings

Name	pointingDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.4
Description	Defines the state of the pointing device.
Syntax	DellStateSettings
Access	Read-write

Pointing Device Status

Name	pointingDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.5
Description	Defines the status of the pointing device.
Syntax	DellStatus
Access	Read-only

Pointing Port Index Reference

Name	pointingPortIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.6
Description	Defines the index to the pointing port in this chassis.
Syntax	DellObjectRange
Access	Read-only

Pointing Device Type

Name	pointingDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.7
Description	Defines the type of the pointing device.
Syntax	DellPointingDeviceType (See Table 14-1)
Access	Read-only

Pointing Device Number of Buttons

Name	pointingDeviceNumberofButtons
Object ID	1.3.6.1.4.1.674.10892.1.1100.10.1.8
Description	Defines the number of buttons on the pointing device.
Syntax	DellUnsigned8BitRange
Access	Read-only

Keyboard Device Table

Name	keyboardDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.20
Description	Defines the Keyboard Device Table. This table references the Keyboard Port Index (See Section 12).
Syntax	SEQUENCE OF KeyboardDeviceTableEntry
Access	Not accessible

Keyboard Device Table Entry

Name	keyboardDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1
Description	Defines the Keyboard Device Table entry.
Syntax	KeyboardDeviceTableEntry
Access	Not accessible
Index	keyboardDevicechassisIndex, keyboardDeviceIndex

Keyboard Device Chassis Index

Name	keyboardDevicechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Keyboard Device Index

Name	keyboardDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.2
Description	Defines the index of the keyboard device for this chassis.
Syntax	DellObjectRange
Access	Read-only

Keyboard Device State Capabilities

Name	keyboardDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.3
Description	Defines the capabilities of the keyboard device.
Syntax	DellStateCapabilities
Access	Read-only

Keyboard Device State Settings

Name	keyboardDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.4
Description	Defines the state of the keyboard device.
Syntax	DellStatesSettings
Access	Read-write

Keyboard Device Status

Name	keyboardDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.5
Description	Defines the status of the keyboard device.
Syntax	DellStatus
Access	Read-only

Keyboard Port Index Reference

Name	keyboardPortIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.6
Description	Defines the index to the associated the keyboard port in this chassis.
Syntax	DellStatus
Access	Read-only

Keyboard Device Type Name

Name	keyboardDeviceTypeName
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.7
Description	Defines the name of the keyboard type.
Syntax	DellString
Access	Read-only

Keyboard Device Layout Name

Name	keyboardDeviceLayoutName
Object ID	1.3.6.1.4.1.674.10892.1.1100.20.1.8
Description	Defines the name of the keyboard layout.
Syntax	DellString
Access	Read-only

Processor Device Table

Name	`processorDeviceTable`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30
Description	Defines the Processor Device Table.
Syntax	SEQUENCE OF ProcessorDeviceTableEntry
Access	Not accessible

Processor Device Table Entry

Name	`processorDeviceTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1
Description	Defines the Processor Device Table entry.
Syntax	ProcessorDeviceTableEntry
Access	Not accessible
Index	processorDevicechassisIndex, processorDeviceIndex

Processor Device Chassis Index

Name	`processorDevicechassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Processor Device Index

Name	`processorDeviceIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.2
Description	Defines the index of the processor device in this chassis.
Syntax	DellObjectRange
Access	Read-only

Processor Device State Capabilities

Name	processorDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.3
Description	Defines the capabilities of the processor device.
Syntax	DellStateCapabilities
Access	Read-only

Processor Device State Settings

Name	processorDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.4
Description	Defines the state of the processor device.
Syntax	DellStateSettings
Access	Read-write

Processor Device Status

Name	processorDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.5
Description	Defines the status of the processor device.
Syntax	DellStatus
Access	Read-only

Processor Port Index Reference

Name	processorPortIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.6
Description	Defines the index to the associated processor port in this chassis.
Syntax	DellObjectRange
Access	Read-only

Processor Device Type

Name	`processorDeviceType`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.7
Description	Defines the type of processor device.
Syntax	DellProcessorDeviceType (See Table 14-4)
Access	Read-only

Processor Device Manufacturer Name

Name	`processorDeviceManufacturerName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.8
Description	Defines the name of manufacturer of the processor device.
Syntax	DellString
Access	Read-only

Processor Device Status State

Name	`processorDeviceStatusState`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.9
Description	Defines the status state of the processor device.
Syntax	DellProcessorDeviceStatusState (See Table 14-2)
Access	Read-only

Processor Device Family

Name	`processorDeviceFamily`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.10
Description	Defines the family of the processor device.
Syntax	DellProcessorDeviceFamily (See Table)
Access	Read-only

Processor Device Maximum Speed

Name	`processorDeviceMaximumSpeed`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.11
Description	Defines the maximum speed of the processor device in megahertz (MHz). A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device Current Speed

Name	`processorDeviceCurrentSpeed`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.12
Description	Defines the current speed of the processor device in MHz. A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device External Clock Speed

Name	`processorDeviceExternalClockSpeed`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.13
Description	Defines the speed of the external clock (the front-side bus speed) for the processor device in MHz. A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device Voltage

Name	`processorDeviceVoltage`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.14
Description	Defines the voltage powering the processor device in millivolts. A zero (0) indicates the speed is unknown.
Syntax	DellSigned32BitRange
Access	Read-only

Processor Device Upgrade Information

Name	`processorDeviceUpgradeInformation`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.15
Description	Defines the processor upgrade information for the processor device.
Syntax	DellProcessorUpgradeInformation (See Table 14-5)
Access	Read-only

Processor Device Version Name

Name	`processorDeviceVersionName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.16
Description	Defines the version name of the processor device.
Syntax	DellString
Access	Read-only

Processor Device Core Count

Name	`processorDeviceCoreCount`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.17
Description	Defines the number of processor cores detected for the processor device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device Core Enabled Count

Name	`processorDeviceCoreEnabledCount`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.18
Description	Defines the number of processor cores enabled for the processor device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device Thread Count

Name	`processorDeviceThreadCount`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.19
Description	Defines the number of processor threads detected for the processor device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Processor Device Characteristics

Name	`processorDeviceCharacteristics`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.20
Description	This attribute defines characteristics of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).

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
Bit 3-15	Reserved

Syntax	DellUnsigned16BitRange
Access	Read-only

Processor Device Extended Capabilities

Name	`processorDeviceExtendedCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.21
Description	This attribute defines extended capabilities of the processor device. This attribute is a bit field where a bit has the meaning defined below when set to 1 (one).

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

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) enabled
Bit 1	Demand Based Switching (DBS) enabled
Bit 2	eXecute Disable (XD) enabled
Bit 3	Hyper-Threading (HT) enabled

Syntax	DellUnsigned16BitRange
Access	Read-only

Processor Device Brand Name

Name	`processorDeviceBrandName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.23
Description	Defines the brand of the processor device.
Syntax	DellString
Access	Read-only

Processor Device Model Name

Name	`processorDeviceModelName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.24
Description	Defines the model of the processor device.
Syntax	DellString
Access	Read-only

Processor Device Stepping Name

Name	processorDeviceSteppingName
Object ID	1.3.6.1.4.1.674.10892.1.1100.30.1.25
Description	Defines the stepping of the processor device.
Syntax	DellString
Access	Read-only

Processor Device Status Table

Name	processorDeviceStatusTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.32
Description	Defines the Processor Device Status Table.
Syntax	SEQUENCE OF ProcessorDeviceStatusTableEntry
Access	Not accessible

Processor Device Status Table Entry

Name	processorDeviceStatusTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1
Description	Defines the Processor Device Status Table Entry.
Syntax	ProcessorDeviceStatusTableEntry
Access	Not accessible
Index	processorDeviceStatusChassisIndex, processorDeviceStatusIndex

Processor Device Status Chassis Index

Name	processorDeviceStatusChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Processor Device Status Index

Name	`processorDeviceStatusIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.2
Description	Defines the index (one-based) of the processor device status probe.
Syntax	DellObjectRange
Access	Read-only

Processor Device Status State Capabilities

Name	`processorDeviceStatusStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.3
Description	Defines the state capabilities of the processor device status probe.
Syntax	DellStateCapabilities
Access	Read-only

Processor Device Status State Settings

Name	`processorDeviceStatusStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.4
Description	Defines the state settings of the processor device status probe.
Syntax	DellStateSettings
Access	Read-write

Processor Device Status Status

Name	`processorDeviceStatusStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.5
Description	Defines the status of the processor device status probe. This status is joined into the processorDeviceStatus attribute.
Syntax	DellStatus
Access	Read-only

Processor Device Status Reading

Name	processorDeviceStatusReading
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.6
Description	Defines the reading of the processor device status probe.
Syntax	DellProcessorDeviceStatusReading
Access	Read-only

Processor Device Status Location Name

Name	processorDeviceStatusLocationName
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.7
Description	Defines the location name of the processor device status probe.
Syntax	DellString
Access	Read-only

Processor Device Status Port Index Reference

Name	processorDeviceStatusPortIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.32.1.8
Description	Defines the index (one-based) of the associated processor port in the same chassis.
Syntax	DellObjectRange
Access	Read-only

Cache Device Table

Name	cacheDeviceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.40
Description	Defines the Cache Device Table.
Syntax	SEQUENCE OF CacheDeviceTableEntry
Access	Not accessible

Cache Device Table Entry

Name	cacheDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1
Description	Defines the Cache Device Table entry.
Syntax	CacheDeviceTableEntry
Access	Not accessible
Index	cacheDevicechassisIndex, cacheDeviceIndex

Cache Device Chassis Index

Name	cacheDevicechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Cache Device Index

Name	cacheDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.2
Description	Defines the index of the cache device in this chassis.
Syntax	DellObjectRange
Access	Read-only

Cache Device State Capabilities

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

Cache Device State Settings

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

Cache Device Status

Name	`cacheDeviceStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.5
Description	Defines the status of the cache device.
Syntax	DellStatus
Access	Read-only

Cache Device Processor Device Index Reference

Name	`cacheDeviceprocessorDeviceIndexReference`
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.6
Description	Defines the index number of the processor device with which this cache device is associated.
Syntax	DellObjectRange
Access	Read-only

Cache Device Type

Name	`cacheDeviceType`
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.7
Description	Defines the type of cache device.
Syntax	DellCacheDeviceType (See Table 14-7)
Access	Read-only

Cache Device Location

Name	cacheDeviceLocation
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.8
Description	Defines the location of the cache device.
Syntax	DellCacheDeviceLocation (See Table 14-13)
Access	Read-only

Cache Device Status State

Name	cacheDeviceStatusState
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.9
Description	Defines the status state of the cache device.
Syntax	DellCacheDeviceStatusState (See Table 14-10)
Access	Read-only

Cache Device External Socket Name

Name	cacheDeviceExternalSocketName
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.10
Description	Defines the external socket name of the cache device, if the cache is socketed.
Syntax	DellString
Access	Read-only

Cache Device Level

Name	cacheDeviceLevel
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.11
Description	Defines the level of the cache device.
Syntax	DellCacheDeviceLevel (See Table 14-8)
Access	Read-only

Cache Device Maximum Size

Name	cacheDeviceMaximumSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.12
Description	Defines the maximum size of the cache device in kilobytes (KB). A zero (0) indicates that the size is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Cache Device Current Size

Name	cacheDeviceCurrentSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.13
Description	Defines the current size of the cache device in KB. A zero (0) indicates that the size is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Cache Device Speed

Name	cacheDeviceSpeed
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.14
Description	Defines the speed of the cache device in nanoseconds. A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Cache Device Write Policy

Name	cacheDeviceWritePolicy
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.15
Description	Defines the write policy of the cache device.
Syntax	DellCacheDeviceWritePolicy (See Table 14-9)
Access	Read-only

Cache Device Is Socketed

Name	cacheDeviceIsSocketed
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.16
Description	Defines if the cache device is socketed.
Syntax	DellBoolean
Access	Read-only

Cache Device Error Checking and Correction (ECC) Type

Name	cacheDeviceECCType
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.17
Description	Defines the type of error correction in use by the cache device.
Syntax	DellCacheDeviceECCType (See Table 14-11)
Access	Read-only

Cache Device Associativity

Name	cacheDeviceAssociativity
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.18
Description	Defines the type of associativity in use by the cache device.
Syntax	DellCacheDeviceAssociativity (See Table 14-12)
Access	Read-only

Cache Device Supported Type

Name	cacheDeviceSupportedType
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.19
Description	Defines the type of static random-access memory (SRAM) that the cache device can support.
Syntax	DellCacheDeviceSupportedType
Access	Read-only

Cache Device Current Type

Name	`cacheDeviceCurrentType`
Object ID	1.3.6.1.4.1.674.10892.1.1100.40.1.20
Description	Defines the current type of SRAM for the cache device.
Syntax	DellCacheDeviceSRAMType (See Table 14-14)
Access	Read-only

Memory Device Table

Name	`memoryDeviceTable`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50
Description	Defines the Memory Device Table.
Syntax	SEQUENCE OF MemoryDeviceTableEntry
Access	Not accessible

Memory Device Table Entry

Name	`memoryDeviceTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1
Description	Defines the Memory Device Table entry.
Syntax	MemoryDeviceTableEntry
Access	Not accessible
Index	memoryDevicechassisIndex, memoryDeviceIndex

Memory Device Chassis Index

Name	`memoryDevicechassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Memory Device Index

Name	memoryDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.2
Description	Defines the index of the memory device in this chassis.
Syntax	DellObjectRange
Access	Read-only

Memory Device State Capabilities

Name	memoryDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.3
Description	Defines the capabilities of the memory device.
Syntax	DellStateCapabilities
Access	Read-only

Memory Device State Settings

Name	memoryDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.4
Description	Defines the state of the memory device.
Syntax	DellStateSettings
Access	Read-write

Memory Device Status

Name	memoryDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.5
Description	Defines the status of the memory device.
Syntax	DellStatus
Access	Read-only

Memory Device Memory Port Index Reference

Name	memoryDeviceMemoryPortIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.6
Description	Defines the index of the memory port of which this memory device is part.
Syntax	DellObjectRange
Access	Read-only

Memory Device Type

Name	memoryDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.7
Description	Defines the type of the memory device.
Syntax	DellMemoryDeviceType (See Table 14-16)
Access	Read-only

Memory Device Location Name

Name	memoryDeviceLocationName
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.8
Description	Defines the location name of the memory device.
Syntax	DellString
Access	Read-write

Memory Device Error Count

NOTE: "Memory Device Failure Modes" on page 295 has now replaced this attribute. Memory Device Error Count should no longer be used. If you use the Memory Device Error Count attribute, the value returned is always zero, and using the attribute 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-write

Memory Device Bank Location Name

Name	`memoryDeviceBankLocationName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.10
Description	Defines the bank location name of the memory device.
Syntax	DellString
Access	Read-only

Memory Device Type Details

Name	`memoryDeviceTypeDetails`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.11
Description	Defines the detailed type of the memory device.
Syntax	DellMemoryDeviceTypeDetails (See Table 13-17)
Access	Read-only

Memory Device Form Factor

Name	`memoryDeviceFormFactor`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.12
Description	Defines the form factor of the memory device.
Syntax	DellMemoryDeviceFormFactor (See Table 14-15)
Access	Read-only

Memory Device Set

Name	`memoryDeviceSet`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.13
Description	Defines if the memory device is a part of a set. A zero (0) indicates that this device is not part of a set.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Size

Name	`memoryDeviceSize`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.14
Description	Defines the size in KB of the memory device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Speed

Name	`memoryDeviceSpeed`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.15
Description	Defines the speed in nanoseconds of the memory device. A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Total Bus Width

Name	memoryDeviceTotalBusWidth
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.16
Description	Defines the total number of bits, including ECC, used by the memory device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Total Data Bus Width

Name	memoryDeviceTotalDataBusWidth
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.17
Description	Defines the total number of data bits used by the memory device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Correctable Memory Event Count

NOTE: "Memory Device Failure Modes" on page 295 has now replaced this attribute. Memory Device Correctable Memory Event Count should no longer be used. If you use the Memory Device Correctable Memory Event Count attribute, the value returned is always zero, and using the attribute 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

Memory Device Uncorrectable Memory Event Count

NOTE: "Memory Device Failure Modes" on page 295 has now replaced this attribute. Memory Device Uncorrectable Memory Event Count should no longer be used. If you use the Memory Device Uncorrectable Memory Event Count attribute, the value returned is always zero, and using the attribute 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

Memory Device Failure Modes

Name	`memoryDeviceFailureModes`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.20
Description	Defines the failure modes of the memory device when the memoryDeviceStatus attribute is not OK. It is a bit field that can be used to report more than one type of failure mode by using a combination of the defined bit masks.
Syntax	DellMemoryDeviceFailureModes
Access	Read-only

Memory Device Manufacturer Name

Name	`memoryDeviceManufacturerName`
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.21
Description	Defines the manufacturer of the memory device.
Syntax	DellString
Access	Read-only

Memory Device Part Number Name

Name	memoryDevicePartNumberName
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.22
Description	Defines the manufacturer's part number for the memory device.
Syntax	DellString
Access	Read-only

Memory Device Serial Number Name

Name	memoryDeviceSerialNumberName
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.23
Description	Defines the serial number of the memory device.
Syntax	DellString
Access	Read-only

Memory Device Asset Tag Name

Name	memoryDeviceAssetTagName
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.24
Description	Defines the asset tag of the memory device.
Syntax	DellString
Access	Read-only

Memory Device Speed Name

Name	memoryDeviceSpeedName
Object ID	1.3.6.1.4.1.674.10892.1.1100.50.1.25
Description	This attribute defines the speed of the memory device in string format with units specified in string.
Syntax	DellString
Access	Read-only

Memory Device Mapped Address Table

Name	memoryDeviceMappedAddressTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.60
Description	Defines the Memory Device Mapped Address Table.
Syntax	SEQUENCE OF MemoryDeviceMappedAddressTableEntry
Access	Not accessible

Memory Device Mapped Address Table Entry

Name	memoryDeviceMappedAddressTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1
Description	Defines the Memory Device Mapped Address Table entry.
Syntax	MemoryDeviceMappedAddressTableEntry
Access	Not accessible
Index	memoryDeviceMappedAddresschassisIndex, memoryDeviceMappedAddressIndex

Memory Device Mapped Address Chassis Index

Name	memoryDeviceMappedAddresschassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Memory Device Mapped Address Index

Name	memoryDeviceMappedAddressIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.2
Description	Defines the index (one-based) of the memory device mapped address in this chassis.
Syntax	DellObjectRange
Access	Read-only

Memory Device Mapped Address State Capabilities

Name	memoryDeviceMappedAddressStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.3
Description	Defines the capabilities of the memory device mapped address.
Syntax	DellStateCapabilities
Access	Read-only

Memory Device Mapped Address State Settings

Name	memoryDeviceMappedAddressStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.4
Description	Defines the state of the memory device mapped address.
Syntax	DellStateSettings
Access	Read-write

Memory Device Mapped Address Status

Name	memoryDeviceMappedAddressStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.5
Description	Defines the status of the memory device mapped address.
Syntax	DellStatus
Access	Read-only

Memory Device Index Reference

Name	memoryDeviceIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.6
Description	Defines the index of the memory device(s) associated with this memory device mapped address.
Syntax	DellObjectRange
Access	Read-only

Memory Device Mapped Address Row Position

Name	memoryDeviceMappedAddressRowPosition
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.7
Description	Defines the position of the referenced memory in a row of the memory device mapped address.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Mapped Address Interleave Position

Name	memoryDeviceMappedAddressInterleavePosition
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.8
Description	Defines the position of the referenced memory in an interleave of the memory device mapped address.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Mapped Address Interleave Depth

Name	`memoryDeviceMappedAddressInterleaveDepth`
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.9
Description	Defines the maximum number of consecutive rows from the referenced memory device that are accessed in a single interleaved transfer in the memory device mapped address.
Syntax	DellUnsigned32BitRange
Access	Read-only

Memory Device Mapped Address Starting Address

Name	`memoryDeviceMappedAddressStartingAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.10
Description	Defines the physical starting address in KB of the memory device mapped address.
Syntax	DellUnsigned64BitRange
Access	Read-only

Memory Device Mapped Address Ending Address

Name	`memoryDeviceMappedAddressEndingAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1100.60.1.11
Description	Defines the physical ending address in KB of the memory device mapped address.
Syntax	DellUnsigned64BitRange
Access	Read-only

Generic Device Table

Name	`genericDeviceTable`
Object ID	1.3.6.1.4.1.674.10892.1.1100.70
Description	Defines the Generic Device Table.
Syntax	SEQUENCE OF GenericDeviceTableEntry
Access	Not accessible

Generic Device Table Entry

Name	genericDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1
Description	Defines the Generic Device Table entry.
Syntax	GenericDeviceTableEntry
Access	Not accessible
Index	genericDevicechassisIndex, genericDeviceIndex

Generic Device Chassis Index

Name	genericDevicechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Generic Device Index

Name	genericDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.2
Description	Defines the index of the generic device in this chassis.
Syntax	DellObjectRange
Access	Read-only

Generic Device State Capabilities

Name	genericDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.3
Description	Defines the capabilities of the generic device.
Syntax	DellStateCapabilities
Access	Read-only

Generic Device State Settings

Name	genericDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.4
Description	Defines the state of the generic device.
Syntax	DellStateSettings
Access	Read-write

Generic Device Status

Name	genericDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.5
Description	Defines the status of the generic device.
Syntax	DellStatus
Access	Read-only

Generic Device System Slot Index Reference

Name	genericDeviceSystemSlotIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.6
Description	Defines the index of the system slot into which this generic device is plugged.
Syntax	DellObjectRange
Access	Read-only

Generic Device Type

Name	genericDeviceType
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.7
Description	Defines the type of the generic device.
Syntax	DellGenericDeviceType (See Table 14-18)
Access	Read-only

Generic Device Name

Name	genericDeviceName
Object ID	1.3.6.1.4.1.674.10892.1.1100.70.1.8
Description	Defines the name of the generic device.
Syntax	DellString
Access	Read-only

PCI Device Table

Name	pCIDeviceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.80
Description	Defines the PCI Device Detail Table.
Syntax	SEQUENCE OF PCIDeviceTableEntry
Access	Not accessible

PCI Device Table Entry

Name	pCIDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1
Description	Defines the PCI Device Table entry.
Syntax	Not accessible
Access	PCIDeviceTableEntry
Index	pCIDevicechassisIndex, pCIDeviceIndex

PCI Device Chassis Index

Name	pCIDevicechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	Read-only
Access	DellObjectRange

PCI Device Index

Name	pCIDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.2
Description	Defines the index (one-based) of the PCI device in this chassis.
Syntax	DellObjectRange
Access	Read-only

PCI Device State Capabilities

Name	pCIDeviceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.3
Description	Defines the capabilities of the PCI device.
Syntax	DellStateCapabilities
Access	Read-only

PCI Device State Settings

Name	pCIDeviceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.4
Description	Defines the state of the PCI device.
Syntax	DellStateSettings
Access	Read-write

PCI Device Status

Name	pCIDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.5
Description	Defines the status of the PCI device.
Syntax	DellStatus
Access	Read-only

PCI Device System Slot Index Reference

Name	pCIDeviceSystemSlotIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.6
Description	Defines the index number of the system slot that this PCI device is in.
Syntax	DellObjectRange
Access	Read-only

PCI Device Data Bus Width

Name	pCIDeviceDataBusWidth
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.7
Description	Defines the bus width of the PCI device in this chassis.
Syntax	DellUnsigned32BitRange
Access	Read-only

PCI Device Manufacturer Name

Name	pCIDeviceManufacturerName
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.8
Description	Defines the name of the PCI device manufacturer.
Syntax	DellString
Access	Read-only

PCI Device Description Name

Name	pCIDeviceDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.9
Description	Defines the descriptive name of the PCI device.
Syntax	DellString
Access	Read-only

PCI Device Speed

Name	pCIDeviceSpeed
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.10
Description	Defines the bus speed in MHz of the PCI device in this chassis. A zero (0) indicates that the speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

PCI Device Adapter Fault

Name	pCIDeviceAdapterFault
Object ID	1.3.6.1.4.1.674.10892.1.1100.80.1.11
Description	Defines whether the PCI device in this chassis has detected a fault.
Syntax	DellBoolean
Access	Read-only

PCI Device Configuration Space Table

Name	pCIDeviceConfigurationSpaceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.82
Description	Defines the PCI Device Configuration Table.
Syntax	SEQUENCE OF PCIDeviceConfigurationSpaceTableEntry
Access	Not accessible

PCI Device Configuration Space Table Entry

Name	pCIDeviceConfigurationSpaceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1
Description	Defines the PCI Device Configuration Table entry.
Syntax	PCIDeviceConfigurationSpaceTableEntry
Access	Not accessible
Index	pCIDeviceConfigurationSpacechassisIndex, pCIDeviceConfigurationSpaceIndex

PCI Device Configuration Space Chassis Index

Name	pCIDeviceConfigurationSpacechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

PCI Device Configuration Space Index

Name	pCIDeviceConfigurationSpaceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.2
Description	Defines the index (one-based) of the PCI device configuration in this chassis.
Syntax	DellObjectRange
Access	Read-only

PCI Device Configuration Space State Capabilities

Name	pCIDeviceConfigurationSpaceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.3
Description	Defines the capabilities of the PCI device configuration.
Syntax	DellStateCapabilities
Access	Read-only

PCI Device Configuration Space State Settings

Name	pCIDeviceConfigurationSpaceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.4
Description	Defines the state of the PCI device configuration.
Syntax	DellStateSettings
Access	Read-write

PCI Device Configuration Space Status

Name	pCIDeviceConfigurationSpaceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.5
Description	Defines the status of the PCI device configuration.
Syntax	DellStatus
Access	Read-only

PCI Device Index Reference

Name	pCIDeviceIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.6
Description	Defines the index number of PCI device that this configuration applies to.
Syntax	DellObjectRange
Access	Read-only

PCI Device Configuration Space Bus Number

Name	pCIDeviceConfigurationSpaceBusNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.7
Description	Defines the bus number of the PCI device configuration in this chassis.
Syntax	DellUnsigned32BitRange
Access	Read-only

PCI Device Configuration Space Device Number

Name	pCIDeviceConfigurationSpaceDeviceNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.8
Description	Defines the device number of the PCI device in this chassis.
Syntax	DellUnsigned32BitRange
Access	Read-only

PCI Device Configuration Space Function Number

Name	pCIDeviceConfigurationSpaceFunctionNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.9
Description	Defines the function number of the PCI device in this chassis.
Syntax	DellUnsigned32BitRange
Access	Read-only

PCI Device Configuration Space Header

Name	pCIDeviceConfigurationSpaceHeader
Object ID	1.3.6.1.4.1.674.10892.1.1100.82.1.10
Description	Defines the common configuration space header of the PCI device.
Syntax	Octet String (SIZE(0..1025))
Access	Read-only

Network Device Table

Name	networkDeviceTable
Object ID	1.3.6.1.4.1.674.10892.1.1100.90
Description	Defines the Network Device Table.
Syntax	SEQUENCE OF NetworkDeviceTableEntry
Access	Not accessible

Network Device Table Entry

Name	networkDeviceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1
Description	Defines the Network Device Table Entry.
Syntax	NetworkDeviceTableEntry
Access	Not accessible
Index	networkDeviceChassisIndex, networkDeviceIndex

Network Device Chassis Index

Name	networkDeviceChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.1
Description	Defines the index (one-based) of the chassis that contains the network device.
Syntax	DellObjectRange
Access	Read-only

Network Device Index

Name	networkDeviceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.2
Description	Defines the index (one-based) of the network device.
Syntax	DellObjectRange
Access	Read-only

Network Device Status

Name	networkDeviceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.3
Description	Defines the status of the network device.
Syntax	DellStatus
Access	Read-only

Network Device Connection Status

Name	networkDeviceConnectionStatus
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.4
Description	Defines the connection status of the network device.
Syntax	DellNetworkDeviceConnectionStatus (see Table 14-20)
Access	Read-only

Network Device Description Name

Name	networkDeviceDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.5
Description	Defines the description of the network device.
Syntax	DellString
Access	Read-only

Network Device Product Name

Name	networkDeviceProductName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.6
Description	Defines the product name of the network device.
Syntax	DellString
Access	Read-only

Network Device Vendor Name

Name	networkDeviceVendorName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.7
Description	Defines the name of the vendor of the network device.
Syntax	DellString
Access	Read-only

Network Device Service Name

Name	networkDeviceServiceName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.8
Description	Defines the service name of the network device.
Syntax	DellString
Access	Read-only

Network Device Driver Image Path Name

Name	networkDeviceDriverImagePathName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.9
Description	Defines the path to the binary image of the driver for the network device.
Syntax	DellString
Access	Read-only

Network Device Driver Version Name

Name	networkDeviceDriverVersionName
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.10
Description	Defines the version of the driver for the network device.
Syntax	DellString
Access	Read-only

Network Device IP Address

Name	networkDeviceIPAddress
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.11
Description	Defines the IP address of the network device.
Syntax	IpAddress
Access	Read-only

Network Device IP Subnet Mask

Name	networkDeviceIPSubnetMask
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.12
Description	Defines the IP subnet mask for the IP address currently assigned to the network device.
Syntax	IpAddress
Access	Read-only

Network Device Default Gateway IP Address

Name	networkDeviceDefaultGatewayIPAddress
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.13
Description	Defines the IP address of the default gateway for the network device.
Syntax	IpAddress
Access	Read-only

Network Device DHCP Server IP Address

Name	networkDeviceDHCPServerIPAddress
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.14
Description	Defines the IP address of the DHCP server that was used to obtain the IP address of the network device if DHCP was used to configure the network device.
Syntax	IpAddress
Access	Read-only

Network Device Current MAC Address

Name	networkDeviceCurrentMACAddress
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.15
Description	Defines the current MAC address of the network device.
Syntax	DellMACAddress
Access	Read-only

Network Device Permanent MAC Address

Name	networkDevicePermanentMACAddress
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.16
Description	Defines the permanent MAC address of the network device.
Syntax	DellMACAddress
Access	Read-only

Network Device PCI Bus Number

Name	networkDevicePCIBusNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.17
Description	Defines the PCI bus number of the network device.
Syntax	DellUnsigned8BitRange
Access	Read-only

Network Device PCI Device Number

Name	networkDevicePCIDeviceNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.18
Description	Defines the PCI device number of the network device.
Syntax	DellUnsigned8BitRange
Access	Read-only

Network Device PCI Function Number

Name	networkDevicePCIFunctionNumber
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.19
Description	Defines the PCI function number of the network device.
Syntax	DellUnsigned8BitRange
Access	Read-only

Network Device IRQ

Name	networkDeviceIRQ
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.20
Description	Defines the interrupt request number of the network device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Network Device Base IO Port Address

Name	`networkDeviceBaseIOPortAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.21
Description	Defines the base input/outport port address of the network device.
Syntax	DellUnsigned32BitRange
Access	Read-only

Network Device Teaming Flags

Name	`networkDeviceTeamingFlags`
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.22
Description	Defines the teaming features of the network device.
Syntax	DellNetworkDeviceTeamingFlags (see Table 14-21)
Access	Read-only

Network Device TOE Capability Flags

Name	`networkDeviceTOECapabilityFlags`
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.23
Description	Defines the TCP/IP Offload Engine (TOE) capability flags of the network device.
Syntax	DellNetworkDeviceTOECapabilityFlags (see Table 14-22)
Access	Read-only

Network Device TOE Enabled

Name	`networkDeviceTOEEnabled`
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.24
Description	Defines if TOE is enabled for the network device.
Syntax	DellBoolean
Access	Read-only

Network Device RDMA Capability Flags

Name	networkDeviceRDMACapabilityFlags
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.25
Description	Defines the Remote Direct Memory Access (RDMA) capability flags of the network device.
Syntax	DellNetworkDeviceRDMACapabilityFlags (see Table 14-23)
Access	Read-only

Network Device RDMA Enabled

Name	networkDeviceRDMAEnabled
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.26
Description	Defines if RDMA is enabled for the network device.
Syntax	DellBoolean
Access	Read-only

Network Device iSCSI Capability Flags

Name	networkDeviceiSCSICapabilityFlags
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.27
Description	Defines the Internet Small Computer System Interface (iSCSI) capability flags of the network device.
Syntax	DellNetworkDeviceiSCSICapabilityFlags (see Table 14-24)
Access	Read-only

Network Device iSCSI Enabled

Name	networkDeviceiSCSIEnabled
Object ID	1.3.6.1.4.1.674.10892.1.1100.90.1.28
Description	Defines if iSCSI is enabled for the network device.
Syntax	DellBoolean
Access	Read-only

Managed System Services Device Table

Name	managedSystemServicesDeviceTable
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

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, managedSystemServicesDeviceIndex

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

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

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

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 Table 14-25
Access	Read-only

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

Managed System Services Device Storage Size

Name	managedSystemServicesDeviceStorageSize
Object ID	1.3.6.1.4.1.674.10892.1.1100.100.1.6
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

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

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

Name	sdCardUnitTableEntry
Index	sdCardUnitChassisIndex, sdCardUnitIndex

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

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

SD Card Unit State Capabilities

Name	sdCardUnitStateCapabilities
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

SD Card Unit State Settings

Name	sdCardUnitStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1100.110.1.4

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

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

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

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

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

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

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

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

Name	sdCardDeviceChassisIndex
Access	Read-only

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

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

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

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

Name	sdCardDeviceConfigCapabilities
Access	Read-only

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

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

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

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

Name	sdCardDeviceCardState
Access	Read-only

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

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

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

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 14-1. Pointing Device Type

Variable Name: DellPointingDeviceType

Data Type: Integer

Possible Data Values	Meaning of Data Value
deviceTypeIsOther(1)	Device type is not one of the following:
deviceTypeIsUnknown(2)	Device type is unknown.
deviceTypeIsAMouse(3)	Device type is a mouse.
deviceTypeIsATrackBall(4)	Device type is a track ball.
deviceTypeIsATrackPoint(5)	Device type is a track point.
deviceTypeIsAGlidePoint(6)	Device type is a glide point.

Table 14-1. Pointing Device Type *(continued)*

Variable Name: `DellPointingDeviceType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeIsATouchPad(7)`	Device type is a touch pad.

Table 14-2. Processor Device Status State

Variable Name: `DellProcessorDeviceStatusState`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`other(1)`	Processor device type is not one of the following:
`unknown(2)`	Device type is unknown.
`enabled(3)`	Device is enabled.
`userDisabled(4)`	Device is disabled by the user.
`biosDisabled(5)`	Device has its BIOS disabled.
`idle(6)`	Device is idle.

Table 14-3. Processor Device Status Reading

Variable Name: `DellProcessorDeviceStatusReading`	
Data Type: `Integer`	
NOTE: These values are bit masks, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
`internalError(1)`	The processor experienced an internal error
`thermalTrip(2)`	The processor experienced a thermal trip
`configurationError(32)`	The processor experienced a configuration error
`processorPresent(128)`	The processor is present

Table 14-3. Processor Device Status Reading *(continued)*

Variable Name: `DellProcessorDeviceStatusReading`	
Data Type: `Integer`	
NOTE: These values are bit masks, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
`processorDisabled(256)`	The processor is disabled
`terminatorPresent(512)`	The terminator is Present
`processorThrottled(1024)`	The processor is throttled

Table 14-4. Processor Device Type

Variable Name: `DellProcessorDeviceType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeIsOther(1)`	The processor device type is not one of the following values:
`deviceTypeIsUnknown(2)`	The processor device type is unknown.
`deviceTypeIsCPU(3)`	The processor device type is a central processing unit.
`deviceTypeIsMathProcessor(4)`	The processor device type is a math processor.
`deviceTypeIsDSP(5)`	The processor device type is a digital signal processor.
`deviceTypeIsAVideoProcessor(6)`	The processor device is a video processor.

Table 14-5. Processor Upgrade Information

Variable Name: `DellProcessorUpgradeInformation` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`processorUpgradeIsOther(1)`	The upgrade device type is not one of the following:
`processorUpgradeIsUnknown(2)`	Upgrade device type is unknown.
`processorUpgradeIsByDaughterBoard(3)`	Upgrade device is on a daughter board.
`processorUpgradeIsByZIFSocket(4)`	Upgrade device is in a zero insertion force (ZIF) socket.
`processorUpgradeIsByReplacement(5)`	Upgrade device is a replacement.
`processorUpgradeIsNone(6)`	There is no upgrade device.
`processorUpgradeIsByLIFSocket(7)`	Upgrade device is in a low insertion force (LIF) socket.
`processorUpgradeIsBySlot1(8)`	Upgrade device is a SLOT 1 processor.
`processorUpgradeIsBySlot2(9)`	Upgrade device is a SLOT 2 processor.
`processorUpgradeIsBy370PinSocket(10)`	Upgrade device is a 370 pin socket.
`processorUpgradeIsBySlotA(11)`	Upgrade is by Slot A.
`processorUpgradeIsBySlotM(12)`	Upgrade is by Slot M.
`processorUpgradeIsByScoket423(13)`	Upgrade is by Socket 423.
`processorUpgradeIsBySocketA(14)`	Upgrade is by Socket A (Socket 462).
`processorUpgradeIsBySocket478(15)`	Upgrade is by Socket 478.
`processorUpgradeIsBySocket754(16)`	Upgrade is by Socket 754.
`processorUpgradeIsBySocket940(17)`	Upgrade is by Socket 940.

Table 14-5. Processor Upgrade Information *(continued)*

Variable Name: `DellProcessorUpgradeInformation`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 14-6. Processor Device Family

Variable Name: `DellProcessorDeviceFamily`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceFamilyIsOther(1)`	The processor family is not one of the following values.
`deviceFamilyIsUnknown(2)`	The processor family is unknown.
`deviceFamilyIs8086(3)`	The processor family is 8086.
`deviceFamilyIs80286(4)`	The processor family is 80286.
`deviceFamilyIs80386(5)`	The processor family is 80386.
`deviceFamilyIs80486(6)`	The processor family is 80486.
`deviceFamilyIS8087(7)`	The processor family is 8087.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIs80287(8)`	The processor family is 80287.
`deviceFamilyIs80387(9)`	The processor family is 80387.
`deviceFamilyIs80487(10)`	The processor family is 80487.
`deviceFamilyIsPentium(11)`	The processor family is Intel Pentium.
`deviceFamilyIsPentiumPro(12)`	The processor family is Pentium Pro.
`deviceFamilyIsPentium2(13)`	The processor family is Pentium II.
`deviceFamilyIsPentiumMMX(14)`	The processor family is Pentium MMX.
`deviceFamilyIsCeleron(15)`	The processor family is Celeron.
`deviceFamilyIsXeon(16)`	The processor family is Xeon.
`deviceFamilyIsPentium3(17)`	The processor family is Pentium III.
`deviceFamilyIsPentium3Xeon(18)`	The processor family is Pentium III Xeon.
`deviceFamilyIsPentium3Step(19)`	The processor family is Pentium III Speed Step.
`deviceFamilyIsPentiumItanium (20)`	The processor family is Itanium.
`deviceFamilyIsIntelXeon(21)`	The processor family is Intel Xeon.
`deviceFamilyIsPentium4(22)`	The processor family is Pentium 4.
`deviceFamilyIsIntelXeonMP(23)`	The processor family is Intel Xeon MP.
`deviceFamilyIsIntelItanium2(24)`	The processor family is Intel Itanium 2.
`deviceFamilyIsK5(25)`	The processor family is K5.
`deviceFamilyIsK6(26)`	The processor family is K6.
`deviceFamilyIsK6-2(27)`	The processor family is K6-2.
`deviceFamilyIsK6-3(28)`	The processor family is K6-3.
`deviceFamilyIsAMDAthlon(29)`	The processor family is AMD Athlon.
`deviceFamilyIsAMD2900(30)`	The processor family is AMD2900.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`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.
`deviceFamilyIsIntelCoreSoloMob 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.
`deviceFamilyIsAlpha21164PC(52)`	The processor family is Alpha 21164PC.
`deviceFamilyIsAlpha21164a(53)`	The processor family is Alpha 21164a.
`deviceFamilyIsAlpha21264(54)`	The processor family is Alpha 21264.
`deviceFamilyIsAlpha21364(55)`	The processor family is Alpha 21364.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsAMDTurionIIUltraDualMobileM(56)`	The processor family is AMD Turion II Ultra Dual-Core Mobile M Processor Family.
`deviceFamilyIsAMDTurionIIDualMobileM(57)`	The processor family is AMD Turion II Dual-Core Mobile M Processor Family.
`deviceFamilyIsAMDAthlonIIDualMobileM(58)`	The processor family is AMD Athlon II Dual-Core Mobile M Processor Family.
`deviceFamilyIsAMDOpteron6100(59)`	The processor family is AMD Opteron 6100 Series Processor.
`deviceFamilyIsAMDOpteron4100(60)`	The processor family is AMD Opteron 4100 Series Processor.
`deviceFamilyIsAMDOpteron6200(61)`	The processor family is AMD Opteron 6200 Series Processor.
`deviceFamilyIsAMDOpteron4200(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.
`deviceFamilyIsmicroSPARCII(82)`	The processor family is microSPARC II.
`deviceFamilyIsmicroSPARCIIep(83)`	The processor family is microSPARC IIep.
`deviceFamilyIsUltraSPARC(84)`	The processor family is UltraSPARC.
`deviceFamilyIsUltraSPARCII(85)`	The processor family is UltraSPARC II.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsUltraSPARCIIi(86)`	The processor family is UltraSPARC IIi.
`deviceFamilyIsUltraSPARCIII(87)`	The processor family is UltraSPARC III.
`deviceFamilyIsUltraSPARCIIIi (88)`	The processor family is UltraSPARC IIIi.
`deviceFamilyIs68040(96)`	The processor family is 68040 Family.
`deviceFamilyIs68xxx(97)`	The processor family is 68xxx.
`deviceFamilyIs68000(98)`	The processor family is 68000.
`deviceFamilyIs68010(99)`	The processor family is 68010.
`deviceFamilyIs68020(100)`	The processor family is 68020.
`deviceFamilyIs68030(101)`	The processor family is 68030.
`deviceFamilyIsHobbit(112)`	The processor family is Hobbit.
`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(13 0)`	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.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsAMDAthlon64X2DualCore(136)`	The processor family is AMD Athlon 64 X2 Dual-Core.
`deviceFamilyIsAMDTurion64X2Mobile(137)`	The processor family is AMD Turion 64 X2 Mobile Technology.
`deviceFamilyIsQuadCoreAMDOpteron(138)`	The processor family is Quad-Core AMD Opteron.
`deviceFamilyIsThirdGenerationAMDOpteron(139)`	The processor family is third-generation AMD Opteron.
`deviceFamilyIsAMDPhenomFXQuadCore(140)`	The processor family is AMD Phenom FX Quad-Core.
`deviceFamilyIsAMDPhenomX4QuadCore(141)`	The processor family is AMD Phenom X4 Quad-Core.
`deviceFamilyIsAMDPhenomX2DualCore(142)`	The processor family is AMD Phenom X2 Dual-Core.
`deviceFamilyIsAMDAthlonX2DualCore(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.
`deviceFamilyIsPA-RISC7300LC(147)`	The processor family is PA-RISC 7300LC.
`deviceFamilyIsPA-RISC7200(148)`	The processor family is PA-RISC 7200.
`deviceFamilyIsPA-RISC7100LC(149)`	The processor family is PA-RISC 7100LC.
`deviceFamilyIsPA-RISC7100(150)`	The processor family is PA-RISC 7100.
`deviceFamilyIsV30(160)`	The processor family is V30.
`deviceFamilyIsQuadCoreIntelXeon3200(161)`	The processor family is Quad-Core Intel Xeon processor 3200 Series.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsDualCoreIntelXeon3000(162)`	The processor family is Dual-Core Intel Xeon processor 3000 Series.
`deviceFamilyIsQuadCoreIntelXeon5300(163)`	The processor family is Quad-Core Intel Xeon processor 5300 Series.
`deviceFamilyIsDualCoreIntelXeon5100(164)`	The processor family is Dual-Core Intel Xeon processor 5100 Series.
`deviceFamilyIsDualCoreIntelXeon5000(165)`	The processor family is Dual-Core Intel Xeon processor 5000 Series.
`deviceFamilyIsDualCoreIntelXeonLV(166)`	The processor family is Dual-Core Intel Xeon processor LV.
`deviceFamilyIsDualCoreIntelXeonULV(167)`	The processor family is Dual-Core Intel Xeon processor ULV.
`deviceFamilyIsDualCoreIntelXeon7100(168)`	The processor family is Dual-Core Intel Xeon processor 7100 Series.
`deviceFamilyIsQuadCoreIntelXeon5400(169)`	The processor family is Quad-Core Intel Xeon processor 5400 Series.
`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.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`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.
`deviceFamilyIsIntelPentiumExtr eme(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.
`deviceFamilyIsIntelCore2Extrem e(193)`	The processor family is Intel Core2 Extreme processor.
`deviceFamilyIsIntelCore2Quad (194)`	The processor family is Intel Core2 Quad processor.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsIntelCore2ExtremeMobile(195)`	The processor family is Intel Core2 Extreme mobile processor.
`deviceFamilyIsIntelCore2DuoMobile(196)`	The processor family is Intel Core2 Duo mobile processor.
`deviceFamilyIsIntelCore2SoloMobile(197)`	The processor family is Intel Core2 Solo mobile processor.
`deviceFamilyIsIntelCorei7(198)`	The processor family is Intel Core i7 processor.
`deviceFamilyIsDualCoreIntelCeleron(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(203)`	The processor family is ESA/390 G6.
`deviceFamilyIszArchitectur(204)`	The processor family is z/Architectur base.
`deviceFamilyIsIntelCorei5(205)`	The processor family is Intel Core i5 processor.
`deviceFamilyIsIntelCorei3(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(213)`	The processor family is VIA Eden.
`deviceFamilyIsMultiCoreIntelXeon(214)`	The processor family is Multi-Core Intel Xeon processor.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsDualCoreIntelXeon3xxx(215)`	The processor family is Dual-Core Intel Xeon processor 3xxx Series.
`deviceFamilyIsQuadCoreIntelXeon3xxx(216)`	The processor family is Quad-Core Intel Xeon processor 3xxx Series.
`deviceFamilyIsVIANano(217)`	The processor family is VIA Nano.
`deviceFamilyIsDualCoreIntelXeon5xxx(218)`	The processor family is Dual-Core Intel Xeon processor 5xxx Series.
`deviceFamilyIsQuadCoreIntelXeon5xxx(219)`	The processor family is Quad-Core Intel Xeon processor 5xxx Series.
`deviceFamilyIsDualCoreIntelXeon7xxx(221)`	The processor family is Dual-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsQuadCoreIntelXeon7xxx(222)`	The processor family is Quad-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsMultiCoreIntelXeon7xxx(223)`	The processor family is Multi-Core Intel Xeon processor 7xxx Series.
`deviceFamilyIsMultiCoreIntelXeon3400(224)`	The processor family is Multi-Core Intel Xeon processor 3400 Series.
`deviceFamilyIsEmbeddedAMDOpertonQuadCore(230)`	The processor family is Embedded AMD Opteron Quad-Core.
`deviceFamilyIsAMDPhenomTripleCore(231)`	The processor family is AMD Phenom Triple-Core.
`deviceFamilyIsAMDTurionUltraDualCoreMobile(232)`	The processor family is AMD Turion Ultra Dual-Core mobile processor.
`deviceFamilyIsAMDTurionDualCoreMobile(233)`	The processor family is AMD Turion Dual-Core mobile processor.
`deviceFamilyIsAMDAthlonDualCore(234)`	The processor family is AMD Athlon Dual-Core.
`deviceFamilyIsAMDSempronSI(235)`	The processor family is AMD Sempron SI.

Table 14-6. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceFamilyIsAMDPhenomII(236)`	The processor family is AMD Phenom II.
`deviceFamilyIsAMDAthlonII(237)`	The processor family is AMD Athlon II.
`deviceFamilyIsSixCoreAMDOpteron(238)`	The processor family is Six-Core AMD Opteron.
`deviceFamilyIsAMDSempronM(239)`	The processor family is AMD Sempron M.
`deviceFamilyIsi860(250)`	The processor family is i860.
`deviceFamilyIsi960(251)`	The processor family is i960.

Table 14-7. Cache Device Type

Variable Name: `DellCacheDeviceType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeIsOther(1)`	System cache type is not one of the following:
`deviceTypeIsUnknown(2)`	System cache type is unknown.
`deviceTypeIsInstruction(3)`	System cache type is instruction.
`deviceTypeIsData(4)`	System cache type is data.
`deviceTypeIsUnified(5)`	System cache type is both instruction and data.

Table 14-8. Cache Device Level

Variable Name: DellCacheDeviceLevel **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceLevelIsOther(1)	Device level is not one of the following:
deviceLevelIsUnknown(2)	Device level is unknown.
deviceLevelIsPrimary(3)	Device level is primary.
deviceLevelIsSecondary(4)	Device level is secondary.
deviceLevelIsTertiary(5)	Device level is tertiary.

Table 14-9. Cache Device Write Policy

Variable Name: DellCacheDeviceWritePolicy **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceWritePolicyIsOther(1)	Device write policy is not one of the following:
deviceWritePolicyIsUnknown(2)	Device write policy is unknown.
deviceWritePolicyIsWriteBack(3)	Device write policy is write back.
deviceWritePolicyIsWriteThrough(4)	Device write policy is write through.
deviceWritePolicyIsVariesByAddress(5)	Device write policy varies by address.
deviceWritePolicyIsDeterminedByIO(6)	Device write policy is determined by I/O query.

Table 14-10. Cache Device Status State

Variable Name: DellCacheDeviceStatusState **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
other(1)	Device state is not one of the following:
unknown(2)	Device state is unknown.
enabled(3)	Device is enabled.
userDisabled(4)	Device is disabled by the user.
biosDisabled(5)	Device basic input/output system (BIOS) is disabled.

Table 14-11. Cache Device ECC Type

Variable Name: DellPointingDeviceType **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceTypeIsOther(1)	Device type is not one of the following:
deviceTypeIsUnknown(2)	Device type is unknown.
deviceTypeIsAMouse(3)	Device type is a mouse.
deviceTypeIsATrackBall(4)	Device type is a track ball.
deviceTypeIsATrackPoint(5)	Device type is a track point.
deviceTypeIsAGlidePoint(6)	Device type is a glide point.
deviceTypeIsATouchPad(7)	Device type is a touch pad.

Table 14-12. Cache Device Associativity

Variable Name: DellCacheDeviceAssociativity **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceAssociativityIsOther(1)	Device associativity is not one of the following:

Table 14-12. Cache Device Associativity *(continued)*

Variable Name: DellCacheDeviceAssociativity **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceAssociativityIsUnknown(2)	Device associativity is unknown.
deviceAssociativityIsDirectMapped(3)	Device is direct mapped.
deviceAssociativityIsTwoWaySetAssociative(4)	Device is two-way set associative.
deviceAssociativityIsFourWaySetAssociative(5)	Device is four-way set associative.
deviceAssociativityIsFullyAssociative(6)	Device is fully associative.
deviceAssociativityIsEightWaySetAssociative(7)	Device is eight-way set associative.
deviceAssociativityIsSixteenWaySetAssociative(8)	Device is sixteen-way set associative.
deviceAssociativityIs12WaySetAssociative(9)	Device is 12-way Set-Associative.
deviceAssociativityIs24WaySetAssociative(10)	Device is 24-way Set-Associative.
deviceAssociativityIs32WaySetAssociative(11)	Device is 32-way Set-Associative.
deviceAssociativityIs48WaySetAssociative(12)	Device is 48-way Set-Associative.
deviceAssociativityIs64WaySetAssociative(13)	Device is 64-way Set-Associative.

Table 14-13. Cache Device Location

Variable Name: `DellCacheDeviceLocation` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceLocationIsOther(1)`	Device location is not one of the following:
`deviceLocationIsUnknown(2)`	Device location is unknown.
`deviceLocationIsInternal(3)`	Device location is internal.
`deviceLocationIsExternal(4)`	Device location is external.

Table 14-14. Cache Device Static Random-Access Memory (SRAM) Type

Variable Name: `DellCacheDeviceSRAMType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceSRAMTypeIsOther(1)`	Device SRAM type is not one of the following:
`deviceSRAMTypeIsUnknown(2)`	Device SRAM type is unknown.
`deviceSRAMTypeIsNonBurst(3)`	Device SRAM type is nonburst.
`deviceSRAMTypeIsBurst(4)`	Device SRAM type is burst.
`deviceSRAMTypeIsPipeBurst(5)`	Device SRAM type is pipeburst.
`deviceSRAMTypeIsSynchronous(6)`	Device SRAM type is synchronous.
`deviceSRAMTypeIsAsynchronous(7)`	Device SRAM type is asynchronous.

Table 14-15. Memory Device Type Form Factor

Variable Name: `DellMemoryDeviceFormFactor` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceFormFactorIsOther(1)`	Device form factor is not one of the following:

Table 14-15. Memory Device Type Form Factor *(continued)*

Variable Name: DellMemoryDeviceFormFactor **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
deviceFormFactorIsUnknown(2)	Device form factor is unknown.
deviceFormFactorIsSIMM(3)	Device form factor is SIMM.
deviceFormFactorIsSIP(4)	Device form factor is SIP.
deviceFormFactorIsAChip(5)	Device form factor is a chip.
deviceFormFactorIsDIP(6)	Device form factor is DIP.
deviceFormFactorIsZIP(7)	Device form factor is ZIP.
deviceFormFactorIsAProprietaryCard(8)	Device form factor is a proprietary card.
deviceFormFactorIsDIMM(9)	Device form factor is DIMM.
deviceFormFactorIsTSOP(10)	Device form factor is TSOP.
deviceFormFactorIsARowOfChips(11)	Device form factor is a row of chips.
deviceFormFactorIsRIMM(12)	Device form factor is RIMM.
deviceFormFactorIsSODIMM(13)	Device form factor is SODIMM.
deviceFormFactorIsSRIMM(14)	Device form factor is SRIMM.
deviceFormFactorIsFBDIMM(15)	Device form factor is FB-DIMM.

Table 14-16. 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.

Table 14-16. Memory Device Type *(continued)*

Variable Name: `DellMemoryDeviceType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeIsVRAM(5)`	Device type is VRAM.
`deviceTypeIsSRAM(6)`	Device type is SRAM.
`deviceTypeIsRAM(7)`	Device type is RAM.
`deviceTypeIsROM(8)`	Device type is ROM.
`deviceTypeIsFLASH(9)`	Device type is FLASH.
`deviceTypeIsEEPROM(10)`	Device type is EEPROM.
`deviceTypeIsFEPROM(11)`	Device type is FEPROM.
`deviceTypeIsEPROM(12)`	Device type is EPROM.
`deviceTypeIsCDRAM(13)`	Device type is CDRAM.
`deviceTypeIs3DRAM(14)`	Device type is 3DRAM.
`deviceTypeIsSDRAM(15)`	Device type is SDRAM.
`deviceTypeIsSGRAM(16)`	Device type is SGRAM.
`deviceTypeIsRDRAM(17)`	Device type is RDRAM.
`deviceTypeIsDDR(18)`	Device type is DDR.
`deviceTypeIsDDR2(19)`	Device type is DDR2.
`deviceTypeIsDDR2FBDIMM(20)`	Device type is DDR2 FB-DIMM.
`deviceTypeIsDDR3(24)`	Device type is DDR3.
`deviceTypeIsFBD2(25)`	Device type is FBD2.

Table 14-17. 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.
`deviceTypeDetailIsNonVolatile (4096)`	The detailed device type is Non-volatile.
`deviceTypeDetailIsRegistered (8192)`	The detailed device type is registered.
`deviceTypeDetailIsNonRegister ed(16384)`	The detailed device type is non-registered.

Table 14-18. 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 14-19. Memory Device Failure Modes

Variable Name: `DellMemoryDeviceFailureModes`

Data Type: `Integer`

NOTE: These values are bit masks, so combination values are possible.

Possible Data Values	Meaning of Data Value
`(0)`	Memory device has no faults.
`eccSingleBitCorrectionWarningRate(1)`	Memory device has exceeded the Correctable Memory Event warning rate.
`eccSingleBitCorrectionFailureRate(2)`	Memory device has exceeded the Correctable Memory Event failure rate.
`eccMultiBitFault(4)`	Memory device has encountered an Uncorrectable Memory Event.

Table 14-19. Memory Device Failure Modes *(continued)*

Variable Name: `DellMemoryDeviceFailureModes`

Data Type: `Integer`

NOTE: These values are bit masks, so combination values are possible.

Possible Data Values	Meaning of Data Value
`eccSingleBitCorrectionLoggingDisabled(8)`	Correctable Memory Event logging for memory device has been disabled.
`deviceDisabledBySpareActivation(16)`	Memory device is disabled because of spare memory activation.

Table 14-20. Network Device Connection Status

Variable Name: `DellNetworkDeviceConnectionStatus`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`unknown(0)`	Unable to determine connection status.
`connected(1)`	Media reports that device is connected.
`disconnected(2)`	Media reports that device is disconnected.
`driverBad(3)`	Driver cannot be opened to determine status.
`driverDisabled(4)`	Driver is disabled.
`hardwareInitalizing(10)`	Hardware is initializing.
`hardwareResetting(11)`	Hardware is resetting.
`hardwareClosing(12)`	Hardware is closing down.
`hardwareNotReady(13)`	Hardware is not ready.

Table 14-21. Network Device Teaming Flags

Variable Name: `DellNetworkDeviceTeamingFlags` **Data Type:** `Integer` **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
`undefined(0)`	Teaming flags are undefined.
`noTeam(1)`	Device is not part of any team.
`teamingEnabled(2)`	Teaming is enabled.
`adapterFaultToleranceMode(4)`	Adapter fault tolerance teaming mode.
`loadBalancingMode(8)`	Load balancing teaming mode.

Table 14-22. Network Device TOE Capability Flags

Variable Name: `DellNetworkDeviceTOECapabilityFlags` **Data Type:** `Integer` **NOTE:** These values are bit fields, so combination values are possible.	
Possible Data Values	**Meaning of Data Value**
`none(0)`	Querying for TOE capability is not supported.
`unknown(1)`	Querying for TOE capability is supported but query returned an error.
`available(2)`	Device has TOE capability.
`notAvailable(4)`	Device does not have TOE capability.
`cannotBeDetermined(8)`	Querying for TOE capability is supported but an error prevented querying.
`driverNotResponding(16)`	Querying for TOE capability is supported but driver did not respond to query.

Table 14-23. Network Device RDMA Capability Flags

Variable Name: `DellNetworkDeviceRDMACapabilityFlags`

Data Type: `Integer`

NOTE: These values are bit fields, so combination values are possible.

Possible Data Values	Meaning of Data Value
`none(0)`	Querying for RDMA capability is not supported.
`unknown(1)`	Querying for RDMA capability is supported but query returned an error.
`available(2)`	Device has RDMA capability.
`notAvailable(4)`	Device does not have RDMA capability.
`cannotBeDetermined(8)`	Querying for RDMA capability is supported but an error prevented querying.
`driverNotResponding(16)`	Querying for RDMA capability is supported but driver did not respond to query.

Table 14-24. Network Device iSCSI Capability Flags

Variable Name: `DellNetworkDeviceiSCSICapabilityFlags`

Data Type: `Integer`

NOTE: These values are bit fields, so combination values are possible.

Possible Data Values	Meaning of Data Value
`none(0)`	Querying for iSCSI capability is not supported.
`unknown(1)`	Querying for iSCSI capability is supported but query returned an error.
`available(2)`	Device has iSCSI capability.
`notAvailable(4)`	Device does not have iSCSI capability.
`cannotBeDetermined(8)`	Querying for iSCSI capability is supported but an error prevented querying.
`driverNotResponding(16)`	Querying for iSCSI capability is supported but driver did not respond to query.

Table 14-25. 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 14-26. 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 14-27. 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 14-28. 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 14-29. 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.
`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 14-30. 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.

Variable Name: DellSDCardDeviceCardLicensed

Data Type: Integer

Possible Data Values	Meaning of Data Value
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.

15

Slot Group

The Slot Group provides information about the types of slots that your system supports. This management information base (MIB) group also provides information about the voltages, capabilities, states, and settings that are possible for these slots.

System Slot Group Table

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

System Slot Table

The following object sets up the System Slot Table:

Name	`systemSlotTable`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10
Description	Defines the System Slot Table.
Syntax	IntegerSystemStateTableEntry
Access	Not accessible

System Slot Table Entry

Name	`systemSlotTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1
Description	Defines the System Slot Table entry.
Syntax	IntegerSystemSlotTableEntry
Access	Not accessible
Index	systemSlotchassisIndex, systemSlotIndex

System Slot Chassis Index

Name	`systemSlotchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

System Slot Index

Name	`systemSlotIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.2
Description	Defines the index (one-based) of the system slot in this chassis.
Syntax	DellObjectRange
Access	Read-only

System Slot State Capabilities Unique

Name	`systemSlotStateCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.3
Description	Defines the capabilities of the system slot.
Syntax	DellSystemSlotStateCapabilities (See Table 15-1)
Access	Read-only

System Slot State Settings Unique

Name	`systemSlotStateSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.4
Description	Defines the state of the system slot.
Syntax	DellSystemSlotStateSettings (See Table 15-2)
Access	Read-only

System Slot Status

Name	`systemSlotStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.5
Description	Defines the status of the system slot.
Syntax	DellStatus
Access	Read-only

System Slot Current Usage

Name	`systemSlotCurrentUsage`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.6
Description	Defines the current usage of the system slot.
Syntax	DellStatus
Access	Read-only

System Slot Type

Name	`systemSlotType`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.7
Description	Defines the type of the system slot.
Syntax	DellSystemSlotType (See Table 15-3)
Access	Read-only

System Slot External Slot Name

Name	`systemSlotSlotExternalSlotName`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.8
Description	Defines the external connector name of the system slot.
Syntax	DellString
Access	Read-only

System Slot Length

Name	`systemSlotLength`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.9
Description	Defines the length of the system slot.
Syntax	DellSystemSlotLength (See Table 15-5)
Access	Read-only

System Slot Slot ID

Name	`systemSlotSlotID`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.10
Description	Defines the slot identification number of the system slot. A zero (0) indicates that the slot is embedded on the motherboard.
Syntax	DellUnsigned32BitRange
Access	Read-only

System Slot Category

Name	`systemSlotCategory`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.11
Description	Defines the system slot category.
Syntax	DellUnsigned32BitRange
Access	Read-only

System Slot Hot-Plug Bus Width

Name	`systemSlotHotPlugBusWidth`
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.12
Description	Defines the bus width of the hot-plug system slot.
Syntax	DellSystemSlotHotPlugBusWidth (See Table 15-7)
Access	Read-only

System Slot Hot-Plug Slot Speed

Name	systemSlotHotPlugSlotSpeed
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.13
Description	Defines the slot speed in megahertz of the hot-plug system slot. A zero (0) indicates that the slot speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

System Slot Hot-Plug Adapter Speed

Name	systemSlotHotPlugAdapterSpeed
Object ID	1.3.6.1.4.1.674.10892.1.1200.10.1.14
Description	Defines the adapter speed in megahertz of the hot-plug system slot. A zero (0) indicates that the slot speed is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

System Slot Variable Values

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

Table 15-1. System Slot State Capabilities

Variable Name: DellSystemSlotStateCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
systemSlotHotPlugIsUnknown (1)	The system slot's capabilities are unknown.
systemSlotHotPlugIsHotPluggableCapable(2)	The system slot supports hot-plug.
systemSlotHotPlugCanBePoweredOn(4)	The system slot power (and corresponding light-emitting diode [LED]) can be powered on.

Table 15-1. System Slot State Capabilities *(continued)*

Variable Name: `DellSystemSlotStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`systemSlotHotPlugCanSignalAttention(8)`	The system slot attention state (and corresponding LED) can be set.
`systemSlotHotPlugCanSignalPowerFault(16)`	Power on fault (and corresponding LED) can be detected due to a short or overcurrent.
`systemSlotHotPlugCanSignalAdapterPresent(32)`	Adapter (card) present in slot (may not be powered) can be detected.
`systemSlotHotPlugCanSignalPowerButtonPressed(64)`	The system slot power button can be pressed to signal a toggle of the power state.
`canSupportAllHotPlugCapabilities(126)`	The system slot can support all hot-plug capabilities.
`systemSlotHotPlugIsUnknown(1)`	The system slot's capabilities are unknown.
`systemSlotCanProvide5Volts(128)`	The system slot can provide a 5-volt (V) supply.
`systemSlotCanProvide3Point3Volts(256)`	The system slot can provide a 3.3-V supply.
`systemSlotCanSignalIfShared(512)`	The system slot's opening, if shared with another slot, can be detected.
`systemSlotCanSupportCard16(1024)`	The system slot can support PC Card-16.
`systemSlotCanSupportCardBus(2048)`	The system slot can support CardBus.
`systemSlotCanSupportZoomVideo(4096)`	The system slot can support Zoom Video.
`systemSlotCanSupportModemRingResume(8192)`	The system slot can support modem ring resume.
`systemSlotCanSupportPMESignal(16384)`	The system slot can support Power Management Enable (PME#) signal.
`canSupportAllSlotCapabilities(32640)`	The system slot can support all slot capabilities.

Table 15-2. System Slot State Settings

Variable Name: `DellSystemSlotStateSettings`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`systemSlotHotPlugIsUnknown(1)`	The system slot's capabilities are unknown.
`systemSlotHotPlugIsHotPluggable(2)`	The system slot supports hot-plug.
`systemSlotHotPlugIsPoweredOn(4)`	The system slot power (and corresponding LED) can be powered on.
`systemSlotHotPlugIsAtAttention(8)`	The system slot attention state (and corresponding LED) can be set.
`systemSlotHotPlugIsHotPluggable(2)`	The system slot supports hot-plug.
`systemSlotHotPlugIsPoweredOn(4)`	The system slot power (and corresponding LED) is on.
`systemSlotHotPlugIsAtAttention(8)`	The system slot attention state (and corresponding LED) is on.
`systemSlotHotPlugHasPowerFaulted (16)`	Power on fault (and corresponding LED) was detected due to a short or overcurrent.
`systemSlotHotPlugAdapterIsPresent (32)`	Adapter (card) present in slot (may not be powered).
`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.
`systemSlotIsShared(512)`	The slot's opening is shared with another slot.

Table 15-2. System Slot State Settings *(continued)*

Variable Name: `DellSystemSlotStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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.
`supportsPMEand3P3Vand5VandHotPlugg able(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 15-3. 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.

Table 15-3. System Slot Type *(continued)*

Variable Name: `DellSystemSlotType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`systemSlotIsPC98C20(18)`	The system slot is a PC-98/C20.
`systemSlotIsPC98C24(19)`	The system slot is a PC-98/C24.
`systemSlotIsPC98E(20)`	The system slot type is PC-98/E.
`systemSlotIsPC98LocalBus(21)`	The system slot type is a PC-98 local bus.
`systemSlotIsPC98Card(22)`	The system slot type is a PC-98 card.
`systemSlotIsPCIX(23)`	The system slot type is a PCIX card.
`systemSlotIsPCIExpress(24)`	The system slot type is a PCI Express card.
`systemSlotIsAGP8X(25)`	The system slot type is an AGP 8x card.
`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.

Table 15-3. System Slot Type *(continued)*

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

Table 15-4. System Slot Usage

Variable Name: DellSystemSlotUsage **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
systemSlotUsageIsOther(1)	The system slot usage is not one of following:
systemSlotUsageIsUnknown(2)	The system slot usage is unknown.
systemSlotUsageIsAvailable(3)	The system slot is available.
systemSlotUsageIsInUse(4)	The system slot is in use.

Table 15-5. System Slot Length

Variable Name: DellSystemSlotLength **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
systemSlotLengthIsOther(1)	The system slot length is not one of following:
systemSlotLengthIsUnknown(2)	The system slot length is unknown.
systemSlotLengthIsShort(3)	The system slot length is short.
systemSlotLengthIsLong(4)	The system slot length is long.

Table 15-6. System Slot Category

Variable Name: `DellSystemSlotCategory`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`systemSlotCategoryIsOther(1)`	The system slot category is not one of following:
`systemSlotCategoryIsUnknown(2)`	The system slot category is unknown.
`systemSlotCategoryIsBusConnector(3)`	The system slot is a bus connector.
`systemSlotCategoryIsPCMCIA(4)`	The system slot category is PCMCIA.
`systemSlotCategoryIsMotherboard(5)`	The system slot is a motherboard.

Table 15-7. 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.

Table 15-7. Hot-Plug Bus Width *(continued)*

Variable Name: `DellSystemSlotHotPlugBusWidth` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`busWidthIs12xOrx12(12)`	The system slot bus width is 12x or x12.
`busWidthIs16xOrx16(13)`	The system slot bus width is 16x or x16.
`busWidthIs32xOrx32(14)`	The system slot bus width is 32x or x32.

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

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

16

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" on page 369
- "Physical Memory Array Mapped Table" on page 374
- "Physical Memory Configuration Table" on page 377
- "Physical Memory Logging Table" on page 379
- "Redundant Memory Unit Table" on page 381
- "Physical Memory Card Table" on page 384

Physical Memory Array Table

The physical memory array is the entire physical memory of a system. The example that follows shows variable values for a system that has one 128-megabyte (MB) dual in-line memory module (DIMM):

- physicalMemoryArrayMaximumSize = 2,097,152 kilobytes (KB) or 2 gigabytes (GB)
- physicalMemoryArrayTotalNumberSockets = 4 (the example system has four DIMM slots on the motherboard)
- physicalMemoryArrayInUseNumberSockets = 1 (there is only one DIMM installed)

The following object sets up the Physical Memory Array Table:

Name	`physicalMemoryArrayTable`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10
Description	Defines the Physical Memory Array Table.
Syntax	PhysicalMemoryArrayTableEntry
Access	Not accessible

Physical Memory Array Table Entry

Name	`physicalMemoryArrayTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1
Description	Defines the Physical Memory Array Table entry.
Syntax	PhysicalMemoryArrayTableEntry
Access	Not accessible
Index	physicalMemoryArraychassisIndex, physicalMemoryArrayIndex

Physical Memory Array Chassis Index

Name	`physicalMemoryArraychassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array Index

Name	`physicalMemoryArrayIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.2
Description	Defines the index (one-based) of the physical memory array in this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array State Capabilities

Name	`physicalMemoryArrayStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.3
Description	Defines the capabilities of the physical memory array.
Syntax	DellStateCapabilities
Access	Read-only

Physical Memory Array State Settings

Name	`physicalMemoryArrayStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.4
Description	Defines the state of the physical memory array.
Syntax	DellStateSettings
Access	read-write

Physical Memory Array Status

Name	`physicalMemoryArrayStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.5
Description	Defines the status of the physical memory array.
Syntax	DellStatus
Access	Read-only

Physical Memory Array Use

Name	`physicalMemoryArrayUse`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.6
Description	Defines the use of the physical memory array.
Syntax	DellPhysicalMemoryArrayUse (See Table 16-2)
Access	Read-only

Physical Memory Array Error Checking and Correcting (ECC) Type

Name	`physicalMemoryArrayECCType`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.7
Description	Defines the ECC type used by the physical memory array.
Syntax	DellPhysicalMemoryArrayECCType (See Table 16-2)
Access	Read-only

Physical Memory Array Location

Name	`physicalMemoryArrayLocation`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.8
Description	Defines the location of the physical memory array.
Syntax	DellPhysicalMemoryArrayLocation (See Table 16-1)
Access	Read-only

Physical Memory Array Maximum Size

Name	`physicalMemoryArrayMaximumSize`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.9
Description	Defines the size in KB of the physical memory array.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Array Total Number Sockets

Name	`physicalMemoryArrayTotalNumberSockets`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.10
Description	Defines the total number of memory sockets available for the physical memory array.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Array In Use Number Sockets

Name	`physicalMemoryArrayInUseNumberSockets`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.11
Description	Defines the total number of memory sockets in use by the physical memory array.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Array ECC Error Nonrecoverable Threshold

Name	`physicalMemoryArrayECCErrorNonRecoverbeThreshold`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.12
Description	Defines the value of the physical memory array Error Checking and Correction (ECC) error nonrecoverable threshold.
Syntax	DellSigned32BitRange
Access	Read-only

Physical Memory Array ECC Error Critical Threshold

Name	`physicalMemoryArrayECCErrorCriticalThreshold`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.13
Description	Defines the value of the physical memory array ECC error critical threshold.
Syntax	DellSigned32BitRange
Access	Read-only

Physical Memory Array ECC Error Noncritical Threshold

Name	`physicalMemoryArrayECCErrorNonCriticalThreshold`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.14
Description	Defines the value of the physical memory array ECC error noncritical threshold.
Syntax	DellSigned32BitRange
Access	read-write

Physical Memory Array Redundant Memory Unit Index Reference

Name	`physicalMemoryArrayRedundantMemoryUnitIndex Reference`
Object ID	1.3.6.1.4.1.674.10892.1.1300.10.1.15
Description	Defines the index to the associated Redundant Memory Unit in this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array Mapped Table

The physical memory array is divided into memory array mapped addresses. The following object sets up the Physical Memory Array Mapped Table:

Name	`physicalMemoryArrayMappedTable`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20
Description	Defines the Physical Memory Array Mapped Table.
Syntax	PhysicalMemoryArrayMappedTableEntry
Access	Not accessible

Physical Memory Array Mapped Table Entry

Name	`PhysicalMemoryArrayMappedTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1
Description	Defines the Physical Memory Array Mapped Table entry.
Syntax	PhysicalMemoryArrayMappedTableEntry
Access	Not accessible
Index	physicalMemoryArrayMappedchassisIndex, physicalMemoryArrayMappedIndex

Physical Memory Array Mapped Chassis Index

Name	physicalMemoryArrayMappedchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array Mapped Index

Name	physicalMemoryArrayMappedIndex
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.2
Description	Defines the index (one-based) of the memory array mapped address in this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array Mapped State Capabilities

Name	physicalMemoryArrayMappedStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.3
Description	Defines the capabilities of the memory array mapped address.
Syntax	DellStateCapabilities
Access	Read-only

Physical Memory Array Mapped State Settings

Name	physicalMemoryArrayMappedStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.4
Description	Defines the state of the memory array mapped address.
Syntax	DellStateSettings
Access	Read-write

Physical Memory Array Mapped Status

Name	`physicalMemoryArrayMappedStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.5
Description	Defines the status of the memory array mapped address.
Syntax	DellStatus
Access	Read-only

Physical Memory Array Index Reference

Name	`physicalMemoryArrayIndexReference`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.6
Description	Defines the index to the associated physical memory array in this chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Array Mapped Starting Address

Name	`physicalMemoryArrayMappedStartingAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.7
Description	Defines the physical starting address in KB of the memory array mapped address.
Syntax	DellUnsigned64BitRange
Access	Read-only

Physical Memory Array Mapped Ending Address

Name	`physicalMemoryArrayMappedEndingAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.8
Description	Defines the physical ending address in KB of the memory array mapped address.
Syntax	DellUnsigned64BitRange
Access	Read-only

Physical Memory Array Mapped Partition Width

Name	`physicalMemoryArrayMappedPartitionWidth`
Object ID	1.3.6.1.4.1.674.10892.1.1300.20.1.9
Description	Defines the number of memory devices that form a single row in the memory array mapped address. A zero (0) indicates that the number is unknown.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Configuration Table

This table defines how the physical memory of a system chassis is set up, for example, which redundant memory types are supported and whether redundant memory is active.

The following object sets up the Physical Memory Configuration Table:

Name	`physicalMemoryConfigTable`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30
Description	Defines the Physical Memory Configuration Table.
Syntax	SEQUENCE OF PhysicalMemoryConfigTableEntry
Access	Not accessible

Physical Memory Configuration Table Entry

Name	`physicalMemoryConfigTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1
Description	Defines the Physical Memory Configuration Table entry.
Syntax	PhysicalMemoryConfigTableEntry
Access	Not accessible
Index	physicalMemoryConfigChassisIndex, physicalMemoryConfigIndex

Physical Memory Configuration Chassis Index

Name	`physicalMemoryConfigChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.1
Description	Defines the index (one-based) of the chassis associated with the physical memory configuration.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Configuration Index

Name	`physicalMemoryConfigIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.2
Description	Defines the index (one-based) of the physical memory configuration.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Configuration State Capabilities

Name	`physicalMemoryConfigStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.3
Description	Defines the state capabilities of the physical memory configuration.
Syntax	DellPhysicalMemoryConfigStateCapabilities
Access	Read-only

Physical Memory Configuration State Settings

Name	`physicalMemoryConfigStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.4
Description	Defines the state settings of the physical memory configuration.
Syntax	DellPhysicalMemoryConfigStateSettings
Access	Read-write

Physical Memory Configuration Status

Name	physicalMemoryConfigStatus
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.5
Description	Defines the status of the physical memory configuration.
Syntax	DellStatus
Access	Read-only

Physical Memory Configuration Redundant Capabilities

Name	physicalMemoryConfigRedundantCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.6
Description	Defines the redundant capabilities of the physical memory.
Syntax	DellPhysicalMemoryConfigRedundantCapabilities
Access	Read-only

Physical Memory Configuration Redundant Settings

Name	physicalMemoryConfigRedundantSettings
Object ID	1.3.6.1.4.1.674.10892.1.1300.30.1.7
Description	Defines the redundant settings of the physical memory.
Syntax	DellPhysicalMemoryConfigRedundantSettings
Access	Read-write

Physical Memory Logging Table

This table defines the conditions for logging system memory events. The following object sets up the Physical Memory Logging Table:

Name	physicalMemoryLoggingTable
Object ID	1.3.6.1.4.1.674.10892.1.1300.40
Description	Defines the Physical Memory Logging Table.
Syntax	SEQUENCE OF PhysicalMemoryLoggingTableEntry
Access	Not accessible

Physical Memory Logging Table Entry

Name	`physicalMemoryLoggingTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1
Description	Defines the Physical Memory Logging Table entry.
Syntax	PhysicalMemoryLoggingTableEntry
Access	Not accessible
Index	physicalMemoryLoggingChassisIndex, physicalMemoryLoggingIndex

Physical Memory Logging Chassis Index

Name	`physicalMemoryLoggingChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1.1
Description	Defines the index (one-based) of the chassis associated with the physical memory logging.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Logging Index

Name	`physicalMemoryLoggingIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1.2
Description	Defines the index (one-based) of the physical memory logging.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Logging Capabilities

Name	`physicalMemoryLoggingCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1.3
Description	Defines the capabilities of the physical memory logging.
Syntax	DellPhysicalMemoryLoggingCapabilities
Access	Read-only

Physical Memory Logging Settings

Name	`physicalMemoryLoggingSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1.4
Description	Defines the settings of the physical memory logging.
Syntax	DellPhysicalMemoryLoggingSettings
Access	Read-write

Physical Memory Logging Status

Name	`physicalMemoryLoggingStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.40.1.5
Description	Defines the status of the physical memory logging.
Syntax	DellStatus
Access	Read-only

Redundant Memory Unit Table

This table reports the status of redundant memory within a particular system chassis.

The following object sets up the Redundant Memory Unit Table:

Name	`redundantMemoryUnitTable`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50
Description	Defines the Redundant Memory Unit Table.
Syntax	SEQUENCE OF RedundantMemoryUnitTableEntry
Access	Not accessible

Redundant Memory Unit Table Entry

Name	`redundantMemoryUnitTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1
Description	Defines the Redundant Memory Unit Table entry.
Syntax	RedundantMemoryUnitTableEntry
Access	Not accessible
Index	redundantMemoryUnitChassisIndex, redundantMemoryUnitIndex

Redundant Memory Unit Chassis Index

Name	`redundantMemoryUnitChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.1
Description	Defines the index (one-based) of the chassis associated with the redundant memory unit.
Syntax	DellObjectRange
Access	Read-only

Redundant Memory Unit Index

Name	`redundantMemoryUnitIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.2
Description	Defines the index (one-based) of the redundant memory unit.
Syntax	DellObjectRange
Access	Read-only

Redundant Memory Unit State Capabilities

Name	`redundantMemoryUnitStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.3
Description	Defines the state capabilities of the redundant memory unit.
Syntax	DellStateCapabilities
Access	Read-only

Redundant Memory Unit State Settings

Name	`redundantMemoryUnitStatesettings`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.4
Description	Defines the state settings of the redundant memory unit.
Syntax	DellStateSettings
Access	Read-write

Redundant Memory Unit Redundancy Status

Name	`redundantMemoryUnitRedundancyStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.5
Description	Defines the redundancy status of the redundant memory unit.
Syntax	DellStatusRedundancy
Access	Read-only

Redundant Memory Unit Name

Name	`redundantMemoryUnitName`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.6
Description	Defines the name of the redundant memory unit.
Syntax	DellString
Access	Read-only

Redundant Memory Unit Status

Name	`redundantMemoryUnitStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.50.1.7
Description	Defines the status of the redundant memory unit.
Syntax	DellStatus
Access	Read-only

Physical Memory Card Table

This table defines the name of the memory card, the total number of device slots present on the memory card, and the number of memory device slots in use on the memory card.

The following objects set up the Physical Memory Card Table:

Physical Memory Card Table

Name	`physicalMemoryCardTable`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60
Description	Defines the Physical Memory Card Table.
Syntax	SEQUENCE OF PhysicalMemoryCardTableEntry
Access	Not accessible

Physical Memory Card Table Entry

Name	`physicalMemoryCardTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1
Description	Defines the Physical Memory Card Table Entry.
Syntax	PhysicalMemoryCardTableEntry
Access	Not accessible
Index	physicalMemoryCardChassisIndex, physicalMemoryCardIndex

Physical Memory Card Chassis Index

Name	`physicalMemoryCardChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Card Index

Name	`physicalMemoryCardIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.2
Description	Defines the index (one-based) of the Physical Memory Card.
Syntax	DellObjectRange
Access	Read-only

Physical Memory Card State Capabilities

Name	`physicalMemoryCardStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.3
Description	Defines the state capabilities of the Physical Memory Card.
Syntax	DellStateCapabilities
Access	Read-only

Physical Memory Card State Settings

Name	`physicalMemoryCardStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.4
Description	Defines the state settings of the Physical Memory Card.
Syntax	DellStateSettings
Access	Read-write

Physical Memory Card Status

Name	`physicalMemoryCardStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.5
Description	Defines the status of the Physical Memory Card.
Syntax	DellStatus
Access	Read-only

Physical Memory Card Name

Name	`physicalMemoryCardName`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.6
Description	Defines the name of the Physical Memory Card.
Syntax	DellString
Access	Read-only

Physical Memory Card Total Number Sockets

Name	`physicalMemoryCardTotalNumberSockets`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.7
Description	Defines the total number of memory sockets available on the Physical Memory Card. 2,147,483,647 indicates an unknown number of sockets.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Card In Use Number Sockets

Name	`physicalMemoryCardInUseNumberSockets`
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.8
Description	Defines the number of memory sockets in use on the Physical Memory Card. Zero indicates that the Physical Memory Card is not installed or has a configuration error.
Syntax	DellUnsigned32BitRange
Access	Read-only

Physical Memory Card Physical Memory Array Index Reference

Name	physicalMemoryCardPhyMemArrayIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1300.60.1.9
Description	Defines the index (one-based) of the Physical Memory Array Table entry for the physical memory array with the same chassis index that this physical memory card is associated with.
Syntax	DellObjectRange
Access	Read-only

Memory Group Variable Values

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

Table 16-1. Physical Memory Array Location

Variable Name: DellPhysicalMemoryArrayLocation **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
memoryArrayLocationIsOther(1)	The memory array location is not one of the following:
memoryArrayUseIsUnknown(2)	The memory array use is unknown.
memoryArrayUseIsSystemMemory(3)	The memory array is system memory.
memoryArrayUseIsVideoMemory(4)	The memory array is video memory.
memoryArrayUseIsFLASHMemory(5)	The memory array is FLASH memory.
memoryArrayUseIsNonVolatileRAMMemory(6)	The memory array is nonvolatile RAM.
memoryArrayUseIsCacheMemory(7)	The memory array is cache memory.

Table 16-1. Physical Memory Array Location *(continued)*

Variable Name: `DellPhysicalMemoryArrayLocation` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 16-2. Physical Memory Array ECC Type Definitions

Variable Name: `DellPhysicalMemoryArrayECCType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`memoryArrayECCTypeIsOther(1)`	There is not one of the following:
`memoryArrayECCTypeIsUnknown(2)`	The memory array ECC type is unknown.
`memoryArrayECCTypeIsNone(3)`	The memory array ECC type is none.
`memoryArrayECCTypeIsParity(4)`	The memory array ECC type is parity.
`memoryArrayECCTypeIsSingleBitECC(5)`	The memory array ECC type is Correctable Memory Event ECC.
`memoryArrayECCTypeIsMultiBitECC(6)`	The memory array ECC type is Uncorrectable Memory Event ECC.
`memoryArrayECCTypeIsCRC(7)`	The memory array ECC type is CRC.

Table 16-3. Physical Memory Configuration State Capabilities

Variable Name: `DellPhysicalMemoryConfigStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no state capabilities.
`unknownCapabilities(1)`	State capabilities are unknown.
`enableCapable(2)`	Object enable/disable is supported.
`notReadyCapable(4)`	Object *not ready* is supported.

Table 16-4. Physical Memory Configuration State Settings

Variable Name: `DellPhysicalMemoryConfigStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no state settings.
`unknown(1)`	State settings are unknown.
`enabled(2)`	Object is disabled (offline) 0, or enabled (online) 1.
`notReady(4)`	Object *not ready*.
`redundantMemoryIsActive(8)`	Redundant memory is active (in use)
`enabledAndRedundantMemoryIsActive(10)`	Redundant memory is enabled and in use.

Table 16-5. Physical Memory Configuration Redundant Capabilities

Variable Name: `DellPhysicalMemoryConfigRedundantCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no redundant memory capabilities.
`unknownCapabilities(1)`	Redundant capabilities are unknown.
The redundant capabilities are:	
`spareCapable(2)`	Spare redundant memory feature is supported.
`mirrorCapable(4)`	Mirror redundant memory feature is supported.
`spareAndMirrorCapable(6)`	Spare and mirror redundant memory features are supported.
`raidCapable(8)`	Redundant Array of Independent disks (RAID) redundant memory feature is supported.

Table 16-6. Physical Memory Configuration Redundant Settings

Variable Name: `DellPhysicalMemoryConfigRedundantSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no redundant memory settings enabled.
`unknown(1)`	Redundant settings are unknown.
The following redundant settings are mutually exclusive:	
`spareEnabled(2)`	Spare redundant memory feature is enabled.
`mirrorEnabled(4)`	Mirror redundant memory feature is enabled.
`raidEnabled(8)`	RAID redundant memory feature is enabled.

Table 16-7. Physical Memory Logging Capabilities

Variable Name: `DellPhysicalMemoryLoggingCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no logging capabilities.
`unknown Capabilities(1)`	Logging capabilities are unknown.
The logging capabilities are:	
`enableCapable(2)`	Logging enable/disable using Simple Network Management Protocol (SNMP) is supported.

Table 16-8. Physical Memory Logging Settings

Variable Name: `DellPhysicalMemoryLoggingSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`If set to 0 (zero)`	There are no logging settings enabled.
`unknown Capabilities(1)`	Logging capabilities are unknown.
The logging settings are: `enabled(2)`	Logging is disabled (0), or enabled (1).

17

BIOS Setup Control Group

Basic Input/Output System (BIOS) Setup Control Group variables provide information about the functions that the BIOS performs in your system. This management information base (MIB) group includes variables for the boot sequence, speakers, diskettes, ports, network interface controllers (NICs), and the Wakeup on local area network (LAN) feature.

BIOS Group Tables

The objects in this group define the BIOS control of devices and controller cards that are typically present in a system. The following MIB tables define the BIOS Setup Control Group:

- "BIOS Setup Control Table" on page 393
- "SCSI Control Table" on page 404
- "Parallel Port Control Table" on page 406
- "Serial Port Control Table" on page 408
- "USB Control Table" on page 410
- "IDE Control Table" on page 412
- "Diskette Control Table" on page 414
- "Network Interface Control Table" on page 416

BIOS Setup Control Table

Name	`biosSetUpControlTable`
Object ID	1.3.6.1.4.1.674.10892.1.1400.10
Description	Defines the set of single devices in a chassis controlled by the BIOS.
Syntax	BiosSetUpControlTableEntry
Access	Not accessible

BIOS Setup Control Table Entry

Name	biosSetUpControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1
Description	Defines the BIOS Control Device Table entry.
Syntax	BiosSetUpControlTableEntry
Access	Not accessible
Index	biosSetUpControlchassisIndex

BIOS Setup Control Chassis Index

Name	biosSetUpControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

BIOS Setup Control (BSUC) Pointing Device Control Capabilities

Name	bSUCpointingDeviceControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.2
Description	Defines the capabilities of the pointing device.
Syntax	DellStateCapabilities
Access	Read-only

BIOS Setup Control Pointing Device Control Settings

Name	bSUCpointingDeviceControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.3
Description	Defines the state of the pointing device.
Syntax	DellStateSettings
Access	Read-write

BIOS Setup Control Pointing Device Control Status

Name	bSUCpointingDeviceControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.4
Description	Defines the status of the pointing device.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Pointing Device Control Name

Name	bSUCpointingDeviceControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.5
Description	Defines the setup BIOS name of the pointing device.
Syntax	DellString
Access	Read-only

BIOS Setup Control Numeric Lock Control Capabilities

Name	bSUCnumLockControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.6
Description	Defines the capabilities of the numeric lock.
Syntax	DellStateCapabilities
Access	Read-only

BIOS Setup Control Numeric Lock Control Settings

Name	bSUCnumLockControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.7
Description	Defines the state of the numeric lock.
Syntax	DellStateSettings
Access	Read-only

BIOS Setup Control Numeric Lock Control Status

Name	bSUCnumLockControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.8
Description	Defines the status of the numeric lock.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Numeric Lock Control Name

Name	bSUCnumLockControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.9
Description	Defines the setup BIOS name of the numeric lock.
Syntax	DellString
Access	Read-only

BIOS Setup Control Processor Serial Number Control Capabilities

Name	bSUCprocessorSerialNumberControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.10
Description	Defines if the processor serial number can be returned.
Syntax	DellStateCapabilities
Access	Read-only

BIOS Setup Control Processor Serial Number Control Settings

Name	bSUCprocessorSerialNumberControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.11
Description	Defines the state of the processor serial number.
Syntax	DellStateSettings
Access	Read-only

BIOS Setup Control Processor Serial Number Control Status

Name	bSUCprocessorSerialNumberControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.12
Description	Defines the status of the processor serial number.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Processor Serial Number Control Name

Name	bSUCprocessorSerialNumberControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.13
Description	Defines the setup BIOS name of the processor serial number.
Syntax	DellString
Access	Read-write

BIOS Setup Control Speaker Control Capabilities Unique

Name	bSUCspeakerControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.14
Description	Defines the capabilities of the speaker control.
Syntax	DellSpeakerControlCapabilitiesUnique (See Table 17-1)
Access	Read-only

BIOS Setup Control Speaker Control Settings Unique

Name	bSUCspeakerControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.15
Description	Defines the settings available for speaker control.
Syntax	DellSpeakerControlSettingsUnique (See Table 17-2)
Access	Read-only

BIOS Setup Control Speaker Control Status

Name	bSUCspeakerControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.16
Description	Defines the status of speaker control.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Speaker Control Name

Name	bSUCspeakerControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.17
Description	Defines the setup BIOS name of the speaker control.
Syntax	DellString
Access	Read-only

BIOS Setup Control NIF Wakeup on LAN Control Capabilities Unique

Name	bSUCnIFwakeonLanControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.18
Description	Defines the defines the capabilities of the network interface function (NIF) Wakeup on LAN.
Syntax	DellNIFwakeonLanControlCapabilitiesUnique (See Table 17-4)
Access	Read-only

BIOS Setup Control NIF Wakeup on LAN Control Settings Unique

Name	bSUCnIFwakeonLanControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.19
Description	Defines the state of the NIF Wakeup on LAN.
Syntax	DellNIFwakeonLanControlSettingsUnique (See Table 17-4)
Access	Read-only

BIOS Setup Control NIF Wakeup on LAN Control Status

Name	bSUCnIFwakeonLanControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.20
Description	Defines the status of the NIF Wakeup on LAN.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control NIF Wakeup on LAN Control Name

Name	bSUCnIFwakeonLanControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.21
Description	Defines the setup BIOS name of the NIF Wakeup on LAN.
Syntax	DellString
Access	Read-only

BIOS Setup Control Boot Sequence Control Capabilities Unique

Name	bSUCbootSequenceControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.22
Description	Defines the capabilities of the boot sequence.
Syntax	DellBootSequenceControlCapabilitiesUnique (See Table 17-5)
Access	Read-only

BIOS Setup Control Boot Sequence Control Settings Unique

Name	DellBootSequenceControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.23
Description	Defines the state of the boot sequence.
Syntax	DellBootSequenceControlSettingsUnique (See Table 17-6)
Access	Read-only

BIOS Setup Control Boot Sequence Control Status

Name	bSUCbootSequenceControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.24
Description	Defines the status of the boot sequence.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Boot Sequence Control Name

Name	bSUCbootSequenceControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.25
Description	Defines the control name of the boot sequence.
Syntax	DellString
Access	Read-only

BIOS Setup Control Administrator Password Control Capabilities Unique

Name	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

BIOS Setup Control Administrator Password Control Settings Unique

Name	bSUCadministratorPasswordControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.27
Description	Defines the settings for administrator password control.
Syntax	DellBIOSPasswordControlSettingsUnique (See Table 17-9)
Access	Read-write

BIOS Setup Control Administrator Password Control Status

Name	bSUCadministratorPasswordControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.28
Description	Defines the status for administrator password control.
Syntax	DellStatus
Access	Read-only

BIOS Setup Control Administrator Password Verify Name

Name	bSUCadministratorPasswordVerifyName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.29
Description	Defines the setup BIOS name for the current administrator password.
Syntax	DellString
Access	Read-write

BIOS Setup Control Administrator Password New Password Name

Name	bSUCadministratorPasswordNewPasswordName
Object ID	1.3.6.1.4.1.674.10892.1.1400.10.1.30
Description	Defines the setup BIOS name of the new administrator password. To set a new administrator password, you must have successfully set the current administrator password immediately preceding this password change.
Syntax	DellString
Access	Read-write

BIOS 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

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 Table 17-9)
Access	Read-write

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

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-write

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
Description	Defines the setup BIOS name of the new user password. To set a new user password, a you must have successfully set the current user password immediately preceding this password change.
Syntax	DellString
Access	Read-write

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

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

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

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

Name	sCSIControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.20
Description	Defines the Small Computer System Interface (SCSI) Control Table.
Syntax	SCSIControlTableEntry
Access	Not accessible

SCSI Control Table Entry

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

SCSI Control Chassis Index

Name	sCSIControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

SCSI Control Index

Name	sCSIControlIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.2
Description	Defines the index (one-based) of the SCSI controller in this chassis.
Syntax	DellObjectRange
Access	Read-only

SCSI Control Capabilities

Name	sCSIControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.3
Description	Defines the capabilities of the SCSI controller.
Syntax	DellStateCapabilities
Access	Read-only

SCSI Control Settings

Name	sCSIControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.4
Description	Defines the state of the SCSI controller.
Syntax	DellStateSettings
Access	Read-only

SCSI Control Status

Name	sCSIControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.5
Description	Defines the status of the SCSI controller.
Syntax	DellStatus
Access	Read-only

SCSI Control Name

Name	sCSIControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.20.1.6
Description	Defines the setup BIOS name of the SCSI controller.
Syntax	DellString
Access	Read-only

Parallel Port Control Table

Name	parallelPortControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.30
Description	Defines the Parallel Port Control Table.
Syntax	ParallelPortControlTableEntry
Access	Not accessible

Parallel Port Control Table Entry

Name	parallelPortControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1
Description	Defines the Parallel Port Control Table entry.
Syntax	ParallelPortControlTableEntry
Access	Not accessible
Index	parallelPortControlchassisIndex, parallelPortControlIndex

Parallel Port Control Chassis Index

Name	parallelPortControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Parallel Port Control Index

Name	parallelPortControlIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.2
Description	Defines the index (one-based) of the parallel port in this chassis.
Syntax	DellObjectRange
Access	Read-only

Parallel Port Control Capabilities Unique

Name	`parallelPortControlCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.3
Description	Defines the capabilities of the parallel port.
Syntax	DellParallelPortControlCapabilitiesUnique (See Table 17-12)
Access	Read-only

Parallel Port Control Settings Unique

Name	`parallelPortControlSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.4
Description	Defines the state of the parallel port.
Syntax	DellParallelPortControlSettingsUnique (See Table 17-13)
Access	Read-only

Parallel Port Control Status

Name	`parallelPortControlStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.5
Description	Defines the status of the parallel port.
Syntax	DellStatus
Access	Read-only

Parallel Port Control Name

Name	`parallelPortControlName`
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.6
Description	Defines the setup BIOS name of the parallel port.
Syntax	DellString
Access	Read-only

Parallel Port Control Mode Capabilities Unique

Name	parallelPortControlModeCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.7
Description	Defines the mode capabilities of the parallel port.
Syntax	DellParallelPortControlModeCapabilitiesUnique (See Table 17-14)
Access	Read-only

Parallel Port Control Mode Settings Unique

Name	parallelPortControlModeSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.30.1.8
Description	Defines the mode settings of the parallel port.
Syntax	DellParallelPortControlModeSettingsUnique (See Table 17-14)
Access	Read-write

Serial Port Control Table

Name	serialPortControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.40
Description	Defines the Serial Port Control Table.
Syntax	SerialPortControlTableEntry
Access	Not accessible

Serial Port Control Table Entry

Name	serialPortControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1
Description	Defines the Serial Port Control Table entry.
Syntax	SerialPortControlTableEntry
Access	Not accessible
Index	serialPortControlchassisIndex, serialPortControlIndex

Serial Port Control Chassis Index

Name	`serialPortControlchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.1
Description	Defines index (one-based) of this chassis.
Syntax	DellObjectRange
Access	read-only

Serial Port Control Index

Name	`serialPortControlIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.2
Description	Defines the index (one-based) of the serial port in this chassis.
Syntax	DellObjectRange
Access	read-only

Serial Port Control Capabilities Unique

Name	`serialPortControlCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.3
Description	Defines the capabilities of the serial port.
Syntax	DellSerialPortControlCapabilitiesUnique (See Table 17-15)
Access	Read-only

Serial Port Control Settings Unique

Name	`serialPortControlSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.4
Description	Defines the settings of the serial port.
Syntax	DellSerialPortControlSettingsUnique (See Table 17-16)
Access	Read-only

Serial Port Control Status

Name	serialPortControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.5
Description	Defines the status of the serial port.
Syntax	DellStatus
Access	Read-only

Serial Port Control Name

Name	serialPortControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.40.1.6
Description	Defines the setup BIOS name of the serial port.
Syntax	DellString
Access	Read-only

USB Control Table

These objects enable you to track the attributes of your Universal Serial Bus (USB).

Name	usbControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.50
Description	Defines the USB Table.
Syntax	UsbControlTableEntry
Access	Not accessible

USB Control Table Entry

Name	usbControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1
Description	Defines the USB Table entry.
Syntax	UsbControlTableEntry
Access	Not accessible
Index	usbControlchassisIndex, usbControlIndex

USB Control Chassis Index

Name	usbControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.1
Description	Defines index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

USB Control Index

Name	usbControlIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.2
Description	Defines the index (one-based) of the USB in this chassis.
Syntax	DellObjectRange
Access	Read-only

USB Control Capabilities

Name	usbControlCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.3
Description	Defines the capabilities of the USB.
Syntax	DellStateCapabilities
Access	Read-only

USB Control Settings

Name	usbControlSettings
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.4
Description	Defines the control settings for the USB.
Syntax	DellStateSettings
Access	Read-only

USB Control Status

Name	usbControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.5
Description	Defines the status of the USB.
Syntax	DellStatus
Access	Read-only

USB Control Name

Name	usbControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.50.1.6
Description	Defines the setup BIOS name of the USB.
Syntax	DellString
Access	Read-only

IDE Control Table

These objects enable you to track the attributes of Integrated Device Electronics (IDE) controller cards in your system.

Name	ideControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.60
Description	Defines the IDE Control Table.
Syntax	IdeControlTableEntry
Access	Not accessible

IDE Control Table Entry

Name	ideControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1
Description	Defines the IDE Control Table entry.
Syntax	IdeControlTableEntry
Access	Not accessible
Index	ideControlchassisIndex, ideControlIndex

IDE Control Chassis Index

Name	ideControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

IDE Control Index

Name	ideControlIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.2
Description	Defines the index (one-based) of the IDE controller in this chassis.
Syntax	DellObjectRange
Access	Read-only

IDE Control Capabilities Unique

Name	ideControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.3
Description	Defines the capabilities of the IDE controller.
Syntax	DellideControlCapabilitiesUnique (See Table 17-17)
Access	Read-only

IDE Control Settings Unique

Name	ideControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.4
Description	Defines the settings for the IDE controller.
Syntax	DellideControlCapabilitiesUnique (See Table 17-17)
Access	Read-only

IDE Control Status

Name	ideControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.5
Description	Defines the status for the IDE controller.
Syntax	DellStatus
Access	Read-only

IDE Control Name

Name	ideControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.60.1.6
Description	Defines the setup BIOS name for the IDE controller.
Syntax	DellStatus
Access	Read-only

Diskette Control Table

Name	disketteControlTable
Object ID	1.3.6.1.4.1.674.10892.1.1400.70
Description	Defines the Diskette Control Table.
Syntax	DisketteControlTableEntry
Access	Not accessible

Diskette Control Table Entry

Name	disketteControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1
Description	Defines the Diskette Control Table entry.
Syntax	DellStatus
Access	Not accessible
Index	disketteControlchassisIndex, disketteControlIndex

Diskette Control Chassis Index

Name	`disketteControlchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Diskette Control Index

Name	`disketteControlIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.2
Description	Defines the index of the diskette controllers in this chassis.
Syntax	DellObjectRange
Access	Read-only

Diskette Control Capabilities Unique

Name	`disketteControlCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.3
Description	Defines the capabilities of the diskette controller.
Syntax	DellDisketteControlCapabilitiesUnique (See Table 17-18)
Access	Read-only

Diskette Control Settings Unique

Name	`disketteControlSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.4
Description	Defines the control settings for the diskette controller.
Syntax	DellDisketteControlSettingsUnique
Access	Read-only

Diskette Control Status

Name	`disketteControlStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.5
Description	Defines the status of the diskette controller.
Syntax	DellStatus
Access	Read-only

Diskette Control Name

Name	`disketteControlName`
Object ID	1.3.6.1.4.1.674.10892.1.1400.70.1.6
Description	Defines the setup BIOS name of the diskette controller.
Syntax	DellString
Access	Read-only

Network Interface Control Table

These MIB objects enable you to track the attributes of the NIC card for your system.

Name	`networkInterfaceControlTable`
Object ID	1.3.6.1.4.1.674.10892.1.1400.80
Description	Defines the Network Interface Control Table.
Syntax	NetworkInterfaceControlTableEntry
Access	Not accessible

Network Interface Control Table Entry

Name	networkInterfaceControlTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1
Description	Defines the Network Interface Control Table entry.
Syntax	NetworkInterfaceControlTableEntry
Access	Not accessible
Index	networkInterfaceControlchassisIndex, networkInterfaceControlIndex

Network Interface Control Chassis Index

Name	networkInterfaceControlchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Network Interface Control Index

Name	networkInterfaceControlIndex
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.2
Description	Defines the index (one-based) of the network interface controller in this chassis.
Syntax	DellObjectRange
Access	Read-only

Network Interface Control Capabilities Unique

Name	networkInterfaceControlCapabilitiesUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.3
Description	Defines the capabilities of the NIC.
Syntax	DellNetworkInterfaceControlCapabilitiesUnique (See Table 17-19)
Access	Read-only

Network Interface Control Settings Unique

Name	networkInterfaceControlSettingsUnique
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.4
Description	Defines the control settings for the NIC.
Syntax	DellNetworkInterfaceControlSettingsUnique (See Table 17-20)
Access	Read-write

Network Interface Control Status

Name	networkInterfaceControlStatus
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.5
Description	Defines the status of the NIC.
Syntax	DellStatus
Access	Read-only

Network Interface Control Name

Name	networkInterfaceControlName
Object ID	1.3.6.1.4.1.674.10892.1.1400.80.1.6
Description	Defines the setup BIOS name of the NIC.
Syntax	DellString
Access	Read-only

BIOS Group Variable Values

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

Table 17-1. Speaker Control Capabilities Unique

Variable Name: `DellSpeakerControlCapabilitiesUnique`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Speaker control capabilities are unknown.
`enableCapable(2)`	Setup BIOS can enable speaker control.
`lowCapable(4)`	Setup BIOS can set the speaker volume to low.
`mediumCapable(8)`	Setup BIOS can set the speaker volume to medium.
`highCapable(16)`	Setup BIOS can set the speaker volume to high.
`allVolumeCapable(30)`	Setup BIOS can set the speaker volume to any of the three settings.

Table 17-2. Speaker Control Settings Unique

Variable Name: `DellSpeakerControlSettingsUnique`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Speaker control state is unknown.
`enabled(2)`	Speaker control is enabled.
`low(4)`	Speaker control volume is low.
`medium(8)`	Speaker control volume is medium.
`high(16)`	Speaker control volume is high.

Table 17-3. Network Interface (NIF) Wakeup on LAN Capabilities Unique

Variable Name: `DellNIFwakeonLanControlCapabilitiesUnique`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Setup BIOS Wakeup on LAN capabilities are unknown.
`enableCapable(2)`	Setup BIOS is capable of enabling the NIF Wakeup on LAN.
`addInCardCapable(4)`	Setup BIOS is capable of enabling Wakeup on LAN by option card.
`onBoardCapable(8)`	Setup BIOS is capable of enabling Wakeup on LAN by integrated NIF.
`bothCapable(14)`	Setup BIOS is capable of enabling Wakeup on LAN by either option card or integrated NIF.

Table 17-4. NIF Wakeup on LAN Control Settings Unique

Variable Name: `DellNIFwakeonLanControlSettingsUnique`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	NIF Wakeup on LAN state is unknown.
`enabled(2)`	NIF Wakeup on LAN is enabled.
`addInCard(4)`	NIF Wakeup on LAN is by option card.
`onBoard(8)`	NIF Wakeup on LAN is by integrated NIF.
`addInCardOrOnBoard(12)`	NIF Wakeup on LAN is by option card or integrated NIF.

Table 17-5. Boot Sequence Control Capabilities Unique

Variable Name: DellBootSequenceControlCapabilitiesUnique **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
bootSequenceUnknown(1)	Boot sequence capabilities are unknown.
bootFromDisketteFirstCapable (2)	Setup BIOS can boot from a diskette first.
bootFromhardDriveFirstCapable (4)	Setup BIOS can boot from an IDE hard drive first.
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 17-6. 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 17-7. BIOS Password Control Capabilities

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

Table 17-8. 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 17-9. BIOS Password Control Settings

Variable Name: DellBIOSPasswordControlSettingsUnique **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
passwordControlSettingsUnknown(1)	Setup BIOS password state is unknown.
passwordControlEnabled(2)	Setup BIOS has password changes enabled.
passwordControlJumperDisabled(4)	Setup BIOS has determined that password control has been disabled by a jumper.

Table 17-10. TPM Security Control Capabilities

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

Table 17-11. 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.**
onWithoutPrebootMeasurements(2)	TPM security is **On without Pre-boot Measurements**.

Table 17-12. 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 17-13. 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 17-14. 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 17-15. 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.

Table 17-15. Serial Port Control Capabilities *(continued)*

Variable Name: DellSerialPortControlCapabilitiesUnique **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
com1OrCom3CapableAndAutoConfigCapable(86)	Setup BIOS has enabled autoconfiguration of COM1 and COM3 serial ports.
com2OrCom4CapableAndAutoConfigCapable(106)	Setup BIOS has enabled autoconfiguration of COM2 and COM4 serial ports.
allcomCapable(126)	Setup BIOS is capable of enabling or autoconfiguring all serial ports.

Table 17-16. 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 17-17. IDE Control Capabilities

Variable Name: DellideControlCapabilitiesUnique **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 17-18. 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 17-19. 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 17-20. 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.

18

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" on page 430
- "LRA Action Table" on page 432

LRA Global Settings

The global settings table allows the systems manager to determine what LRA capabilities exist for a specific system that is running Server Administrator. Some machines may support all or some of the capabilities described in DellLocalResponseAgentCapabilitiesUnique. The LRA Global Settings Table also defines thermal shutdown capabilities and settings. In the event that a temperature probe determines the temperature is at or over the failure limit, the systems manager can set an action to be taken automatically.

LRA Global Settings Table

Name	lRAGlobalSettingsTable
Object ID	1.3.6.1.4.1.674.10892.1.1500.10
Description	Defines the LRA Global Settings Table.
Syntax	SEQUENCE OF LRAGlobalSettingsTableEntry
Access	Not accessible

LRA Global Settings Table Entry

Name	lRAGlobalSettingsTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1
Description	Defines the LRA Global Settings Table entry.
Syntax	LRAGlobalSettingsTableEntry
Access	Not accessible
Index	lRAGlobalchassisIndex

LRA Global Chassis Index

Name	lRAGlobalchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

LRA Global State

Name	lRAGlobalState
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.2
Description	Defines the state of the LRA global settings.
Syntax	DellStateSettings
Access	Read-only

LRA Global Settings Disable Time-out Value

Name	`lRAGlobalSettingsDisableTimeoutValue`
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.3
Description	Defines the time-out duration countdown, in seconds, that the LRA global settings are disabled after a system shutdown and reboot.
Syntax	DellUnsigned32BitRange
Access	Read-only

LRA Global Settings Capabilities Unique

Name	`lRAGlobalSettingsCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.4
Description	Defines the set of global capabilities that all local response agents may or may not allow to be set or reset.
Syntax	DellLocalResponseAgentCapabilitiesUnique (See Table 18-1)
Access	Read-only

LRA Global Thermal Shutdown Capabilities Unique

Name	`lRAGlobalThermalShutdownCapabilitiesUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.5
Description	Defines the set of thermal shutdown capabilities that are supported by the LRA.
Syntax	DellLRAThermalShutdownCapabilitiesUnique
Access	Read-only

LRA Global Thermal Shutdown State Settings Unique

Name	`lRAGlobalThermalShutdownStateSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1500.10.1.6
Description	Defines the set of thermal shutdown state and settings that the local response agent supports.
Syntax	DellLRAThermalShutdownStateSettingsUnique
Access	Read-write

LRA Action Table

The `DellLocalResponseAgentCapabilitiesUnique` variable in the global action table defines the capabilities that are allowed for a particular system. The LRA Action Table that follows selects which of the system's capabilities (global actions) are to be enabled.

Name	`lRAActionTableTable`
Object ID	1.3.6.1.4.1.674.10892.1.1500.20
Description	Defines the LRA Action Table.
Syntax	SEQUENCE OF LRAActionTableTableEntry
Access	Not accessible

LRA Action Table Entry

Name	`lRAActionTableTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1500.20.1
Description	Defines the LRA Action Table entry.
Syntax	LRAActionTableTableEntry
Access	Not accessible
Index	lRAActionTablechassisIndex, lRAActionTableActionNumberIndex

LRA Action Table Chassis Index

Name	`lRAActionTablechassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1500.20.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

LRA Action Table Action Number Index

Name	`lRAActionTableActionNumberIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1500.20.1.2
Description	Defines the LRA action number index. The action number indexes are as follows: • 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 • 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

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-write

LRA Action Table Settings Unique

Name	`lRAActionTableSettingsUnique`
Object ID	1.3.6.1.4.1.674.10892.1.1500.20.1.4
Description	Defines the LRA settings.
Syntax	DellLocalResponseAgentSettingsUnique (See Table 18-3)
Access	Read-write

Local Response Agent Variable Values

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

Table 18-1. LRA Capabilities Definitions

Variable Name: `DellLocalResponseAgentCapabilitiesUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`speakerControlCapable(1)`	The LRA can issue a speaker beep.
`consoleAlertCapable(2)`	The LRA can alert the console.
`broadcastMessageCapable(4)`	The LRA can broadcast a message.
`osShutDownCapable(8)`	The LRA can shut down the operating system.

Table 18-1. LRA Capabilities Definitions *(continued)*

Variable Name: `DellLocalResponseAgentCapabilitiesUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`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 18-2. LRA Thermal Shutdown Capabilities Unique

Variable Name: `DellLRAThermalShutdownCapabilitiesUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The LRA has no thermal shutdown capabilities.
`Unknown capabilities(1)`	The LRA's thermal shutdown capabilities are unknown.
`enableCapable(2)`	The LRA can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value).
`warningCapable(4)`	The LRA can carry out chassis-determined action(s) when a warning condition is detected.
`enableOnWarningCapable(6)`	The LRA enables activation of chassis-determined action(s) when a warning condition is detected.
`failureCapable(8)`	The LRA can carry out chassis-determined action(s) when a failure condition is detected.

Table 18-2. LRA Thermal Shutdown Capabilities Unique *(continued)*

Variable Name: `DellLRAThermalShutdownCapabilitiesUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`enableOnFailureCapable(10)`	The LRA enables activation of chassis-determined action(s) when a failure condition is detected.
`enableOnWarningOrFailure Capable(14)`	The LRA enables activation of chassis-determined action(s) when either a failure or a warning condition is detected.

Table 18-3. Local Response Agent Settings Unique

Variable Name: `DellLocalResponseAgentSettingsUnique` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`speakerControl(1)`	LRA is set to issue a speaker beep.
`consoleAlert(2)`	LRA is set to issue a console alert.
`broadcastMessage(4)`	LRA is set to issue a broadcast message.
`osShutDown(8)`	LRA is set to issue an operating system shutdown.
`reboot(16)`	LRA is set to issue a system reboot.
`powerCycle(32)`	LRA is set to issue a system power cycle.
`powerOFF(64)`	LRA is set to issue a system power off.
`executeApplication(256)`	LRA is set to start a user mode application.
`allLRASettingsUnique(383)`	LRA is set to all LRA settings combinations.

19

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" on page 437
- "COO Service Contract Table" on page 448
- "COO Cost Event Log Table" on page 450
- "COO Warranty Table" on page 452
- "COO Lease Information Table" on page 454
- "COO Schedule Number Table" on page 457
- "COO Options Table" on page 458
- "COO Maintenance Table" on page 460
- "COO Repair Table" on page 462
- "COO Support Information Table" on page 464
- "COO Trouble Ticket Table" on page 466

Cost of Ownership Table

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

Name	`cooTable`
Object ID	1.3.6.1.4.1.674.10892.1.1600.10
Description	Defines the Cost of Ownership Table.
Syntax	SEQUENCE OF CooTableEntry
Access	Not accessible

Cost of Ownership Table Entry

Name	cooTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1
Description	Defines the Cost of Ownership Table entry.
Syntax	CooTableEntry
Access	Not accessible
Index	coochassisIndex

COO Chassis Index

Name	coochassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	CooTableEntry
Access	Read-only

COO State

Name	cooState
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.2
Description	Defines the acquisition state of the system.
Syntax	DellStateSettings
Access	Read-only

COO Acquisition Purchase Cost

Name	cooAquisitionPurchaseCost
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.3
Description	Defines the purchase cost of the system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Acquisition Waybill Number

Name	cooAquisitionWayBillNumber
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.4
Description	Defines the waybill number of the system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Acquisition Install Date Name

Name	cooAquisitionInstallDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.5
Description	Defines the installation date and time for the system.
Syntax	DellDateName
Access	Read-write

COO Acquisition Purchase Order

Name	cooAquisitionPurchaseOrder
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.6
Description	Defines the purchase order number of the system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Acquisition Purchase Date Name

Name	cooAquisitionPurchaseDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.7
Description	Defines the purchase date and time of the system.
Syntax	DellDateName
Access	Read-write

COO Acquisition Signing Authority Name

Name	cooAquisitionSigningAuthorityName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.8
Description	Defines the name of the authorized person who signs for the system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Original Machine Configuration Expensed

Name	cooOriginalMachineConfigurationExpensed
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.9
Description	Specifies whether the purchase of this system was expensed.
Syntax	DellBoolean
Access	Read-write

COO Original Machine Configuration Vendor Name

Name	cooOriginalMachineConfigurationVendorName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.10
Description	Defines the vendor name of the system.
Syntax	DellCostofOwnershipString
Access	Read-only

COO Cost Center Information Vendor Name

Name	cooCostCenterInformationVendorName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.11
Description	Defines the cost center name of the system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO User Information User Name

Name	cooUserInformationUserName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.12
Description	Defines the name of the user for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Extended Warranty Start Date Name

Name	cooExtendedWarrantyStartDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.13
Description	Defines the extended warranty start date for this system.
Syntax	DellDateName
Access	Read-write

COO Extended Warranty End Date Name

Name	cooExtendedWarrantyEndDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.14
Description	Defines the extended warranty end date for this system.
Syntax	DellDateName
Access	Read-write

COO Extended Warranty Cost

Name	cooExtendedWarrantyCost
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.15
Description	Defines the extended warranty cost date for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Extended Warranty Provider Name

Name	cooExtendedWarrantyProviderName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.16
Description	Defines the name of the extended warranty provider for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Ownership Code

Name	cooOwnershipCode
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.17
Description	Defines the ownership code for this system.
Syntax	DellCooOwnershipCodes (See Table 19-1)
Access	Read-write

COO Corporate Owner Name

Name	cooCorporateOwnerName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.18
Description	Defines the name of the corporation that owns this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Hazardous Waste Code Name

Name	cooHazardousWasteCodeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.19
Description	Defines the hazardous waste code for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Deployment Date Length

Name	cooDeploymentDateLength
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.20
Description	Defines the deployment time for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Deployment Duration Type

Name	cooDeploymentDurationType
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.21
Description	Defines the deployment time units for this system.
Syntax	DellCooHourDayDurationType (See Table 19-2)
Access	Read-write

COO Training Name

Name	cooTrainingName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.22
Description	Defines the training that the user has for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Outsourcing Problem Description Name

Name	cooOutsourcingProblemDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.23
Description	Defines a problem encountered with the outsourcing service provider.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Outsourcing Service Fee Name

Name	cooOutsourcingServiceFeeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.24
Description	Defines amount that the outsourcing vendor charges for service.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Outsourcing Signing Authority Name

Name	cooOutsourcingSigningAuthorityName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.25
Description	Defines the name of the person who can sign the authorization for service.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Outsourcing Provider Fee Name

Name	cooOutsourcingProviderFeeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.26
Description	Defines any additional outsourcing charge for service.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Outsourcing Provider Service Level Name

Name	cooOutsourcingProviderServiceLevelName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.27
Description	Defines the service level agreement for the system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Insurance Company Name

Name	cooInsuranceCompanyName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.28
Description	Defines the name of the company that insures this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Box Asset Tag Name

Name	cooBoxAssetTagName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.29
Description	Defines the name of the asset tag.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Box System Name

Name	cooBoxSystemName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.30
Description	Defines the name of the system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Box Central Processing Unit (CPU) Serial Number Name

Name	cooBoxCPUSerialNumberName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.31
Description	Defines the name of the CPU serial number for the system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Operating System Upgrade Type Name

Name	cooOperatingSystemUpgradeTypeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.32
Description	Defines the name of the operating system on this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Operating System Upgrade Patch Level Name

Name	cooOperatingSystemUpgradePatchLevelName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.33
Description	Defines the name of the operating system patch level for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Operating System Upgrade Date

Name	cooOperatingSystemUpgradeDate
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.34
Description	Defines the upgrade file date for this operating system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Depreciation Duration

Name	cooDepreciationDuration
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.35
Description	Defines the length of depreciation for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Depreciation Duration Type

Name	cooDepreciationDurationType
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.36
Description	Defines the unit of time for the depreciation of this system.
Syntax	DellCooMonthYearDurationType
Access	Read-write

COO Depreciation Percentage

Name	cooDepreciationPercentage
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.37
Description	Defines the percentage of depreciation for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Depreciation Method Name

Name	cooDepreciationMethodName
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.38
Description	Defines the name of the depreciation method for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Registration Is Registered

Name	cooRegistrationIsRegistered
Object ID	1.3.6.1.4.1.674.10892.1.1600.10.1.39
Description	Specifies whether this system is registered or not.
Syntax	DellBoolean
Access	Read-write

COO Service Contract Table

The service contract table provides MIB objects that help you track the name, vendor, and type of service contract you have for your system.

Name	cooServiceContractTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.20
Description	Defines the COO Service Contract Table.
Syntax	SEQUENCE OF CooServiceContractTableEntry
Access	Not accessible

COO Service Contract Table Entry

Name	cooServiceContractTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1
Description	Defines the COO Service Contract Table entry.
Syntax	CooServiceContractTableEntry
Access	Not accessible
Index	cooServiceContractchassisIndex, cooServiceContractIndex

COO Service Contract Chassis Index

Name	cooServiceContractchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Service Contract Index

Name	cooServiceContractIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.2
Description	Defines the index (one-based) of this service contract.
Syntax	DellObjectRange
Access	Read-only

COO Service Contract State

Name	cooServiceContractState
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.3
Description	Defines the status of the service contract for this system.
Syntax	DellStateSettings
Access	Read-only

COO Service Contract Was Renewed

Name	cooServiceContractWasRenewed
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.4
Description	Specifies whether the service contract for this system was renewed.
Syntax	DellBoolean
Access	Read-write

COO Service Contract Type Name

Name	cooServiceContractTypeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.5
Description	Defines the name of the service contract type for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Service Contract Vendor Name

Name	cooServiceContractVendorName
Object ID	1.3.6.1.4.1.674.10892.1.1600.20.1.6
Description	Defines the name of the service contract provider for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Cost Event Log Table

The COO Cost Event Log Table provides MIB objects that allow you to track the duration and type of events that are logged for a particular system.

Name	`cooCostEventLogTable`
Object ID	1.3.6.1.4.1.674.10892.1.1600.30
Description	Defines the COO Cost Event Log Table.
Syntax	SEQUENCE OF COO CostEventLogTableEntry
Access	Not accessible

COO Cost Event Log Table Entry

Name	`cooCostEventLogTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1
Description	Defines the COO Cost Event Log Table entry.
Syntax	cooCostEventLogTableEntry
Access	Not accessible
Index	cooCostEventLogchassisIndex, cooCostEventLogIndex

COO Cost Event Log Chassis Index

Name	`cooCostEventLogchassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Cost Event Log Index

Name	`cooCostEventLogIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.2
Description	Defines the index (one-based) of the cost event log.
Syntax	DellObjectRange
Access	Read-only

COO Cost Event Log State

Name	cooCostEventLogState
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.3
Description	Defines the cost event log state of this system.
Syntax	DellStateSettings
Access	Read-only

COO Cost Event Log Duration

Name	cooCostEventLogDuration
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.4
Description	Defines the duration of the event for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Cost Event Log Duration Type

Name	cooCostEventLogDurationType
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.5
Description	Defines the duration type of the event for this system.
Syntax	DellCOOHourDayDurationType (See Table 19-2)
Access	Read-write

COO Cost Event Log Description Name

Name	cooCostEventLogDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1600.30.1.6
Description	Defines the name of the event description.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Warranty Table

The COO Warranty Table objects enable you to track facts about the type and duration of the warranty for a particular system.

Name	`cooWarrantyTable`
Object ID	1.3.6.1.4.1.674.10892.1.1600.40
Description	Defines the COO Warranty Table.
Syntax	SEQUENCE OF CooWarrantyTableEntry
Access	Not accessible

COO Warranty Table Entry

Name	`cooWarrantyTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1
Description	Defines the COO Warranty Table entry.
Syntax	CooWarrantyTableEntry
Access	Not accessible
Index	cooWarrantychassisIndex, cooWarrantyIndex

COO Warranty Chassis Index

Name	`cooWarrantychassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-write

COO Warranty Index

Name	`cooWarrantyIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.2
Description	Defines the index of the warranty for this system.
Syntax	DellObjectRange
Access	Read-only

COO Warranty State

Name	cooWarrantyState
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.3
Description	Defines the state of the warranty for this system.
Syntax	DellStateSettings
Access	Read-only

COO Warranty Duration

Name	cooWarrantyDuration
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.4
Description	Defines the duration of the warranty.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Warranty Duration Type

Name	cooWarrantyDurationType
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.5
Description	Defines the warranty duration type for the system.
Syntax	DellCOODayMonthDurationType
Access	Read-write

COO Warranty End Date Name

Name	cooWarrantyEndDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.6
Description	Defines the warranty end date for this system.
Syntax	DellDateName
Access	Read-write

COO Warranty Cost

Name	cooWarrantyCost
Object ID	1.3.6.1.4.1.674.10892.1.1600.40.1.7
Description	Defines the cost of the warranty for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Lease Information Table

The COO lease information MIB objects enable you to track information about your lessor, lease duration, and lease type for each system.

Name	cooLeaseInformationTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.50
Description	Defines the COO Lease Information Table.
Syntax	SEQUENCE OF CooLeaseInformationTableEntry
Access	Not accessible

COO Lease Information Table Entry

Name	cooLeaseInformationTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1
Description	Defines the COO Lease Information Table entry.
Syntax	CooLeaseInformationTableEntry
Access	Not accessible
Index	cooLeaseInformationchassisIndex, cooLeaseInformationIndex

COO Lease Information Chassis Index

Name	cooLeaseInformationchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Lease Information Index

Name	cooLeaseInformationIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.2
Description	Defines the index of the lease information for this system.
Syntax	DellObjectRange
Access	Read-only

COO Lease Information State

Name	cooLeaseInformationState
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.3
Description	Defines the lease information state for this system.
Syntax	DellStateSettings
Access	Read-write

COO Lease Information Multiple Schedules

Name	cooLeaseInformationMultipleSchedules
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.4
Description	Defines whether there are multiple schedules for this lease.
Syntax	DellBoolean
Access	Read-only

COO Lease Information Buyout Amount

Name	cooLeaseInformationBuyOutAmount
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.5
Description	Defines the balance purchase price for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Lease Information Lease Rate Factor

Name	`cooLeaseInformationLeaseRateFactor`
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.6
Description	Defines the rate factor for the lease on this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Lease Information End Date Name

Name	`cooLeaseInformationEndDateName`
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.7
Description	Defines the end date for the lease on this system.
Syntax	DellDateName
Access	Read-write

COO Lease Information Fair Market Value

Name	`cooLeaseInformationFairMarketValue`
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.8
Description	Defines the fair market value of this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Lease Information Lessor Name

Name	`cooLeaseInformationLessorName`
Object ID	1.3.6.1.4.1.674.10892.1.1600.50.1.9
Description	Defines the name of the lessor of this system.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Schedule Number Table

Name	cooScheduleNumberTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.60
Description	Defines the COO Schedule Number Information Table.
Syntax	SEQUENCE OF CooScheduleNumberTableEntry
Access	Not accessible

COO Schedule Number Table Entry

Name	cooScheduleNumberTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1
Description	Defines the COO Schedule Number Information Table entry.
Syntax	CooScheduleNumberTableEntry
Access	Not accessible
Index	cooScheduleNumberchassisIndex, cooScheduleNumberIndex

COO Schedule Number Chassis Index

Name	cooScheduleNumberchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Schedule Number Index

Name	cooScheduleNumberIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1.2
Description	Defines the index of the schedule number information.
Syntax	DellObjectRange
Access	Read-only

COO Schedule Number State

Name	cooScheduleNumberState
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1.3
Description	Defines the schedule number information state of this system.
Syntax	DellStateSettings
Access	Read-only

COO Schedule Number Lease Information Index Reference

Name	cooScheduleNumberLeaseInformationIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1.4
Description	Defines the lease information index number to reference the schedule number.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Schedule Number Description Name

Name	cooScheduleNumberDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1600.60.1.5
Description	Describes the schedule number information.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Options Table

Name	cooOptionsTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.70
Description	Defines the COO Options Table.
Syntax	SEQUENCE OF CooOptionsTableEntry
Access	Not accessible

COO Options Table Entry

Name	cooOptionsTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1
Description	Defines the COO Options Table entry.
Syntax	CooOptionsTableEntry
Access	Not accessible
Index	cooOptionschassisIndex, cooOptionsIndex

COO Options Chassis Index

Name	cooOptionschassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Options Index

Name	cooOptionsIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1.2
Description	Defines the index (one-based) of the option information for this system.
Syntax	DellObjectRange
Access	Read-only

COO Options State

Name	cooOptionsState
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1.3
Description	Defines the option information state for this system.
Syntax	DellStateSettings
Access	Read-only

COO Options Lease Information Index Reference

Name	cooOptionsLeaseInformationIndexReference
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1.4
Description	Defines the lease information index of the option information for this system.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Options Description Name

Name	cooOptionsDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1600.70.1.5
Description	Defines the option information description name.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Maintenance Table

Name	cooMaintenanceTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.80
Description	Defines the COO Maintenance Table.
Syntax	SEQUENCE OF CooMaintenanceTableEntry
Access	Not accessible

COO Maintenance Table Entry

Name	cooMaintenanceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1
Description	Defines the COO Maintenance Table entry.
Syntax	CooMaintenanceTableEntry
Access	Not accessible
Index	cooMaintenancechassisIndex, cooMaintenanceIndex

COO Maintenance Chassis Index

Name	cooMaintenancechassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Maintenance Index

Name	cooMaintenanceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.2
Description	Defines the index of this system's maintenance information.
Syntax	DellObjectRange
Access	Read-only

COO Maintenance State

Name	cooMaintenanceState
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.3
Description	Defines the state of this system's maintenance information.
Syntax	DellStateSettings
Access	Read-only

COO Maintenance Start Date Name

Name	cooMaintenanceStartDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.4
Description	Defines the start date for maintenance on this system.
Syntax	DellDateName
Access	Read-write

COO Maintenance End Date Name

Name	cooMaintenanceEndDateName
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.5
Description	Defines the end date for maintenance on this system.
Syntax	DellDateName
Access	Read-write

COO Maintenance Provider Name

Name	cooMaintenanceProviderName
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.6
Description	Defines the maintenance provider's name.
Syntax	DellStateSettings
Access	Read-write

COO Maintenance Restrictions Name

Name	cooMaintenanceRestrictionsName
Object ID	1.3.6.1.4.1.674.10892.1.1600.80.1.7
Description	Defines the maintenance agreement restrictions.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Repair Table

Name	cooRepairTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.90
Description	Defines the COO Repair Table.
Syntax	SEQUENCE OF CooRepairTableEntry
Access	Not accessible

COO Repair Table Entry

Name	cooRepairTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1
Description	Defines the COO Repair Table entry.
Syntax	CooRepairTableEntry
Access	Not accessible
Index	cooRepairchassisIndex, cooRepairIndex

COO Repair Chassis Index

Name	cooRepairchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Repair Index

Name	cooRepairIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1.2
Description	Defines the index (one-based) of the repair information for this system.
Syntax	DellObjectRange
Access	Read-only

COO Repair State

Name	cooRepairState
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1.3
Description	Defines the state of the repair information for this system.
Syntax	DellStateSettings
Access	Read-only

COO Repair Counter

Name	cooRepairCounter
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1.4
Description	Defines the number of repairs that this system has undergone.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Repair Vendor Name

Name	cooRepairVendorName
Object ID	1.3.6.1.4.1.674.10892.1.1600.90.1.5
Description	Defines the name of the vendor that repairs this system.
Syntax	DellStateSettings
Access	Read-only

COO Support Information Table

Name	cooSupportInformationTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.100
Description	Defines the COO Support Information Table.
Syntax	SEQUENCE OF cooSupportInformationTableEntry
Access	Not accessible

COO Support Information Table Entry

Name	cooSupportInformationTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1
Description	Defines the COO Support Information Table entry.
Syntax	cooSupportInformationTableEntry
Access	Not accessible
Index	cooSupportInformationchassisIndex cooSupportInformationIndex

COO Support Information Chassis Index

Name	cooSupportInformationchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Support Information Index

Name	cooSupportInformationIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.2
Description	Defines the index (one-based) for this system's support information.
Syntax	DellObjectRange
Access	Read-only

COO Support Information State

Name	cooSupportInformationState
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.3
Description	Defines the support information state for this system.
Syntax	DellStateSettings
Access	Read-only

COO Support Information Is Outsourced

Name	cooSupportInformationIsOutsourced
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.4
Description	Specifies whether the support for this system is outsourced or not.
Syntax	DellBoolean
Access	Read-write

COO Support Information Type

Name	cooSupportInformationType
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.5
Description	Defines the type of component, system, or network problem that occurred.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Support Information Help Desk Name

Name	cooSupportInformationHelpDeskName
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.6
Description	Defines the help desk information provided.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Support Information Fix Type Name

Name	cooSupportInformationFixTypeName
Object ID	1.3.6.1.4.1.674.10892.1.1600.100.1.7
Description	Defines the method used to fix the problem.
Syntax	DellCostofOwnershipString
Access	Read-write

COO Trouble Ticket Table

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

Name	cooTroubleTicketTable
Object ID	1.3.6.1.4.1.674.10892.1.1600.110
Description	Defines the COO Trouble Ticket Table.
Syntax	SEQUENCE OF cooTroubleTicketTableEntry
Access	Not accessible

COO Trouble Ticket Table Entry

Name	cooTroubleTicketTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1
Description	Defines the COO Trouble Ticket Table entry.
Syntax	cooTroubleTicketTableEntry
Access	Not accessible
Index	cooTroubleTicketchassisIndex, cooTroubleTicketIndex

COO Trouble Ticket Chassis Index

Name	cooTroubleTicketchassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

COO Trouble Ticket Index

Name	cooTroubleTicketIndex
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1.2
Description	Defines the index (one-based) of the system's trouble ticket information.
Syntax	DellObjectRange
Access	Read-only

COO Trouble Ticket State

Name	cooTroubleTicketState
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1.3
Description	Defines the trouble ticket information state for this system.
Syntax	DellStateSettings
Access	Read-only

COO Trouble Ticket Support Information Index Reference

Name	`cooTroubleTicketSupportInformationIndexReference`
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1.4
Description	Defines the support information index that references the trouble ticket.
Syntax	DellUnsigned32BitRange
Access	Read-write

COO Trouble Ticket Number Name

Name	`cooTroubleTicketNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1600.110.1.5
Description	Defines the trouble ticket number for this system.
Syntax	DellCostofOwnershipString
Access	Read-write

Cost of Ownership Variable Values

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

Table 19-1. COO Ownership Codes

Variable Name: `DellCooOwnershipCodes`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`other(1)`	The ownership code is not one of following:
`unknown(2)`	The ownership code is unknown.
`owned(3)`	The ownership code is owned.
`leased(4)`	The ownership code is leased.
`rented(5)`	The ownership code is rented.
`offOfLease(6)`	The ownership code is off of lease.
`transfer(7)`	The ownership code is transfer.

Table 19-2. COO Hour Day Duration Type

Variable Name: `DellCooHourDayDurationType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Duration time type is unknown.
`hours(2)`	Duration time type is in hours.
`days(3)`	Duration time type is in days.

Table 19-3. COO Day Month Duration Type

Variable Name: `DellCooDayMonthDurationType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Duration time type is unknown.
`days(3)`	Duration time type is in days.
`months(4)`	Duration time type is in months.

Table 19-4. COO Month Year Duration Type

Variable Name: `DellCooMonthYearDurationType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	Duration time type is unknown.
`months(4)`	Duration time type is in months.
`years(5)`	Duration time type is in years.

20

Remote Access Group

The Remote Access Group provides information about the remote access hardware that may be present in your system. In addition to providing general information about the capabilities and settings of the remote access hardware, this group provides information about administrative users, SNMP trap destinations, modem configuration for dial-up networking, dial-in configuration, and dial-out destinations.

DRAC 4 and DRAC 5

On systems with Dell Remote Access Controller (DRAC) 4 or DRAC 5, the Remote Access Group includes only the Remote Access Table.

Remote Access Table

The following MIB object sets up the Remote Access Table.

Name	`remoteAccessTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10
Description	Defines the Remote Access Table.
Syntax	SEQUENCE OF RemoteAccessTableEntry
Access	Not accessible

Remote Access Table Entry

Name	`remoteAccessTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1
Description	Defines the Remote Access Table entry.
Syntax	RemoteAccessTableEntry
Access	Not accessible
Index	remoteAccessChassisIndex, remoteAccessAdapterIndex

Remote Access Chassis Index

Name	`remoteAccessChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Access Adapter Index

Name	`remoteAccessAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.2
Description	Defines the index (one-based) of the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Access Type

Name	`remoteAccessType`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.3
Description	Defines the type of remote access hardware.
Syntax	DellRemoteAccessType (See Table 20-1)
Access	Read-only

Remote Access State Capabilities

Name	`remoteAccessStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.4
Description	Defines the state capabilities of the remote access hardware.
Syntax	DellStateCapabilities
Access	Read-only

Remote Access State Settings

Name	`remoteAccessStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.5
Description	Defines the state setting of the remote access hardware.
Syntax	DellStateSettings
Access	Read-write

Remote Access Status

Name	`remoteAccessStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.6
Description	Defines the status of the remote access hardware.
Syntax	DellStatus
Access	Read-only

Remote Access Product Info Name

Name	`remoteAccessProductInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.7
Description	Defines the name of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..63))
Access	Read-only

Remote Access Description Info Name

Name	`remoteAccessDescriptionInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.8
Description	Defines the description of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..255))
Access	Read-only

Remote Access Version Info Name

Name	`remoteAccessVersionInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.9
Description	Defines the version of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..63))
Access	Read-only

Remote Access Local Area Network (LAN) Capabilities

Name	`remoteAccessLANCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.14
Description	Defines the LAN capabilities of the remote access hardware.
Syntax	DellRemoteAccessLANCapabilities (See Table 20-6)
Access	Read-only

Remote Access LAN Settings

Name	`remoteAccessLANSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.15
Description	Defines the LAN settings of the remote access hardware.
Syntax	DellRemoteAccessLANSettings (See Table 20-7)
Access	Read-write

Remote Access Network Interface Controller (NIC) Static IP Address

Name	`remoteAccessNICStaticIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.25
Description	Defines the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access NIC Static Netmask Address

Name	`remoteAccessNICStaticNetmaskAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.26
Description	Defines the netmask for the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access NIC Static Gateway Address

Name	`remoteAccessNICStaticGatewayAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.27
Description	Defines the IP address for the gateway associated with the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access Personal Computer Memory Card International Association (PCMCIA) Info Name

Name	`remoteAccessPCMCIAInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.28
Description	Defines the information for the PCMCIA device used by the remote access hardware.
Syntax	DisplayString (SIZE (0..63))
Access	Read-only

Remote Access Miscellaneous Information Name

Name	`remoteAccessMiscInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.29
Description	Defines the miscellaneous information for the remote access hardware.
Syntax	DisplayString (SIZE (0..63))
Access	Read-write

Remote Access NIC Current IP Address

Name	`remoteAccessNICCurrentIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.30
Description	Defines the IP address currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Netmask Address

Name	`remoteAccessNICCurrentNetmaskAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.31
Description	Defines the netmask currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Gateway Address

Name	`remoteAccessNICCurrentGatewayAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.32
Description	Defines the IP address for the gateway currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Information From Dynamic Host Configuration Protocol (DHCP)

Name	`remoteAccessNICCurrentInfoFromDHCP`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.33
Description	Defines whether DHCP was used to obtain the NIC information currently being used by the integrated NIC provided by the remote access hardware.
Syntax	DellBoolean
Access	Read-only

Remote Access Remote Connect URL

Name	`remoteAccessRemoteConnectURL`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.34
Description	Defines the URL for launching the Remote Access Remote Connect Interface.
Syntax	DisplayString (SIZE (0..63))
Access	Mandatory

DRAC III

On systems with DRAC III, the Remote Access Group includes the following MIB tables:

- "Remote Access Table" on page 478
- "Remote User Administration Table" on page 487
- "Remote SNMP Trap Table" on page 495
- "Remote Dial-Up Table" on page 500
- "Remote User Dial-In Configuration Table" on page 504
- "Remote Dial-Out Table" on page 507

Remote Access Table

The following MIB object sets up the Remote Access Table.

Name	`remoteAccessTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10
Description	Defines the Remote Access Table.
Syntax	SEQUENCE OF RemoteAccessTableEntry
Access	Not accessible

Remote Access Table Entry

Name	`remoteAccessTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1
Description	Defines the Remote Access Table entry.
Syntax	RemoteAccessTableEntry
Access	Not accessible
Index	remoteAccessChassisIndex, remoteAccessAdapterIndex

Remote Access Chassis Index

Name	`remoteAccessChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Access Adapter Index

Name	`remoteAccessAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.2
Description	Defines the index (one-based) of the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Access Type

Name	`remoteAccessType`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.3
Description	Defines the type of remote access hardware.
Syntax	DellRemoteAccessType (See Table 20-1)
Access	Read-only

Remote Access State Capabilities

Name	`remoteAccessStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.4
Description	Defines the state capabilities of the remote access hardware.
Syntax	DellStateCapabilities
Access	Read-only

Remote Access State Settings

Name	`remoteAccessStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.5
Description	Defines the state setting of the remote access hardware.
Syntax	DellStateSettings
Access	Read-write

Remote Access Status

Name	`remoteAccessStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.6
Description	Defines the status of the remote access hardware.
Syntax	DellStatus
Access	Read-only

Remote Access Product Info Name

Name	`remoteAccessProductInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.7
Description	Defines the name of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..63))
Access	Read-only

Remote Access Description Info Name

Name	`remoteAccessDescriptionInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.8
Description	Defines the description of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..255))
Access	Read-only

Remote Access Version Info Name

Name	`remoteAccessVersionInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.9
Description	Defines the version of the product providing the remote access functionality.
Syntax	DellDisplayString (SIZE (0..63))
Access	Read-only

Remote Access Control Capabilities

Name	`remoteAccessControlCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.10
Description	Defines the control capabilities of the remote access hardware.
Syntax	DellRemoteAccessControlCapabilities (See Table 20-2)
Access	Read-only

Remote Access Control Settings

Name	`remoteAccessControlSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.11
Description	Defines the control settings of the remote access hardware.
Syntax	DellRemoteAccessControlSettings (See Table 20-3)
Access	Read-write

Remote Access Monitor Capabilities

Name	`remoteAccessMonitorCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.12
Description	Defines the monitor capabilities of the remote access hardware.
Syntax	DellRemoteAccessMonitorCapabilities (See Table 20-4)
Access	Read-only

Remote Access Monitor Settings

Name	`remoteAccessMonitorSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.13
Description	Defines the monitor settings of the remote access hardware.
Syntax	DellRemoteAccessMonitorSettings (See Table 20-5)
Access	Read-write

Remote Access Local Area Network (LAN) Capabilities

Name	`remoteAccessLANCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.14
Description	Defines the LAN capabilities of the remote access hardware.
Syntax	DellRemoteAccessLANCapabilities (See Table 20-6)
Access	Read-only

Remote Access LAN Settings

Name	`remoteAccessLANSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.15
Description	Defines the LAN settings of the remote access hardware.
Syntax	DellRemoteAccessLANSettings (See Table 20-7)
Access	Read-write

Remote Access Host Capabilities

Name	`remoteAccessHostCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.16
Description	Defines the host capabilities of the remote access hardware.
Syntax	DellRemoteAccessHostCapabilities (See Table 20-8)
Access	Read-only

Remote Access Host Settings

Name	`remoteAccessHostSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.17
Description	Defines the host settings of the remote access hardware.
Syntax	DellRemoteAccessHostSettings (See Table 20-9)
Access	Read-write

Remote Access Out-of-Band Simple Network Management Protocol (SNMP) Capabilities

Name	`remoteAccessOutOfBandSNMPCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.18
Description	Defines the out-of-band SNMP capabilities of the remote access hardware.
Syntax	DellRemoteAccessOutOfBandSNMPCapabilities (See Table 20-10)
Access	Read-only

Remote Access Out-of-Band SNMP Settings

Name	`remoteAccessOutOfBandSNMPSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.19
Description	Defines the out-of-band SNMP settings of the remote access hardware.
Syntax	DellRemoteAccessOutOfBandSNMPSettings (See Table 20-11)
Access	Read-write

Remote Access Simple Mail Transfer Protocol (SMTP) Server Internet Protocol (IP) Address

Name	`remoteAccessSMTPServerIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.20
Description	Defines the IP address for the SMTP server used by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access Floppy Trivial File Transfer Protocol (TFTP) IP Address

Name	`remoteAccessFloppyTFTPIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.21
Description	Defines the IP address of the TFTP server providing the operating system image used by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access Floppy TFTP Path Name

Name	`remoteAccessFloppyTFTPPathName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.22
Description	Defines the file name of the operating system image obtained from the TFTP server used by the remote access hardware.
Syntax	DisplayString (SIZE (0..255))
Access	Read-write

Remote Access Firmware Update IP Address

Name	`remoteAccessFirmwareUpdateIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.23
Description	Defines the IP address of the update server providing the firmware image used by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access Firmware Update Path Name

Name	`remoteAccessFirmwareUpdatePathName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.24
Description	Defines the file name of the firmware image obtained from the update server used by the remote access hardware.
Syntax	DisplayString (SIZE (0..255))
Access	Read-write

Remote Access Network Interface Controller (NIC) Static IP Address

Name	`remoteAccessNICStaticIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.25
Description	Defines the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access NIC Static Netmask Address

Name	`remoteAccessNICStaticNetmaskAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.26
Description	Defines the netmask for the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access NIC Static Gateway Address

Name	`remoteAccessNICStaticGatewayAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.27
Description	Defines the IP address for the gateway associated with the static IP address to be used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-write

Remote Access Personal Computer Memory Card International Association (PCMCIA) Info Name

Name	`remoteAccessPCMCIAInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.28
Description	Defines the information for the PCMCIA device used by the remote access hardware.
Syntax	DisplayString (SIZE (0..63))
Access	Read-only

Remote Access Miscellaneous Information Name

Name	`remoteAccessMiscInfoName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.29
Description	Defines the miscellaneous information for the remote access hardware.
Syntax	DisplayString (SIZE (0..63))
Access	Read-write

Remote Access NIC Current IP Address

Name	`remoteAccessNICCurrentIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.30
Description	Defines the IP address currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Netmask Address

Name	`remoteAccessNICCurrentNetmaskAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.31
Description	Defines the netmask currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Gateway Address

Name	`remoteAccessNICCurrentGatewayAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.32
Description	Defines the IP address for the gateway currently being used by the integrated NIC provided by the remote access hardware.
Syntax	IpAddress
Access	Read-only

Remote Access NIC Current Information From Dynamic Host Configuration Protocol (DHCP)

Name	`remoteAccessNICCurrentInfoFromDHCP`
Object ID	1.3.6.1.4.1.674.10892.1.1700.10.1.33
Description	Defines whether DHCP was used to obtain the NIC information currently being used by the integrated NIC provided by the remote access hardware.
Syntax	DellBoolean
Access	Read-only

Remote User Administration Table

Name	`remoteUserAdminTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20
Description	Defines the Remote Access User Administration Table.
Syntax	SEQUENCE OF RemoteUserAdminTableEntry
Access	Not accessible

Remote User Admin Table Entry

Name	`remoteUserAdminTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1
Description	Defines the Remote Access User Administration Table entry.
Syntax	RemoteUserAdminTableEntry
Access	Not accessible
Index	remoteUserAdminChassisIndex, remoteUserAdminAdapterIndex, remoteUserAdminUserIndex

Remote User Admin Chassis Index

Name	`remoteUserAdminChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote User Admin Adapter Index

Name	`remoteUserAdminAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.2
Description	Defines the index (one-based) of the remote access hardware used by this remote access user.
Syntax	DellObjectRange
Access	Read-only

Remote User Admin User Index

Name	`remoteUserAdminUserIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.3
Description	Defines the index (one-based) of this remote access user.
Syntax	DellObjectRange
Access	Read-only

Remote User Admin State Capabilities

Name	`remoteUserAdminStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.4
Description	Defines the state capabilities for this remote access user.
Syntax	DellRemoteUserAdminStateCapabilities (See Table 20-12)
Access	Read-only

Remote User Admin State Settings

Name	`remoteUserAdminStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.5
Description	Defines the state settings for this remote access user.
Syntax	DellRemoteUserAdminStateSettings (See Table 20-13)
Access	Read-write

Remote User Admin Status

Name	`remoteUserAdminStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.6
Description	Defines the status for this remote access user.
Syntax	DellStatus
Access	Read-only

Remote User Admin User Name

Name	`remoteUserAdminUserName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.7
Description	Defines the user name for this remote access user.
Syntax	DisplayString (SIZE (0..19))
Access	Read-write

Remote User Admin User Password Name

Name	`remoteUserAdminUserPasswordName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.8
Description	Defines the password for this remote access user.
Syntax	DisplayString (SIZE (0..255))
Access	Read-write

Remote User Admin User Privilege

Name	remoteUserAdminUserPrivilege
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.9
Description	Defines the privileges for this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin User Privilege Capabilities

Name	remoteUserAdminUserPrivilegeCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.10
Description	Defines the privilege capabilities for this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-only

Remote User Admin Alert Filter DRS Events Mask

Name	remoteUserAdminAlertFilterDrsEventsMask
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.11
Description	Defines the DRS events filter mask for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Admin Alert Filter System Events Mask

Name	remoteUserAdminAlertFilterSysEventsMask
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.12
Description	Defines the system events filter mask for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Admin Alert Filter DRS Capabilities

Name	`remoteUserAdminAlertFilterDrsCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.13
Description	Defines the DRS events filter capabilities for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-only

Remote User Admin Alert Filter System Capabilities

Name	`remoteUserAdminAlertFilterSysCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.14
Description	Defines the system events filter capabilities for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-only

Remote User Admin Pager Numeric Number Name

Name	`remoteUserAdminPagerNumericNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.15
Description	Defines the numeric pager number for this remote access user.
Syntax	DisplayString (SIZE (0..95))
Access	Read-write

Remote User Admin Pager Numeric Message Name

Name	`remoteUserAdminPagerNumericMessageName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.16
Description	Defines the message to send to the numeric pager for this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Pager Numeric Hang-up Delay

Name	`remoteUserAdminPagerNumericHangupDelay`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.17
Description	Defines the numeric pager hang-up delay for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Admin Pager Alpha Phone Number Name

Name	`remoteUserAdminPagerAlphaPhoneNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.18
Description	Defines the alphanumeric pager phone number for this remote access user.
Syntax	DisplayString (SIZE (0..95))
Access	Read-write

Remote User Admin Pager Alpha Protocol

Name	`remoteUserAdminPagerAlphaProtocol`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.19
Description	Defines the protocol used by the alphanumeric pager provider for this remote access user.
Syntax	DellRemoteUserAdminAlphaProtocolType (See Table 20-16)
Access	Read-write

Remote User Admin Pager Alpha Baud Rate

Name	`remoteUserAdminPagerAlphaBaudRate`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.20
Description	Defines the baud rate used by the alphanumeric pager provider for this remote access user.
Syntax	DellRemoteUserAdminAlphaBaudType (See Table 20-17)
Access	Read-write

Remote User Admin Pager Alpha Custom Message Name

Name	`remoteUserAdminPagerAlphaCustomMessageName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.21
Description	Defines the message to be sent to the alphanumeric pager to inform the user of a call by this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Pager Alpha Modem Connect Time-out

Name	`remoteUserAdminPagerAlphaModemConnectTimeout`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.22
Description	Defines the modem connection time-out for the alphanumeric pager for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Admin Pager Alpha Pager ID Name

Name	`remoteUserAdminPagerAlphaPagerIdName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.23
Description	Defines the ID to be sent to the alphanumeric pager to inform the user of a call by this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Pager Alpha Password Name

Name	`remoteUserAdminPagerAlphaPasswordName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.24
Description	Defines the password for the alphanumeric pager for this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Pager Modem Init String Name

Name	remoteUserAdminPagerModemInitStringName
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.25
Description	Defines the initialization string to be sent to the pager modem for this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Pager Modem Port

Name	remoteUserAdminPagerModemPort
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.26
Description	Defines the port for the pager modem for this remote access user.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Admin E-Mail Address Name

Name	remoteUserAdminEmailAddressName
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.27
Description	Defines the e-mail address for this remote access user.
Syntax	DisplayString (SIZE (0..63))
Access	Read-write

Remote User Admin E-Mail Custom Message Name

Name	remoteUserAdminEmailCustomMessageName
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.28
Description	Defines the e-mail message to send to this remote access user.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote User Admin Control Capabilities

Name	`remoteUserAdminControlCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.29
Description	Defines the control capabilities for this remote access user.
Syntax	DellRemoteUserAdminControlCapabilities (See Table 20-14 on page 517)
Access	Read-only

Remote User Admin Control Settings

Name	`remoteUserAdminControlSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.30
Description	Defines the control settings for this remote access user.
Syntax	DellRemoteUserAdminControlSettings (See Table 20-15)
Access	Read-write

Remote User Admin User Type

Name	`remoteUserAdminUserType`
Object ID	1.3.6.1.4.1.674.10892.1.1700.20.1.31
Description	Defines the type of user for this remote access user.
Syntax	DellUnsigned8BitRange
Access	Read-write

Remote SNMP Trap Table

Name	`remoteSNMPTrapTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30
Description	Defines the Remote Access SNMP Trap Destination Table.
Syntax	SEQUENCE OF RemoteSNMPTrapTableEntry
Access	Not accessible

Remote SNMP Trap Table Entry

Name	`remoteSNMPTrapTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1
Description	Defines the Remote Access SNMP Trap Destination Table entry.
Syntax	RemoteSNMPTrapTableEntry
Access	Not accessible
Index	remoteSNMPTrapChassisIndex, remoteSNMPTrapAdapterIndex, remoteSNMPTrapIndex

Remote SNMP Trap Chassis Index

Name	`remoteSNMPTrapChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote SNMP Trap Adapter Index

Name	`remoteSNMPTrapAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.2
Description	Defines the index (one-based) of the remote access hardware that uses this SNMP trap destination.
Syntax	DellObjectRange
Access	Read-only

Remote SNMP Trap Index

Name	`remoteSNMPTrapIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.3
Description	Defines the index (one-based) of this remote access SNMP trap destination.
Syntax	DellObjectRange
Access	Read-only

Remote SNMP Trap State Capabilities

Name	`remoteSNMPTrapStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.4
Description	Defines the state capabilities of this remote access SNMP trap destination.
Syntax	DellRemoteSNMPTrapStateCapabilities (See Table 20-18)
Access	Read-only

Remote SNMP Trap State Settings

Name	`remoteSNMPTrapStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.5
Description	Defines the state settings of this remote access SNMP trap destination.
Syntax	DellRemoteSNMPTrapStateSettings (See Table 20-19)
Access	Read-write

Remote SNMP Trap Status

Name	`remoteSNMPTrapStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.6
Description	Defines the status of this remote access SNMP trap destination.
Syntax	DellStatus
Access	Read-only

Remote SNMP Trap Destination IP Address

Name	`remoteSNMPTrapDestinationIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.7
Description	Defines the IP address of this remote access SNMP trap destination.
Syntax	IpAddress
Access	Read-write

Remote SNMP Trap SNMP Community Name

Name	`remoteSNMPTrapSNMPCommunityName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.8
Description	Defines the community for traps sent to this remote access SNMP trap destination.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote SNMP Trap Filter DRS Events Mask

Name	`remoteSNMPTrapFilterDrsEventsMask`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.9
Description	Defines the DRS events filter mask for this remote access SNMP trap destination.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote SNMP Trap Filter System Events Mask

Name	`remoteSNMPTrapFilterSysEventsMask`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.10
Description	Defines the system events filter mask for this remote access SNMP trap destination.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote SNMP Trap Filter DRS Capabilities

Name	`remoteSNMPTrapFilterDrsCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.11
Description	Defines the DRS events filter capabilities for this remote access SNMP trap destination.
Syntax	DellUnsigned32BitRange
Access	Read-only

Remote SNMP Trap Filter System Capabilities

Name	`remoteSNMPTrapFilterSysCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.12
Description	Defines the system events filter capabilities of this remote access SNMP trap destination.
Syntax	DellUnsigned32BitRange
Access	Read-only

Remote SNMP Trap Control Capabilities

Name	`remoteSNMPTrapControlCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.13
Description	Defines the control capabilities of this remote access SNMP trap destination.
Syntax	DellRemoteSNMPTrapControlCapabilities (See Table 20-20)
Access	Read-only

Remote SNMP Trap Control Settings

Name	`remoteSNMPTrapControlSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.30.1.14
Description	Defines the control settings of this remote access SNMP trap destination.
Syntax	DellRemoteSNMPTrapControlSettings (See Table 20-21)
Access	Read-write

Remote Dial-Up Table

Name	`remoteDialUpTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40
Description	Defines the Remote Access Dial-Up Table.
Syntax	SEQUENCE OF RemoteDialUpTableEntry
Access	Not accessible

Remote Dial-Up Table Entry

Name	`remoteDialUpTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1
Description	Defines the Remote Access Dial-Up Table entry.
Syntax	RemoteDialUpTableEntry
Access	Not accessible
Index	remoteDialUpChassisIndex, remoteDialUpAdapterIndex, remoteDialUpIndex

Remote Dial-Up Chassis Index

Name	`remoteDialUpChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Up Adapter Index

Name	`remoteDialUpAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.2
Description	Defines the index (one-based) of the remote access hardware that supports this remote access dial-up functionality.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Up Index

Name	`remoteDialUpIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.3
Description	Defines the index (one-based) of this remote access dial-up functionality.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Up State Capabilities

Name	`remoteDialUpStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.4
Description	Defines the state capabilities of this remote access dial-up functionality.
Syntax	DellRemoteDialUpStateCapabilities (See Table 20-22)
Access	Read-only

Remote Dial-Up State Settings

Name	`remoteDialUpStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.5
Description	Defines the state settings of this remote access dial-up functionality.
Syntax	DellRemoteDialUpStateSettings (See Table 20-23)
Access	Read-write

Remote Dial-Up Status

Name	`remoteDialUpStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.6
Description	Defines the status of this remote access dial-up functionality.
Syntax	DellStatus
Access	Read-only

Remote Dial-Up PPP Dial-In Base IP Address

Name	`remoteDialUpPPPDialInBaseIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.7
Description	Defines the base IP address of the PPP server for this remote access dial-up functionality.
Syntax	IpAddress
Access	Read-write

Remote Dial-Up PPP Dial-In Idle Time-out

Name	`remoteDialUpPPPDialInIdleTimeout`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.8
Description	Defines the PPP idle time-out value in seconds for this remote access dial-up functionality.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote Dial-Up PPP Dial-In Maximum Connection Time-out

Name	`remoteDialUpPPPDialInMaxConnectTimeout`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.9
Description	Defines the PPP connect time-out value in seconds for this remote access dial-up functionality.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote Dial-Up Dial-Out Modem Connect Time-out

Name	`remoteDialUpDialOutModemConnectTimeout`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.10
Description	Defines the modem dial-out time-out value in seconds for this remote access dial-up functionality.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote Dial-Up Modem Dial Type

Name	`remoteDialUpModemDialType`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.11
Description	Defines the dial type for the modem used by this remote access dial-up functionality.
Syntax	DellRemoteDialUpModemDialType (See Table 20-24)
Access	Read-write

Remote Dial-Up Modem Init String Name

Name	`remoteDialUpModemInitStringName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.12
Description	Defines the initialization string to be sent to the modem for this remote access dial-up functionality.
Syntax	DisplayString (SIZE (0..63))
Access	Read-write

Remote Dial-Up Modem Baud Rate

Name	`remoteDialUpModemBaudRate`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.13
Description	Defines the baud rate for the modem used by this remote access dial-up functionality.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote Dial-Up Modem Port

Name	`remoteDialUpModemPort`
Object ID	1.3.6.1.4.1.674.10892.1.1700.40.1.14
Description	Defines the port for the modem used by this remote access dial-up functionality.
Syntax	DellUnsigned32BitRange
Access	Read-write

Remote User Dial-In Configuration Table

Name	`remoteUserDialInCfgTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50
Description	Defines the Remote Access User Dial-In Configuration Table.
Syntax	SEQUENCE OF RemoteUserDialInCfgTableEntry
Access	Not accessible

Remote User Dial-In Configuration Table Entry

Name	`remoteUserDialInCfgTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1
Description	Defines the Remote Access User Dial-In Configuration Table entry.
Syntax	RemoteUserDialInCfgTableEntry
Access	Not accessible
Index	remoteUserDialInCfgChassisIndex, remoteUserDialInCfgAdapterIndex, remoteUserDialInCfgUserIndex

Remote User Dial-In Configuration Chassis Index

Name	`remoteUserDialInCfgChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote User Dial-In Configuration Adapter Index

Name	`remoteUserDialInCfgAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.2
Description	Defines the index (one-based) of the remote access hardware that supports this remote access dial-in user.
Syntax	DellObjectRange
Access	Read-only

Remote User Dial-In Configuration User Index

Name	`remoteUserDialInCfgUserIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.3
Description	Defines the index (one-based) of this remote access dial-in user.
Syntax	DellObjectRange
Access	Read-only

Remote User Dial-In Configuration State Capabilities

Name	`remoteUserDialInCfgStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.4
Description	Defines the state capabilities of this remote access dial-in user.
Syntax	DellRemoteUserDialInStateCapabilities (See Table 20-25)
Access	Read-only

Remote User Dial-In Configuration State Settings

Name	`remoteUserDialInCfgStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.5
Description	Defines the state settings of this remote access dial-in user.
Syntax	DellRemoteUserDialInStateSettings (See Table 20-26)
Access	Read-write

Remote User Dial-In Configuration Status

Name	`remoteUserDialInCfgStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.6
Description	Defines the status of this remote access dial-in user.
Syntax	DellStatus
Access	Read-only

Remote User Dial-In Configuration PPP Username

Name	`remoteUserDialInCfgPPPUserName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.7
Description	Defines the PPP user name of this remote access dial-in user.
Syntax	DisplayString (SIZE (0..15))
Access	Read-write

Remote User Dial-In Configuration PPP User Password Name

Name	`remoteUserDialInCfgPPPUserPasswordName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.8
Description	Defines the PPP password of this remote access dial-in user.
Syntax	DisplayString (SIZE (0..15))
Access	Read-write

Remote User Dial-In Configuration Callback Phone Number Name

Name	`remoteUserDialInCfgCallbackPhoneNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.50.1.9
Description	Defines the callback phone number for this remote access dial-in user.
Syntax	DisplayString (SIZE (0..95))
Access	Read-write

Remote Dial-Out Table

Name	`remoteDialOutTable`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60
Description	Defines the Remote Access Dial-Out Table.
Syntax	SEQUENCE of RemoteDialOutTableEntry
Access	Not accessible

Remote Dial-Out Table Entry

Name	`remoteDialOutTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1
Description	Defines the Remote Access Dial-Out Table entry.
Syntax	RemoteDialOutTableEntry
Access	Not accessible
Index	remoteDialOutChassisIndex, remoteDialOutAdapterIndex, remoteDialOutDialOutIndex

Remote Dial-Out Chassis Index

Name	`remoteDialOutChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.1
Description	Defines the index (one-based) of the chassis containing the remote access hardware.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Out Adapter Index

Name	`remoteDialOutAdapterIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.2
Description	Defines the index (one-based) of the remote access hardware that supports this remote access dial-out functionality.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Out Dial-Out Index

Name	`remoteDialOutDialOutIndex`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.3
Description	Defines the index (one-based) of this remote access dial-out functionality.
Syntax	DellObjectRange
Access	Read-only

Remote Dial-Out State Capabilities

Name	`remoteDialOutStateCapabilities`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.4
Description	Defines the state capabilities of this remote access dial-out functionality.
Syntax	DellRemoteDialOutStateCapabilities (See Table 20-27)
Access	Read-only

Remote Dial-Out State Settings

Name	`remoteDialOutStateSettings`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.5
Description	Defines the state settings of this remote access dial-out functionality.
Syntax	DellRemoteDialOutStateSettings (See Table 20-28)
Access	Read-write

Remote Dial-Out Status

Name	`remoteDialOutStatus`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.6
Description	Defines the status of this remote access dial-out functionality.
Syntax	DellStatus
Access	Read-only

Remote Dial-Out IP Address

Name	`remoteDialOutIPAddress`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.7
Description	Defines the IP address for this remote access dial-out destination.
Syntax	IpAddress
Access	Read-write

Remote Dial-Out Phone Number Name

Name	`remoteDialOutPhoneNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.8
Description	Defines the phone number for this remote access dial-out destination.
Syntax	DisplayString (SIZE (0..95))
Access	Read-write

Remote Dial-Out PPP Username

Name	`remoteDialOutPPPUserName`
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.9
Description	Defines the PPP username for this remote access dial-out destination.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote Dial-Out PPP Password Name

Name	remoteDialOutPPPPasswordName
Object ID	1.3.6.1.4.1.674.10892.1.1700.60.1.10
Description	Defines the PPP password for this remote access dial-out destination.
Syntax	DisplayString (SIZE (0..31))
Access	Read-write

Remote Access Variable Values

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

Table 20-1. Remote Access Type

Variable Name: DellRemoteAccessType	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
remoteAccessTypeIsOther(1)	The remote access type is not one of the following:
remoteAccessTypeIsUnknown(2)	The remote access type is unknown.
remoteAccessTypeIsDRACIII(3)	The remote access type is DRAC III.
remoteAccessTypeIsERA(4)	The remote access type is ERA.

Table 20-2. Remote Access Control Capabilities

Variable Name: DellRemoteAccessControlCapabilities	
Data Type: Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	The remote access hardware has no control capabilities.
unknownCapabilities(1)	The remote access hardware control capabilities are unknown.

Table 20-2. Remote Access Control Capabilities *(continued)*

Variable Name: `DellRemoteAccessControlCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`logResetCapable(2)`	The remote access hardware can reset its integrated logs.
`hardResetCapable(4)`	The remote access hardware can perform a hard reset.
`softResetCapable(8)`	The remote access hardware can perform a soft reset.
`gracefulResetCapable(16)`	The remote access hardware can gracefully shut down and perform a soft reset.
`defaultConfigResetCapable(32)`	The remote access hardware can reset to its default settings.
`shutdownCapable(64)`	The remote access hardware can shut down.

Table 20-3. Remote Access Control Settings

Variable Name: `DellRemoteAccessControlSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no control settings.
`unknown(1)`	The remote access hardware control settings are unknown.
`logReset(2)`	The remote access hardware resets its integrated logs.
`hardReset(4)`	The remote access hardware performs a hard reset.
`softReset(8)`	The remote access hardware performs a soft reset.
`gracefulReset(16)`	The remote access hardware shuts down and perform a soft reset.

Table 20-3. Remote Access Control Settings *(continued)*

Variable Name: `DellRemoteAccessControlSettings`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`defaultConfigReset(32)`	The remote access hardware resets to its default settings.
`shutdown(64)`	The remote access hardware shuts down.

Table 20-4. Remote Access Monitor Capabilities

Variable Name: `DellRemoteAccessMonitorCapabilities`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no monitor capabilities.
`unknownCapabilities(1)`	The remote access hardware monitor capabilities are unknown.
`extPwrSupplyMonitorIfConnectedCapable(2)`	The remote access hardware can be set to monitor the external power supply, if connected.
`extPwrSupplyMonitorAlwaysEnabledCapable(4)`	The remote access hardware can be set to always monitor the external power supply.

Table 20-5. Remote Access Monitor Settings

Variable Name: `DellRemoteAccessMonitorSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no monitor settings.
`unknown(1)`	The remote access hardware monitor settings are unknown.
`extPwrSupplyMonitorIfConnectedEnabled(2)`	The remote access hardware monitors the external power supply, if connected.
`extPwrSupplyMonitorAlwaysEnabledEnabled(4)`	The remote access hardware always monitors the external power supply.

Table 20-6. Remote Access Local Area Network (LAN) Capabilities

Variable Name: `DellRemoteAccessLANCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no LAN capabilities.
`unknownCapabilities(1)`	The remote access hardware LAN capabilities are unknown.
`nicCapable(2)`	The remote access hardware has a network interface controller (NIC).
`nicDHCPCapable(4)`	The remote access hardware NIC can use DHCP to obtain an IP address.

Table 20-7. Remote Access LAN Settings

Variable Name: `DellRemoteAccessLANSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no LAN settings.
`unknown(1)`	The remote access hardware LAN settings are unknown.
`nicEnabled(2)`	The remote access hardware NIC is enabled.
`nicDHCPEnabled(4)`	The remote access hardware NIC uses DHCP to obtain an IP address.

Table 20-8. Remote Access Host Capabilities

Variable Name: `DellRemoteAccessHostCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no host capabilities.
`unknownCapabilities(1)`	The remote access hardware host capabilities are unknown.
`smtpEmailCapable(2)`	The remote access hardware supports sending e-mail using SMTP.
`tftpRemoteFloppyCapable(4)`	The remote access hardware supports remote floppy boot using a TFTP server.
`tftpRemoteFwUpdateCapable(8)`	The remote access hardware supports remote firmware update using a TFTP server.

Table 20-9. Remote Access Host Settings

Variable Name: `DellRemoteAccessHostSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no host settings.
`unknown(1)`	The remote access hardware host settings are unknown.
`smtpEmailEnabled(2)`	The remote access hardware SMTP client is enabled for sending e-mail.
`tftpRemoteFloppyEnabled(4)`	The remote access hardware TFTP client is enabled for remote floppy boot.
`tftpRemoteFwUpdateEnabled(8)`	The remote access hardware TFTP client is enabled for remote firmware update.

Table 20-10. Remote Access Out-Of-Band Simple Network Management Protocol (SNMP) Capabilities

Variable Name: `DellRemoteAccessOutOfBandSNMPCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no out-of-band SNMP capabilities.
`unknownCapabilities(1)`	The remote access hardware out-of-band SNMP capabilities are unknown.
`oobSNMPAgentCapable(2)`	The remote access hardware has an out-of-band SNMP agent.
`oobSNMPTrapsCapable(4)`	The remote access hardware can send out-of-band SNMP traps.

Table 20-11. Remote Access Out-Of-Band Simple Network Management Protocol (SNMP) Settings

Variable Name: `DellRemoteAccessOutOfBandSNMPSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The remote access hardware has no out-of-band SNMP settings.
`unknown(1)`	The remote access hardware out-of-band SNMP settings are unknown.
`oobSNMPAgentEnabled(2)`	The remote access hardware out-of-band SNMP agent is enabled.
`oobSNMPTrapsEnabled(4)`	The remote access hardware sends out-of-band SNMP traps.

Table 20-12. Remote User Admin State Capabilities

Variable Name: `DellRemoteUserAdminStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The admin user has no state capabilities.
`unknownCapabilities(1)`	The admin user state capabilities are unknown.
`enableCapable(2)`	The admin user can be disabled or enabled.
`notReadyCapable(4)`	The admin user can be in the *not ready* state.
`numericPagerCapable(8)`	The admin user supports numeric paging.
`alphaPagerCapable(16)`	The admin user supports alphanumeric paging.
`emailCapable(32)`	The admin user supports e-mail.
`privilegeCapable(64)`	The admin user supports user privileges configuration.

Table 20-13. Remote User Admin State Settings

Variable Name: `DellRemoteUserAdminStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The admin user has no state settings.
`unknown(1)`	The admin user state settings are unknown.
`enabled(2)`	The admin user is enabled.
`notReady(4)`	The admin user is in the *not ready* state.
`numericPagerEnabled(8)`	Numeric paging is enabled for the admin user.
`alphaPagerEnabled(16)`	Alphanumeric paging is enabled for the admin user.
`emailEnabled(32)`	E-mail is enabled for the admin user.

Table 20-14. Remote User Admin Control Capabilities

Variable Name: `DellRemoteUserAdminControlCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The admin user has no control capabilities.
`unknownCapabilities(1)`	The admin user control capabilities are unknown.
`numericPagerTestCapable(2)`	The admin user can support sending a test numeric page.
`alphaPagerTestCapable(4)`	The admin user can support sending a test alphanumeric page.
`emailTestCapable(8)`	The admin user can support sending a test e-mail.

Table 20-15. Remote User Admin Control Settings

Variable Name: `DellRemoteUserAdminControlSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The admin user has no control settings.
`unknown(1)`	The admin user control settings are unknown.
`numericPagerTest(2)`	A numeric pager test is performed for the admin user.
`alphaPagerTest(4)`	An alphanumeric pager test is performed for the admin user.
`emailTest(8)`	An e-mail test is performed for the admin user.

Table 20-16. Remote User Admin Alpha Protocol Type

Variable Name: `DellRemoteUserAdminAlphaProtocolType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`other(1)`	The remote user admin alpha protocol type is not one of the following:
`unknown(2)`	The remote user admin alpha protocol type is unknown.
`alpha7E0(3)`	The remote user admin alpha protocol type is 7E0.
`alpha8N1(4)`	The remote user admin alpha protocol type is 8N1.

Table 20-17. Remote User Admin Alpha Baud Type

Variable Name: `DellRemoteUserAdminAlphaBaudType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`other(1)`	The remote user alphanumeric baud rate is not one of the following:
`unknown(2)`	The remote user alphanumeric baud rate is unknown.
`alphaBaud300(3)`	The remote user alphanumeric baud rate is 300.
`alphaBaud1200(4)`	The remote user alphanumeric baud rate is 1200.

Table 20-18. Remote SNMP Trap State Capabilities

Variable Name: `DellRemoteSNMPTrapStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The SNMP trap destination has no state capabilities.
`unknownCapabilities (1)`	The SNMP trap destination state capabilities are unknown.
`enableCapable(2)`	The SNMP trap destination can be disabled or enabled.
`notReadyCapable(4)`	The SNMP trap destination can be in the *not ready* state.

Table 20-19. Remote SNMP Trap State Settings

Variable Name: `DellRemoteSNMPTrapStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The SNMP trap destination has no state settings.
`unknown(1)`	The SNMP trap destination state settings are unknown.
`enabled(2)`	The SNMP trap destination is enabled.
`notReady(4)`	The SNMP trap destination is in the *not ready* state.

Table 20-20. Remote SNMP Trap Control Capabilities

Variable Name: DellRemoteSNMPTrapControlCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	The SNMP trap destination has no control capabilities.
unknownCapabilities (1)	The SNMP trap destination control capabilities are unknown.
trapTestCapable(2)	A SNMP trap test can be performed for the SNMP trap destination.

Table 20-21. Remote SNMP Trap Control Settings

Variable Name: DellRemoteSNMPTrapControlSettings **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	The SNMP trap destination has no control settings.
unknown(1)	The SNMP trap destination control settings are unknown.
trapTestCapable(2)	A SNMP trap test is performed for the SNMP trap destination.

Table 20-22. Remote Dial-Up State Capabilities

Variable Name: DellRemoteDialUpStateCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
none(0)	The dial-up functionality has no state capabilities.
unknownCapabilities(1)	The dial-up functionality state capabilities are unknown.
enableCapable(2)	The dial-up functionality can be disabled or enabled.

Table 20-22. Remote Dial-Up State Capabilities *(continued)*

Variable Name: `DellRemoteDialUpStateCapabilities`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`notReadyCapable(4)`	The dial-up functionality can be in the not ready state.
`dialInCapable(8)`	The dial-up functionality can support the dial-in feature.
`dialOutCapable(16)`	The dial-up functionality can support the dial-out feature.
`dialInDHCPCapable(32)`	The dial-up functionality can support using DHCP to obtain an IP address for the dial-in feature.
`dialInAuthAnyCapable(64)`	The dial-up functionality can support any authentication type (including clear text) for the dial-in feature.
`dialInAuthEncryptedCapable(128)`	The dial-up functionality can support encrypted passwords (CHAP) authentication for the dial-in feature.
`dialInAuthMschapCapable(256)`	The dial-up functionality can support MSCHAP authentication type for the dial-in feature.

Table 20-23. Remote Dial-Up State Settings

Variable Name: `DellRemoteDialUpStateSettings`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`none(0)`	The dial-up functionality has no state settings.
`unknown(1)`	The dial-up functionality state settings are unknown.
`enabled(2)`	The dial-up functionality is enabled.
`notReadyCapable(4)`	The dial-up functionality is in the *not ready* state.
`dialInEnabled(8)`	The dial-up functionality dial-in feature is enabled.
`dialOutEnabled(16)`	The dial-up functionality dial-out feature is enabled.

Table 20-23. Remote Dial-Up State Settings *(continued)*

Variable Name: `DellRemoteDialUpStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`dialInDHCPEnabled(32)`	The dial-up functionality uses DHCP to obtain an IP address for the dial-in feature.
`dialInAuthAnyEnabled (64)`	The dial-up functionality accepts any authentication type (including clear text) for the dial-in feature.
`dialInAuthEncrypted Enabled(128)`	The dial-up functionality uses only encrypted passwords (CHAP) authentication type for the dial-in feature.
`dialInAuthMschapEnab led(256)`	The dial-up functionality uses only MSCHAP authentication type for the dial-in feature.

Table 20-24. Remote Dial-Up Modem Dial Type

Variable Name: `DellRemoteDialUpModemDialType` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`remoteDialUpIsOther(1)`	The remote dial type is not one of the following:
`remoteDialUpIsUnknown(2)`	The remote dial type is unknown.
`remoteDialUpIsTone(3)`	The remote dial type is tone.
`remoteDialUpIsPulse(4)`	The remote dial type is pulse.

Table 20-25. Remote User Dial-In State Capabilities

Variable Name: `DellRemoteUserDialInStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The dial-in user has no state capabilities.
`unknownCapabilities(1)`	The dial-in user state capabilities are unknown.
`enableCapable(2)`	The dial-in user can be disabled or enabled.
`notReadyCapable(4)`	The dial-in user can be in the *not ready* state.
`dialInCallbackPresetNumber Capable(8)`	The dial-in user can support callback using a preset number.
`dialInCallbackUserSpecified Capable(16)`	The dial-in user can support callback using a user-specified number.

Table 20-26. Remote User Dial-In State Settings

Variable Name: `DellRemoteUserDialInStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The dial-in user has no state settings.
`unknown(1)`	The dial-in user state settings are unknown.
`enabled(2)`	The dial-in user is enabled.
`notReady(4)`	The dial-in user is in the *not ready* state.
`dialInCallbackPresetNumber Enabled(8)`	Callback using a preset number is enabled for the dial-in user.
`dialInCallbackUserSpecified Enabled(16)`	Callback using a user-specified number is enabled for the dial-in user.

Table 20-27. Remote Dial-Out State Capabilities

Variable Name: `DellRemoteDialOutStateCapabilities` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The dial-out destination has no state capabilities.
`unknownCapabilities(1)`	The dial-out destination state capabilities are unknown.
`enableCapable(2)`	The dial-out destination can be disabled or enabled.
`notReadyCapable(4)`	The dial-out destination can be in the *not ready* state.
`dialOutPPPAuthAnyCapable(8)`	The dial-out destination can support any authentication type (including clear text) for PPP.
`dialOutPPPAuthEncryptedCapable(16)`	The dial-out destination can support encrypted passwords authentication type for PPP.
`dialOutPPPAuthMschapCapable(32)`	The dial-out destination can support MSCHAP authentication type for PPP.

Table 20-28. Remote Dial-Out State Settings

Variable Name: `DellRemoteDialOutStateSettings` **Data Type:** `Integer`	
Possible Data Values	**Meaning of Data Value**
`none(0)`	The dial-out destination has no state settings.
`unknown(1)`	The dial-out destination state settings are unknown.
`enabled(2)`	The dial-out destination is disabled or enabled.
`notReady(4)`	The dial-out destination is in the *not ready* state.
`dialOutPPPAuthAnyEnabled(8)`	The dial-out destination accepts any authentication type (including clear text) for PPP.
`dialOutPPPAuthEncryptedEnabled(16)`	The dial-out destination uses only encrypted passwords authentication type for PPP.
`dialOutPPPAuthMschapEnabled(32)`	The dial-out destination uses only MSCHAP authentication type for PPP.

21

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.

Name	`clusterTable`
Object ID	1.3.6.1.4.1.674.10892.1.1800.10
Description	Defines the Cluster Table.
Syntax	SEQUENCE OF ClusterTableEntry
Access	Not accessible

Cluster Table Entry

Name	`clusterTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1
Description	Defines the Cluster Table entry.
Syntax	ClusterTableEntry
Access	Not accessible
Index	clusterChassisIndex, clusterIndex

Cluster Chassis Index

Name	clusterChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.1
Description	Defines the index (one-based) of this chassis.
Syntax	DellObjectRange
Access	Read-only

Cluster Index

Name	clusterIndex
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.2
Description	Defines the index (one-based) of the cluster.
Syntax	DellObjectRange
Access	Read-only

Cluster State Capabilities

Name	clusterStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.3
Description	Defines the state capabilities of the cluster.
Syntax	DellStateCapabilities
Access	Read-only

Cluster State Settings

Name	clusterStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.4
Description	Defines the state settings of the cluster.
Syntax	DellStateSettings
Access	Read-write

Cluster Status

Name	clusterStatus
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.5
Description	Defines the status of the cluster.
Syntax	DellStatus
Access	Read-only

Cluster Type

Name	clusterType
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.6
Description	Defines the type of the cluster.
Syntax	DellClusterType
Access	Read-only

Cluster Type Description Name

Name	clusterTypeDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.7
Description	Defines the description name for the type of the cluster.
Syntax	DellString
Access	Read-only

Cluster Name

Name	clusterName
Object ID	1.3.6.1.4.1.674.10892.1.1800.10.1.8
Description	Defines the name of the cluster.
Syntax	DellString
Access	Read-only

Cluster Group Variable Values

This section includes definitions for Server Administrator-specific variable values used in this section.

Table 21-1. Cluster Type

Variable Name: `DellClusterType`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unknown(1)`	The cluster type is unknown.
`highAvailabilityCluster(2)`	The cluster type is a high-availability cluster.

22

Baseboard Management Controller Group

The Baseboard Management Controller (BMC) monitors the system for critical events by communicating with various sensors on the system board and sends alerts and log events when certain parameters exceed their preset thresholds. The BMC Group provides information about the BMC that may be present in your system. In addition to providing general information about the BMC, this group provides information about the serial and local area network (LAN) interfaces of the BMC.

Baseboard Management Controller Group Tables

The objects in the BMC group define information about the BMC and the serial and LAN interfaces that can be used to access the BMC remotely to perform management activities. Objects for the serial interface define the serial connection mode, flow control type and bit rate. Objects for the LAN interface define the media access control (MAC) address, internet protocol (IP) address, subnet mask and default gateway.

The following MIB tables define the BMC group:

- Baseboard Management Controller Table
- Baseboard Management Controller Serial Interface Table
- Baseboard Management Controller LAN Interface Table

Baseboard Management Controller Table

Name	`bmcTable`
Object ID	1.3.6.1.4.1.674.10892.1.1900.10
Description	Defines the Baseboard Management Controller Table.
Syntax	SEQUENCE OF BmcTableEntry
Access	Not accessible

BMC Table Entry

Name	bmcTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1
Description	Defines the Baseboard Management Controller (BMC) Table Entry.
Syntax	BmcTableEntry
Access	Not accessible
Index	bmcChassisIndex, bmcIndex

BMC Chassis Index

Name	bmcChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

BMC Index

Name	bmcIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.2
Description	Defines the index (one-based) of the BMC.
Syntax	DellObjectRange
Access	Read-only

BMC State Capabilities

Name	bmcStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.3
Description	Defines the state capabilities of the BMC.
Syntax	DellStateCapabilities
Access	Read-only

BMC State Settings

Name	bmcStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.4
Description	Defines the state settings of the BMC.
Syntax	DellStateSettings
Access	Read-write

BMC Status

Name	bmcStatus
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.5
Description	Defines the status of the BMC.
Syntax	DellStatus
Access	Read-only

BMC Display Name

Name	bmcDisplayName
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.6
Description	Defines the display name of the BMC.
Syntax	DellString
Access	Read-only

BMC Description Name

Name	bmcDescriptionName
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.7
Description	Defines the description of the BMC.
Syntax	DisplayString (SIZE (0..255))
Access	Read-only

BMC IPMI Version Name

Name	bmcIPMIVersionName
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.8
Description	Defines the version of the Intelligent Platform Management Interface (IPMI) specification that the BMC supports.
Syntax	DellString
Access	Read-only

BMC GUID

Name	bmcGUID
Object ID	1.3.6.1.4.1.674.10892.1.1900.10.1.9
Description	Defines the Globally Unique ID (GUID) of the BMC.
Syntax	Octet String (SIZE(16))
Access	Read-only

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

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

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 (SIZE (0..1024))
Access	Read-only

BMC IPv6 URL Name

Name	bmcIPv6URLName
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 (SIZE (0..1024))
Access	Read-only

Baseboard Management Controller Serial Interface Table

Name	bmcSerialInterfaceTable
Object ID	1.3.6.1.4.1.674.10892.1.1900.20
Description	Defines the BMC Serial Interface Table.
Syntax	SEQUENCE OF BmcSerialInterfaceTableEntry
Access	Not accessible

BMC Serial Interface Table Entry

Name	bmcSerialInterfaceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1
Description	Defines the BMC Serial Interface Table Entry.
Syntax	BmcSerialInterfaceTableEntry
Access	Not accessible
Index	bmcSerialInterfaceChassisIndex, bmcSerialInterfaceBMCIndex, bmcSerialInterfaceIndex

BMC Serial Interface Chassis Index

Name	bmcSerialInterfaceChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

BMC Serial Interface BMC Index

Name	bmcSerialInterfaceBMCIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.2
Description	Defines the index (one-based) of the associated BMC.
Syntax	DellObjectRange
Access	Read-only

BMC Serial Interface Index

Name	bmcSerialInterfaceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.3
Description	Defines the index (one-based) of the BMC serial interface.
Syntax	DellObjectRange
Access	Read-only

BMC Serial Interface State Capabilities

Name	bmcSerialInterfaceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.4
Description	Defines the state capabilities of the BMC serial interface.
Syntax	DellStateCapabilities
Access	Read-only

BMC Serial Interface State Settings

Name	bmcSerialInterfaceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.5
Description	Defines the state settings of the BMC serial interface.
Syntax	DellStateSettings
Access	Read-write

BMC Serial Interface Status

Name	bmcSerialInterfaceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.6
Description	Defines the status of the BMC serial interface.
Syntax	DellStatus
Access	Read-only

BMC Serial Interface Channel Number

Name	bmcSerialInterfaceChannelNumber
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.7
Description	Defines the BMC channel number of the BMC serial interface.
Syntax	DellUnsigned8BitRange
Access	Read-only

BMC Serial Interface Connection Mode Capabilities

Name	bmcSerialInterfaceConnectionModeCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.8
Description	Defines the connection mode capabilities of the BMC serial interface.
Syntax	DellBMCSerialConnectionModeCapabilities
Access	Read-only

BMC Serial Interface Connection Mode Settings

Name	bmcSerialInterfaceConnectionModeSettings
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.9
Description	Defines the connection mode settings of the BMC serial interface.
Syntax	DellBMCSerialConnectionModeSettings
Access	Read-only

BMC Serial Interface Flow Control

Name	bmcSerialInterfaceFlowControl
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.10
Description	Defines the flow control type of the BMC serial interface.
Syntax	DellBMCSerialFlowControlType
Access	Read-only

BMC Serial Interface Bit Rate

Name	bmcSerialInterfaceBitRate
Object ID	1.3.6.1.4.1.674.10892.1.1900.20.1.11
Description	Defines the bit rate of the BMC serial interface.
Syntax	DellBMCSerialBitRateType
Access	Read-only

Baseboard Management Controller LAN Interface Table

Name	bmcLANInterfaceTable
Object ID	1.3.6.1.4.1.674.10892.1.1900.30
Description	Defines the Baseboard Management Controller (BMC) LAN Interface Table.
Syntax	SEQUENCE OF BmcLANInterfaceTableEntry
Access	Not accessible

BMC LAN Interface Table Entry

Name	bmcLANInterfaceTableEntry
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1
Description	Defines the Baseboard Management Controller (BMC) LAN Interface Table Entry.
Syntax	BmcLANInterfaceTableEntry
Access	Not accessible
Index	bmcLANInterfaceChassisIndex, bmcLANInterfaceBMCIndex, bmcLANInterfaceIndex

BMC LAN Interface Chassis Index

Name	bmcLANInterfaceChassisIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.1
Description	Defines the index (one-based) of the associated chassis.
Syntax	DellObjectRange
Access	Read-only

BMC LAN Interface BMC Index

Name	bmcLANInterfaceBMCIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.2
Description	Defines the index (one-based) of the associated BMC.
Syntax	DellObjectRange
Access	Read-only

BMC LAN Interface Index

Name	bmcLANInterfaceIndex
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.3
Description	Defines the index (one-based) of the BMC LAN interface.
Syntax	DellObjectRange
Access	Read-only

BMC LAN Interface State Capabilities

Name	bmcLANInterfaceStateCapabilities
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.4
Description	Defines the state capabilities of the BMC LAN interface.
Syntax	DellStateCapabilities
Access	Read-only

BMC LAN Interface State Settings

Name	bmcLANInterfaceStateSettings
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.5
Description	Defines the state settings of the BMC LAN interface.
Syntax	DellStateSettings
Access	Read-write

BMC LAN Interface Status

Name	bmcLANInterfaceStatus
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.6
Description	Defines the status of the BMC LAN interface.
Syntax	DellStatus
Access	Read-only

BMC LAN Interface Channel Number

Name	bmcLANInterfaceChannelNumber
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.7
Description	Defines the BMC channel number of the BMC LAN interface.
Syntax	DellUnsigned8BitRange
Access	Read-only

BMC LAN Interface IP Address Source

Name	bmcLANInterfaceIPAddressSource
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.8
Description	Defines the source type of the IP address of the BMC LAN interface.
Syntax	DellBMCLANIPAddressSourceType
Access	Read-only

BMC LAN Interface IP Address

Name	bmcLANInterfaceIPAddress
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.9
Description	Defines the IP address of the BMC LAN interface.
Syntax	IpAddress
Access	Read-only

BMC LAN Interface Subnet Mask Address

Name	bmcLANInterfaceSubnetMaskAddress
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.10
Description	Defines the subnet mask of the BMC LAN interface.
Syntax	IpAddress
Access	Read-only

BMC LAN Interface Default Gateway Address

Name	bmcLANInterfaceDefaultGatewayAddress
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.11
Description	Defines the IP address of the default gateway for the BMC LAN interface.
Syntax	IpAddress
Access	Read-only

BMC LAN Interface MAC Address

Name	bmcLANInterfaceMACAddress
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.12
Description	Defines the MAC address of the BMC LAN interface.
Syntax	DellMACAddress
Access	Read-only

BMC LAN Interface Alert Community Name

Name	bmcLANInterfaceAlertCommunityName
Object ID	1.3.6.1.4.1.674.10892.1.1900.30.1.13
Description	Defines the SNMP community used for BMC LAN alerts (traps) sent on the BMC LAN interface.
Syntax	DisplayString (SIZE (0..32))
Access	Read-only

Baseboard Management Controller Group Variable Values

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

Table 22-1. BMC Serial Connection Mode Capabilities

Variable Name: `DellBMCSerialConnectionModeCapabilities` **Data Type:** `Integer` **These values are bit masks; therefore, combination values are possible.**	
Possible Data Values	**Meaning of Data Value**
`-- none(0)`	No mode capabilities.
`modemBasic(1)`	BMC serial interface supports Modem Basic mode.
`modemPPP(2)`	BMC serial interface supports Modem Point to Point Protocol (PPP) mode.
`modemTerminal(4)`	BMC serial interface supports Modem Terminal mode.
`directBasic(8)`	BMC serial interface supports Direct Basic mode.
`directPPP(16)`	BMC serial interface supports Direct PPP mode.
`directTerminal(32)`	BMC serial interface supports Direct Terminal mode.

Table 22-2. BMC Serial Connection Mode Settings

Variable Name: `DellBMCSerialConnectionModeSettings` **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 22-3. 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 22-4. 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 22-5. BMC LAN IP Address Source Type

Variable Name: DellBMCLANIPAddressSourceType **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
-- unspecified(0)	Source is unspecified.
static(1)	IP address is static.
dhcp(2)	Dynamic Host Configuration Protocol (DHCP) used to obtain IP address.
biosOrSystemSoftware(3)	BIOS or system software provided IP Address.
other(4)	Other protocol used to obtain IP address.

Table 22-6. 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)

23

Field Replaceable Unit Group

A field replaceable unit (FRU) is a part that can be removed and replaced without having to send the system to a repair facility. The Field Replaceable Unit Group provides information about the field replaceable units that may be present in your system.

Field Replaceable Unit Group Tables

The objects in the FRU group define information such as manufacturer, serial number, part number and revision for field replaceable units.
The following MIB tables define the FRU group.

Field Replaceable Unit Table

Name	`fruTable`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10
Description	Defines the Field Replaceable Unit table.
Syntax	SEQUENCE OF FruTableEntry
Access	Not accessible

FRU Table Entry

Name	`fruTableEntry`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1
Description	Defines the FRU Table Entry.
Syntax	FruTableEntry
Access	Not accessible
Index	fruChassisIndex, fruIndex

FRU Chassis Index

Name	`fruChassisIndex`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.1
Description	Defines the index (one-based) of the chassis containing the FRU.
Syntax	DellObjectRange
Access	Read-only

FRU Index

Name	`fruIndex`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.2
Description	Defines the index (one-based) of the FRU.
Syntax	DellObjectRange
Access	Read-only

FRU Information Status

Name	`fruInformationStatus`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.3
Description	Defines the status of the FRU table entry.
Syntax	DellStatus
Access	Read-only

FRU Information State

Name	`fruInformationState`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.4
Description	Defines the state of the FRU information. Some information for the FRU may not be available if the state is other than `ok(1)`.
Syntax	DellFRUInformationState
Access	Read-only

FRU Device Name

Name	`fruDeviceName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.5
Description	Defines the device name of the FRU.
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

FRU Manufacturer Name

Name	`fruManufacturerName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.6
Description	Defines the manufacturer of the FRU.
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

FRU Serial Number Name

Name	`fruSerialNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.7
Description	Defines the serial number of the FRU.
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

FRU Part Number Name

Name	`fruPartNumberName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.8
Description	Defines the part number of the FRU
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

FRU Revision Name

Name	`fruRevisionName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.9
Description	Defines the revision of the FRU.
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

FRU Manufacturing Date Name

Name	`fruManufacturingDateName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.10
Description	Defines the manufacturing date of the FRU.
Syntax	DellDateName
Access	Read-only

FRU Asset Tag Name

Name	`fruAssetTagName`
Object ID	1.3.6.1.4.1.674.10892.1.2000.10.1.11
Description	Defines the asset tag of the FRU.
Syntax	DisplayString (SIZE (0..64))
Access	Read-only

Field Replaceable Unit Group Variable Values

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

Table 23-1. 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.

24

Storage Management Group

The Storage Management Group is composed of the following:

- Storage Management Group—information about the software product and system status.
- Storage Management Information Group—properties about the Simple Network Management Protocol (SNMP) agent.
- Global Data Group—system status.
- Physical Devices Group—physical devices managed by the software.
- Logical Devices Group—logical devices managed by the software.
- Storage Management Event Group—SNMP traps.

Storage Management Group

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

Software Version

Name	`softwareVersion`
Object ID	1.3.6.1.4.1.674.10893.1.20.1
Description	Identifies the version number of the storage management component of the systems management software.
Syntax	DisplayString
Access	Read-only

Global Status

Name	`globalStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.2
Description	Identifies global health for the subsystem managed by the Storage Management software. This global status is customized for HP OpenView. Other applications should refer to the agentSystemGlobalStatus entry in the globalData object group. Possible values: 1: Critical 2: Warning 3: Normal 4: Unknown
Syntax	Integer
Access	Read-only

Software Manufacturer

Name	`softwareManufacturer`
Object ID	1.3.6.1.4.1.674.10893.1.20.3
Description	Identifies the manufacturer of the Storage Management software.
Syntax	DisplayString
Access	Read-only

Software Product

Name	`softwareProduct`
Object ID	1.3.6.1.4.1.674.10893.1.20.4
Description	Identifies product information for the Storage Management software.
Syntax	DisplayString
Access	Read-only

Software Description

Name	`softwareDescription`
Object ID	1.3.6.1.4.1.674.10893.1.20.5
Description	Identifies the product description for the Storage Management software.
Syntax	DisplayString
Access	Read-only

Storage Management Information Group

The Storage Management Information MIB Group defines the properties that identify the Storage Management software SNMP agent.

Display Name

Name	`displayName`
Object ID	1.3.6.1.4.1.674.10893.1.20.100.1
Description	Identifies the name of this management software for display purposes.
Syntax	DisplayString
Access	Read-only

Description

Name	`description`
Object ID	1.3.6.1.4.1.674.10893.1.20.100.2
Description	Provides a short description of this management software.
Syntax	DisplayString
Access	Read-only

Agent Vendor

Name	agentVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.100.3
Description	Identifies the name of the management software manufacturer.
Syntax	DisplayString
Access	Read-only

Agent Version

Name	agentVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.100.4
Description	This entry is obsolete. Refer to softwareVersion.
Syntax	DisplayString
Access	Read-only

Global Data Group

The Global Data Management Information Base (MIB) Group defines the properties that identify status information about the system that the Storage Management software is managing and about the Storage Management SNMP agent.

Agent System Global Status

Name	agentSystemGlobalStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.1
Description	This entry is obsolete. Use the value agentGlobalSystemStatus.
Syntax	Integer
Access	Read-only

Agent Last Global Status

Name	agentLastGlobalStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.2
Description	This entry is obsolete. Use the value agentLastGlobalSystemStatus.
Syntax	Integer
Access	Read-only

Agent Time Stamp

Name	agentTimeStamp
Object ID	1.3.6.1.4.1.674.10893.1.20.110.3
Description	Identifies the last time that the agent values have been updated. Universal time in sec since UTC 1/1/70.
Syntax	Integer
Access	Read-only

Agent Get Timeout

Name	agentGetTimeout
Object ID	1.3.6.1.4.1.674.10893.1.20.110.4
Description	Indicates the suggested timeout value in milliseconds for how long the SNMP getter should wait while attempting to poll the SNMP agent.
Syntax	Integer
Access	Read-only

Agent Modifiers

Name	agentModifiers
Object ID	1.3.6.1.4.1.674.10893.1.20.110.5
Description	Identifies the agent functional modifiers. When set, the modifier is active. Bit definitions: Bit 3: agent in debug mode. All other bits are product specific.
Syntax	Integer
Access	Read-only

Agent Refresh Rate

Name	agentRefreshRate
Object ID	1.3.6.1.4.1.674.10893.1.20.110.6
Description	Identifies the rate, given in seconds, at which the cached data for SNMP is refreshed. The default value is 300 seconds, or 5 minutes.
Syntax	Integer
Access	Read-only

Agent Hostname

Name	agentHostname
Object ID	1.3.6.1.4.1.674.10893.1.20.110.7
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Agent IP Address

Name	agentIPAddress
Object ID	1.3.6.1.4.1.674.10893.1.20.110.8
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Agent Software Status

Name	agentSoftwareStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.9
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Agent SNMP Version

Name	agentSnmpVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.110.10
Description	This entry is obsolete. Refer to 0001 softwareVersion.
Syntax	DisplayString
Access	Read-only

Agent MIB Version

Name	agentMibVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.110.11
Description	Identifies the version of the Storage Management MIB.
Syntax	DisplayString
Access	Read-only

Agent Management Software URL Name

Name	agentManagementSoftwareURLName
Object ID	1.3.6.1.4.1.674.10893.1.20.110.12
Description	Identifies the Universal Resource Locator (URL) of the systems management software.
Syntax	DisplayString
Access	Read-only

Agent Global System Status

Name	agentGlobalSystemStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.13
Description	Global health information for the subsystem managed by the Storage Management software. This global status should be used by applications other than HP OpenView. HP OpenView should refer to the globalStatus in the root level object group. This is a rollup for the entire agent including any monitored devices. The status is intended to give initiative to an SNMP monitor to get further data when this status is abnormal. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Agent Last Global System Status

Name	agentLastGlobalSystemStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.110.14
Description	The previous global status of the system managed by the Storage Management software. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Agent Smart Thermal Shutdown

Name	agentSmartThermalShutdown
Object ID	1.3.6.1.4.1.674.10893.1.20.110.15
Description	Indicates the status of smart thermal shutdown for 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.

Name	`controllerTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1
Description	Defines the controller table, which is a table of managed Redundant Array of Independent disks (RAID) controllers. The number of entries is related to the number of RAID controllers discovered in the system.
Syntax	SEQUENCE OF ControllerEntry
Access	Not accessible

Controller Entry

Name	`controllerEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1
Description	Defines the controller table entry, which is an entry in the table of RAID controllers. A row in this table cannot be created or deleted by SNMP operations on columns of the table.
Syntax	ControllerEntry
Access	Not accessible
Index	controllerNumber

Controller Number

Name	`controllerNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.1
Description	Identifies the instance number of the controller entry.
Syntax	Integer
Access	Read-only

Controller Name

Name	`controllerName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.2
Description	Identifies the name of the controller in this subsystem as represented in Storage Management. Includes the controller type and instance. For example: PERC 3/QC 1.
Syntax	DisplayString
Access	Read-only

Controller Vendor

Name	`controllerVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.3
Description	Identifies the controller's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Controller Type

Name	`controllerType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.4
Description	Identifies the type of this controller: 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)
Syntax	Integer
Access	Read-only

Controller State

Name	`controllerState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.5
Description	Identifies the status of the controller's subsystem (which includes any devices connected to it). Possible states: 0: Unknown, 1: Ready, 2: Failed, 3: Online, 4: Offline, 6: Degraded
Syntax	Integer
Access	Read-only

Controller Severity

Name	`controllerSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.6
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Controller Rebuild Rate in Percent

Name	`controllerRebuildRateInPercent`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.7
Description	Identifies the percent of the compute cycles dedicated to rebuilding failed array disks.
Syntax	Integer
Access	Read-only

Controller Firmware Version

Name	`controllerFWVersion`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.8
Description	Identifies the controller's current firmware version.
Syntax	DisplayString
Access	Read-only

Controller Cache Size in Megabytes

Name	`controllerCacheSizeInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.9
Description	Identifies the controller's current amount of cache memory in megabytes. If this size is 0, it is less than a megabyte.
Syntax	Integer
Access	Read-only

Controller Cache Size in Bytes

Name	`controllerCacheSizeInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.10
Description	Identifies the controller's current amount of cache memory that is less than a megabyte. This combined with the controllerCacheSizeInMB is the total amount of memory.
Syntax	Integer
Access	Read-only

Controller Physical Device Count

Name	`controllerPhysicalDeviceCount`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.11
Description	Identifies the number of physical devices on the controller channel including both disks and the controller.
Syntax	Integer
Access	Read-only

Controller Logical Device Count

Name	`controllerLogicalDeviceCount`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.12
Description	Identifies the number of virtual disks on the controller.
Syntax	Integer
Access	Read-only

Controller Partner Status

Name	`controllerPartnerStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.13
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Controller Host Port Count

Name	`controllerHostPortCount`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.14
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller Memory Size in Megabytes

Name	`controllerMemorySizeInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.15
Description	Identifies the size of memory in megabytes on the controller. If this size is 0, it is less than a megabyte. This attribute is only supported on Adaptec controllers.
Syntax	Integer
Access	Read-only

Controller Memory Size in Bytes

Name	`controllerMemorySizeInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.16
Description	Identifies the size of memory on the controller that is less than a megabyte. This combined with the controllerMemorySizeInMB is the total size of the memory. This attribute is only supported on Adaptec controllers.
Syntax	Integer
Access	Read-only

Controller Drive Channel Count

Name	`controllerDriveChannelCount`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.17

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

Controller Fault Tolerant

Name	`controllerFaultTolerant`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.18
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C0 Port 0 World Wide Name

Name	`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

Controller C0 Port 0 Name

Name	`controllerC0Port0Name`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.20
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C0 Port 0 ID

Name	controllerC0Port0ID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.21
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C0 Target

Name	controllerC0Target
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.22
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C0 Channel

Name	controllerC0Channel
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.23
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C0 Operating System Controller

Name	controllerC0OSController
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.24
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C0 Battery State

Name	controllerC0BatteryState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.25
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C1 Port 0 World Wide Name

Name	controllerC1Port0WWN
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.26
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C1 Port 0 Name

Name	controllerC1Port0Name
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.27
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C1 Port 0 ID

Name	controllerC1Port0ID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.28
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C1 Target

Name	`controllerC1Target`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.29
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C1 Channel

Name	`controllerC1Channel`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.30
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller C1 Operating System Controller

Name	`controllerC1OSController`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.31
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller Battery State C1

Name	`controllerC1BatteryState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.32
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer
Access	Read-only

Controller Node World Wide Name

Name	`controllerNodeWWN`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.33
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C0 Port 1 World Wide Name

Name	`controllerC0Port1WWN`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.34
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller C1 Port 1 World Wide Name

Name	`controllerC1Port1WWN`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.35
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	DisplayString
Access	Read-only

Controller Battery Charge Count

Name	`controllerBatteryChargeCount`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.36
Description	This entry is obsolete. Fibre channel is not supported in Storage Management.
Syntax	Integer

Name	`controllerBatteryChargeCount`
Access	Read-only

Controller Roll-Up Status

Name	`controllerRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.37
Description	Indicates severity of the controller state. This is the combined status of the controller and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Controller Component Status

Name	`controllerComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.38
Description	Indicates the status of the controller itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Controller Nexus ID

Name	controllerNexusID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.39
Description	Durable unique ID for this controller.
Syntax	DisplayString
Access	Read-only

Controller Alarm State

Name	controllerAlarmState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.40
Description	Indicates state, or setting for the controller's alarm. Possible values: 1: Enabled 2: Disabled 3: Not Applicable
Syntax	Integer
Access	Read-only

Controller Driver Version

Name	controllerDriverVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.41
Description	Indicates currently installed driver version of the controller
Syntax	DisplayString
Access	Read-only

Controller PCI Slot

Name	controllerPCISlot
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.42
Description	Indicates the PCI slot number or embedded number for controllers on the motherboard

Name	controllerPCISlot
Syntax	DisplayString
Access	Read-only

Controller Cluster Mode

Name	controllerClusterMode
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.43
Description	Identifies if the controller is in cluster mode. Possible values: 1: Enabled 2: Disabled 3: Active (enabled and active) 99: Not Applicable
Syntax	Integer
Access	Read-only

Controller Minimum Firmware Version

Name	controllerMinFWVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.44
Description	The minimum firmware version for Storage Management to support the controller.
Syntax	DisplayString
Access	Read-only

Controller Minimum Driver Version

Name	controllerMinDriverVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.45
Description	The minimum driver version for Storage Management to support the controller.
Syntax	DisplayString

Name	controllerMinDriverVersion
Access	Read-write

Controller SCSI Initiator ID

Name	controllerSCSIInitiatorID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.46
Description	The SCSI ID of the initiator.
Syntax	Integer
Access	Read-only

Controller Channel Count

Name	controllerChannelCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.47
Description	The number of channels on the controller.
Syntax	Integer
Access	Read-only

Controller Reconstruct Rate

Name	controllerReconstructRate
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.48
Description	The rate for reconstruct on the controller.
Syntax	Integer
Access	Read-write

Controller Patrol Read Rate

Name	controllerPatrolReadRate
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.49
Description	The rate for patrol read on the controller.
Syntax	Integer

Name	controllerPatrolReadRate
Access	Read-only

Controller BGI Rate

Name	controllerBGIRate
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.50
Description	The rate for background initialization on the controller.
Syntax	Integer
Access	Read-only

Controller Check Consistency Rate

Name	controllerCheckConsistencyRate
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.51
Description	The rate for check consistency on the controller.
Syntax	Integer
Access	Read-only

Controller Patrol Read Mode

Name	controllerPatrolReadMode
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.52
Description	Identifies the patrol read mode. Possible values: 1: Automatic (enabled) 2: Manual (enabled) 3: Disabled
Syntax	Integer
Access	Read-only

Controller Patrol Read State

Name	`controllerPatrolReadState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.53
Description	The state of the patrol read. Possible values: 1: Stopped - not running 2: Ready - ready to start 4: Active - is running 8: Aborted - has aborted
Syntax	Integer
Access	Read-only

Controller Patrol Read Iterations

Name	`controllerPatrolReadIterations`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.54
Description	The number of times Patrol Read has been run on this controller.
Syntax	Integer
Access	Read-only

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

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

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

Controller Encryption Key Present

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

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
Syntax	Integer
Access	Read-only

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
Syntax	Integer
Access	Read-only

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
Syntax	Integer
Access	Read-only

Controller Spin Down Time Interval

Name	`controllerSpinDownTimeInterval`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.62

Name	`controllerSpinDownTimeInterval`
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-write

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

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

Channel Table

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

The following object sets up the Channel Table.

Name	`channelTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2
Description	Defines the channel table.
Syntax	SEQUENCE OF ChannelEntry
Access	Not accessible

Channel Entry

Name	`channelEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1
Description	Defines the channel table entry.
Syntax	ChannelEntry
Access	Not accessible
Index:	channelNumber

Channel Number

Name	`channelNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.1
Description	Identifies the instance number of the channel entry.
Syntax	Integer
Access	Read-only

Channel Name

Name	`channelName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.2

Name	`channelName`
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

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

Channel Severity

Name	`channelSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.4
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Channel Termination

Name	`channelTermination`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.5
Description	Identifies the type of SCSI termination on this channel. Termination is required for proper operation of this channel. Possible values: 1: Wide Termination (16 bit) 2: Narrow Termination (8 bit) 3: Not Terminated
Syntax	Integer
Access	Read-only

Channel SCSI ID

Name	`channelSCSIID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.6
Description	Identifies the SCSI ID of the controller to which the channel belongs.
Syntax	Integer
Access	Read-only

Channel Roll-Up Status

Name	`channelRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.7
Description	Identifies the severity of the channel state. This is the combined status of the channel and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Channel Component Status

Name	`channelComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.8
Description	The status of the channel itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Channel Nexus ID

Name	`channelNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.9
Description	Durable unique ID for this channel.
Syntax	DisplayString
Access	Read-only

Channel Data Rate

Name	`channelDataRate`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.10
Description	Identifies the data rate of this channel.
Syntax	DisplayString
Access	Read-only

Channel Bus Type

Name	`channelBusType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.2.1.11
Description	The bus type of the channel. Possible values: 1: SCSI 2: IDE 3: Fibre Channel 4: Serial Storage Architecture (SSA) 6: Universal Serial Bus (USB) 7: SATA 8: SAS
Syntax	Integer
Access	Read-only

Enclosure Table

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

The following object sets up the Enclosure Table.

Name	`enclosureTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3
Description	Defines the enclosure table.
Syntax	SEQUENCE OF EnclosureEntry
Access	Not accessible

Enclosure Entry

Name	`enclosureEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1
Description	Defines the enclosure table entry.
Syntax	EnclosureEntry
Access	Not accessible
Index	enclosureNumber

Enclosure Number

Name	`enclosureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.1
Description	Identifies the instance number of the enclosure entry.
Syntax	Integer
Access	Read-only

Enclosure Name

Name	`enclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.2
Description	Identifies the enclosure's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Vendor

Name	`enclosureVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.3
Description	Identifies the enclosure's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Enclosure State

Name	`enclosureState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.4
Description	The current condition of the enclosure (which includes any devices connected to it.) Possible values: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 6: Degraded
Syntax	Integer
Access	Read-only

Enclosure Severity

Name	enclosureSeverity
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Enclosure ID

Name	enclosureID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.6
Description	Identifies the SCSI address of the processor.
Syntax	Integer
Access	Read-only

Enclosure Processor Version

Name	enclosureProcessorVersion
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.7
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Service Tag

Name	enclosureServiceTag
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.8
Description	The enclosure identification used when consulting customer support.
Syntax	DisplayString
Access	Read-only

Enclosure Asset Tag

Name	`enclosureAssetTag`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.9
Description	Customer definable asset tag for the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure Asset Name

Name	`enclosureAssetName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.10
Description	Customer definable asset name of the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure Split Bus Part Number

Name	`enclosureSplitBusPartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.11
Description	Identifies the enclosure's split bus part number.
Syntax	DisplayString
Access	Read-only

Enclosure Product ID

Name	`enclosureProductID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.12
Description	Identifies the enclosure's product identification. This also corresponds to the enclosure type.
Syntax	DisplayString
Access	Read-only

Enclosure Kernel Version

Name	`enclosureKernelVersion`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.13
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure ESM1 Part Number

Name	`enclosureESM1PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.14
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure ESM2 Part Number

Name	`enclosureESM2PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.15
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Type

Name	`enclosureType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.16
Description	Indicates the type of the enclosure. Possible values: 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

Enclosure Processor2 Version

Name	`enclosureProcessor2Version`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.17
Description	This entry is obsolete for Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Configuration

Name	`enclosureConfig`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.18
Description	Identifies the current configuration of the enclosure's backplane. Possible values: 1: Joined 2: Split Bus 3: Clustered 4: Unified
Syntax	Integer
Access	Read-only

Enclosure Channel Number

Name	`enclosureChannelNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.19
Description	Identifies the channel number, or bus, to which the enclosure is connected.
Syntax	Integer
Access	Read-only

Enclosure Alarm

Name	`enclosureAlarm`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.20
Description	Identifies the current status of the enclosure's alarm (PowerVault 220S and PowerVault 221S only.) Possible values: 1: Disabled 2: Enabled
Syntax	Integer
Access	Read-only

Enclosure Backplane Part Number

Name	`enclosureBackplanePartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.21
Description	Identifies the part number of the enclosure's backplane.
Syntax	Integer
Access	Read-only

Enclosure SCSI ID

Name	`enclosureSCSIID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.22
Description	Identifies the SCSI ID of the controller to which this enclosure is attached.
Syntax	Integer
Access	Read-only

Enclosure Roll-Up Status

Name	`enclosureRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.23
Description	Identifies the severity of the enclosure state. This is the combined status of the enclosure and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Enclosure Component Status

Name	`enclosureComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.24
Description	The status of the enclosure itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Enclosure Nexus ID

Name	`enclosureNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.25
Description	Durable unique ID for this enclosure.
Syntax	Integer
Access	Read-only

Enclosure FirmWare Version

Name	`enclosureFirmwareVersion`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.26
Description	The firmware version of the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure SCSI Rate

Name	enclosureSCSIRate
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.27
Description	Actual SCSI rate in the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure Part Number

Name	enclosurePartNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.28
Description	The part number of the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure Serial Number

Name	enclosureSerialNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.29
Description	Serial number of the enclosure.
Syntax	DisplayString
Access	Read-only

Enclosure SAS Address

Name	enclosureSASAddress
Object ID	1.3.6.1.4.1.674.10893.1.20.130.3.1.30
Description	The specified SAS address if this is a SAS enclosure.
Syntax	DisplayString
Access	Read-only

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

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

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

Array Disk Table

This table describes available properties for each physical array disk on the managed system.

The following object sets up the Array Disk Table.

Name	`arrayDiskTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4
Description	Defines the array disk table.
Syntax	SEQUENCE OF ArrayDiskEntry
Access	Not accessible

Array Disk Entry

Name	`arrayDiskEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1
Description	Defines the array disk table entry.
Syntax	ArrayDiskEntry
Access	Not accessible
Index	arrayDiskNumber

Array Disk Number

Name	`arrayDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.1
Description	Identifies the instance number of the array disk entry.
Syntax	Integer
Access	Read-only

Array Disk Name

Name	`arrayDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.2
Description	Identifies the name of the array disk as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Array Disk Vendor

Name	`arrayDiskVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.3
Description	The array disk's manufacturer's name.
Syntax	DisplayString
Access	Read-only

Array Disk State

Name	`arrayDiskState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.4
Description	Identifies the current state of the array disk. Possible states: 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. 15: Resynching - Indicates one of the following types of disk operations: Transform Type, Reconfiguration, and Check Consistency. 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
Syntax	Integer
Access	Read-only

Array Disk Severity

Name	`arrayDiskSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Array Disk Product ID

Name	`arrayDiskProductID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.6
Description	Identifies the model number of the array disk.
Syntax	DisplayString
Access	Read-only

Array Disk Serial Number

Name	`arrayDiskSerialNo`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.7
Description	Identifies the array disk's unique identification number from the manufacturer.
Syntax	DisplayString
Access	Read-only

Array Disk Revision

Name	`arrayDiskRevision`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.8
Description	Identifies the firmware version of the array disk.
Syntax	DisplayString
Access	Read-only

Array Disk Enclosure ID

Name	`arrayDiskEnclosureID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.9
Description	Identifies the SCSI ID of the enclosure processor to which this array disk belongs.
Syntax	DisplayString
Access	Read-only

Array Disk Channel

Name	`arrayDiskChannel`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.10
Description	Identifies the bus to which this array disk is connected.
Syntax	Integer
Access	Read-only

Array Disk Length in Megabytes

Name	`arrayDiskLengthInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.11
Description	Identifies the size in megabytes of the array disk. If this size is 0, it is smaller than a megabyte.
Syntax	Integer
Access	Read-only

Array Disk Length in Bytes

Name	`arrayDiskLengthInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.12
Description	Identifies the size of the array disk in bytes that is less than a megabyte. This size plus the arrayDiskLengthInMB is the total size of the array disk.
Syntax	Integer
Access	Read-only

Array Disk Largest Contiguous Free Space in Megabytes

Name	`arrayDiskLargestContiguousFreeSpaceInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.13
Description	The size in megabytes of the largest contiguous free space on the array disk. If this size is 0, it is less than a megabyte.
Syntax	Integer
Access	Read-only

Array Disk Largest Contiguous Free Space in Bytes

Name	`arrayDiskLargestContiguousFreeSpaceInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.14
Description	The size of the largest contiguous free space on this array disk in bytes that is less than a megabyte.This size plus the arrayDiskLargestContiguousFreeSpaceInMB is the total size of the largest contiguous free space on the array disk.
Syntax	Integer
Access	Read-only

Array Disk Target ID

Name	`arrayDiskTargetID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.15
Description	Identifies the SCSI target ID which this array disk is assigned.
Syntax	Integer
Access	Read-only

Array Disk LUN ID

Name	`arrayDiskLunID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.16
Description	Identifies the array disk's logical unit number.
Syntax	Integer
Access	Read-only

Array Disk Used Space in Megabytes

Name	`arrayDiskUsedSpaceInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.17
Description	Identifies the amount in megabytes of the used space on the array disk. If this size is 0, it is smaller than a megabyte.
Syntax	Integer
Access	Read-only

Array Disk Used Space in Bytes

Name	`arrayDiskUsedSpaceInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.18
Description	Identifies the size in bytes of the used space on the array disk that is smaller than a megabyte. This size plus the arrayDiskUsedSpaceInMB is the total amount of used space on the array disk.
Syntax	Integer
Access	Read-only

Array Disk Free Space in Megabytes

Name	`arrayDiskFreeSpaceInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.19
Description	Identifies the amount in megabytes of the free space on the array disk. If this size is 0, it is smaller than a megabyte.
Syntax	Integer
Access	Read-only

Array Disk Free Space in Bytes

Name	`arrayDiskFreeSpaceInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.20
Description	Identifies the size in bytes of the free space on the array disk that is smaller than a megabyte. This size plus the arrayDiskFreeSpaceInMB is the total amount of free space on the array disk.
Syntax	Integer
Access	Read-only

Array Disk Bus Type

Name	`arrayDiskBusType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.21
Description	Identifies the bus type of the array disk. Possible values: 1: SCSI 2: IDE 3: Fibre Channel 4: SSA 6: USB 7: SATA 8: SAS
Syntax	Integer
Access	Read-only

Array Disk Spare State

Name	`arrayDiskSpareState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.22
Description	Identifies the status of the array disk as a spare. Possible states: 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

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

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

Array Disk Device Name

Name	`arrayDiskDeviceName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.25
Description	Identifies the operating system device name for this disk.
Syntax	DisplayString
Access	Read-only

Array Disk Nexus ID

Name	`arrayDiskNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.26
Description	Indicates the durable unique ID for this array disk.
Syntax	DisplayString
Access	Read-only

Array Disk Part Number

Name	`arrayDiskPartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.27
Description	Indicates the part number of the disk.
Syntax	DisplayString
Access	Read-only

Array Disk SAS Address

Name	`arrayDiskSASAddress`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.28
Description	Indicates the specified SAS address if this is a SAS disk.
Syntax	DisplayString
Access	Read-only

Array Disk Negotiated Speed

Name	`arrayDiskNegotiatedSpeed`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.29
Description	Indicates the speed at which the drive is actually running in MPS (megabytes per second).
Syntax	Integer
Access	Read-only

Array Disk Capable Speed

Name	`arrayDiskCapableSpeed`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.30
Description	Indicates the maximum speed at which the drive is capable of negotiating in MPS (megabytes per second).
Syntax	Integer
Access	Read-only

Array Disk Smart Alert Indication

Name	`arrayDiskSmartAlertIndication`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.31
Description	Indicates whether the disk has received a predictive failure. 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

Array Disk Manufacture Day

Name	`arrayDiskManufactureDay`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.32
Description	Indicates the day of the week (1=Sunday through 7=Saturday) on which this disk was manufactured.
Syntax	DisplayString
Access	Read-only

Array Disk Manufacture Week

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

Array Disk Manufacture Year

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

Array Disk Media Type

Name	`arrayDiskMediaType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.4.1.35
Description	Indicates the media type of the array disk.
Syntax	INTEGER
Access	Read-only

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

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

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

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

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

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

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
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 of 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.

Name	`arrayDiskEnclosureConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5
Description	Defines the array disk enclosure connection table.
Syntax	SEQUENCE OF ArrayDiskEnclosureConnectionEntry
Access	Not accessible

Array Disk Enclosure Connection Entry

Name	`arrayDiskEnclosureConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1
Description	Defines the array disk enclosure connection table entry.
Syntax	ArrayDiskEnclosureConnectionEntry
Access	Not accessible
Index	arrayDiskEnclosureConnectionNumber

Array Disk Enclosure Connection Number

Name	`arrayDiskEnclosureConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.1
Description	Identifies the instance number of the array disk enclosure connection entry.
Syntax	Integer
Access	Read-only

Array Disk Enclosure Connection Array Disk Name

Name	`arrayDiskEnclosureConnectionArrayDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.2
Description	Identifies the name of the array disk in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Array Disk Enclosure Connection Array Disk Number

Name	`arrayDiskEnclosureConnectionArrayDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.3
Description	Identifies the instance number of the array disk in the arrayDiskTable in this connection.
Syntax	Integer
Access	Read-only

Array Disk Enclosure Connection Enclosure Name

Name	`arrayDiskEnclosureConnectionEnclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.4
Description	Identifies the name of the enclosure as represented in Storage Management to which this array disk belongs.
Syntax	DisplayString
Access	Read-only

Array Disk Enclosure Connection Enclosure Number

Name	`arrayDiskEnclosureConnectionEnclosureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.5
Description	Identifies the instance number in the enclosureTable of the enclosure to which this array disk belongs.
Syntax	Integer
Access	Read-only

Array Disk Enclosure Connection Controller Name

Name	`arrayDiskEnclosureConnectionControllerName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.6
Description	Identifies the name of the controller as represented in Storage Management to which this array disk is connected.
Syntax	DisplayString
Access	Read-only

Array Disk Enclosure Connection Controller Number

Name	`arrayDiskEnclosureConnectionControllerNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.5.1.7
Description	Identifies the instance number in the controllerTable of the controller to which this array disk is connected.
Syntax	Integer
Access	Read-only

Array Disk Channel Connection Table

This table describes the connections between array disks, their channel, and their associated controller. For each object in the table, its object number corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

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

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

Name	`arrayDiskChannelConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6
Description	Defines the array disk channel connection table.
Syntax	SEQUENCE OF ArrayDiskChannelConnectionEntry
Access	Not accessible

Array Disk Channel Connection Entry

Name	`arrayDiskChannelConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1
Description	Defines the array disk channel connection table entry.
Syntax	ArrayDiskChannelConnectionEntry
Access	Not accessible
Index	arrayDiskEnclosureConnectionNumber

Array Disk Channel Connection Number

Name	`arrayDiskChannelConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.1
Description	Identifies the instance number of the array disk channel connection entry.
Syntax	Integer
Access	Read-only

Array Disk Channel Connection Array Disk Name

Name	`arrayDiskChannelConnectionArrayDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.2
Description	Identifies the name of the array disk in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Array Disk Channel Connection Array Disk Number

Name	`arrayDiskChannelConnectionArrayDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.3
Description	Identifies the instance number of the array disk in the arrayDiskTable in this connection.
Syntax	Integer
Access	Read-only

Array Disk Channel Connection Channel Name

Name	`arrayDiskChannelConnectionChannelName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.4
Description	Identifies the name of the channel as represented in Storage Management to which is array disk is connected.
Syntax	DisplayString
Access	Read-only

Array Disk Channel Connection Channel Number

Name	`arrayDiskChannelConnectionChannelNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.5
Description	Identifies the instance number of the channel in the channelTable to which this array disk is connected.
Syntax	Integer
Access	Read-only

Array Disk Channel Connection Controller Name

Name	`arrayDiskChannelConnectionControllerName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.6
Description	Identifies the name of the controller as represented in Storage Management to which this array disk is connected.
Syntax	DisplayString
Access	Read-only

Array Disk Channel Connection Controller Number

Name	`arrayDiskChannelConnectionControllerNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.6.1.7
Description	Identifies the instance number in the controllerTable of the controller to which this array disk is connected.
Syntax	Integer
Access	Read-only

Fan Table

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

The following object sets up the Fan Table.

Name	`fanTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7
Description	Defines the fan table.
Syntax	SEQUENCE OF FanEntry
Access	Not accessible

Fan Entry

Name	`fanEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1
Description	Defines the fan table entry.
Syntax	FanEntry
Access	Not accessible
Index	fanNumber

Fan Number

Name	`fanNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.1
Description	Identifies the instance number of the fan entry.
Syntax	Integer
Access	Read-only

Fan Name

Name	`Fan Name`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.2
Description	Identifies the fan's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Vendor

Name	`fanVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.3
Description	Identifies the fan's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Fan State

Name	`fanState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.4
Description	Identifies the current state of the fan. Possible states: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 6: Degraded 21: Missing
Syntax	Integer
Access	Read-only

Fan Severity

Name	`fanSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Fan Probe Unit

Name	`fanProbeUnit`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.6
Description	This entry is obsolete for Storage Services.
Syntax	DisplayString
Access	Read-only

Fan Probe Minimum Warning

Name	`fanProbeMinimumWarning`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.7
Description	This entry is obsolete. This setting is not supported by fans managed under Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Probe Minimum Critical

Name	`fanProbeMinimumCritical`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.8
Description	This entry is obsolete. This setting is not supported by fans managed under Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Probe Maximum Warning

Name	`fanProbeMaximumWarning`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.9
Description	This entry is obsolete. This setting is not supported by fans managed under Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Probe Maximum Critical

Name	`fanProbeMaximumCritical`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.10
Description	This entry is obsolete. This setting is not supported by fans managed under Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Probe Current Value

Name	`fanProbeCurrValue`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.11
Description	Identifies the current speed of the fan.
Syntax	DisplayString
Access	Read-only

Fan1 Part Number

Name	`fan1PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.12
Description	Identifies the part number of the fan in the enclosure.
Syntax	DisplayString
Access	Read-only

Fan 2 Part Number

Name	`fan2PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.13
Description	This entry is obsolete. This setting is not supported by fans managed under Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Roll-Up Status

Name	`fanRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.14
Description	Severity of the fan state. This is the combined status of the fan and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Fan Component Status

Name	`fanComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.15
Description	The status of the fan itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Fan Nexus ID

Name	`fanNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.16
Description	Durable unique ID for this fan.
Syntax	DisplayString
Access	Read-only

Fan Revision

Name	`fanRevision`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.7.1.17
Description	Indicates the revision number of the fan in the enclosure.
Syntax	DisplayString
Access	Read-only

Fan Connection Table

This table describes the connection between each fan on the managed system and its enclosure. Each enclosure number in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Fan Connection Table.

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

Fan Connection Entry

Name	`fanConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1
Description	Defines the fan connection table entry.

Name	`fanConnectionEntry`
Syntax	FanConnectionEntry
Access	Not accessible
Index	fanConnectionNumber

Fan Connection Number

Name	`fanConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1.1
Description	Identifies the instance number of the fan connection entry.
Syntax	Integer
Access	Read-only

Fan Connection Fan Name

Name	`fanConnectionFanName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1.2
Description	Identifies the name of the fan in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Fan Connection Fan Number

Name	`fanConnectionFanNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1.3
Description	Identifies the instance number of the fan in the fanTable in the connection.
Syntax	Integer
Access	Read-only

Fan Connection Enclosure Name

Name	`fanConnectionEnclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1.4
Description	Identifies the name of the enclosure as represented in Storage Management to which this fan belongs.
Syntax	DisplayString
Access	Read-only

Fan Connection Enclosure Number

Name	`fanConnectionEnclosureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.8.1.5
Description	Identifies the instance number of the enclosure in the enclosureTable to which this fan belongs.
Syntax	Integer
Access	Read-only

Power Supply Table

This table describes available properties for each power supply on the managed system.

The following object sets up the Power Supply Table.

Name	`powerSupplyTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9
Description	Defines the power supply table.
Syntax	SEQUENCE OF PowerSupplyEntry
Access	Not accessible

Power Supply Entry

Name	powerSupplyEntry
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1
Description	Defines the power supply table entry.
Syntax	PowerSupplyEntry
Access	Not accessible
Index	powerSupplyNumber

Power Supply Number

Name	powerSupplyNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.1
Description	Identifies the instance number of the power supply entry.
Syntax	Integer
Access	Read-only

Power Supply Name

Name	powerSupplyName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.2
Description	Identifies the power supply's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Power Supply Vendor

Name	powerSupplyVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.3
Description	Identifies the power supply's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Power Supply State

Name	`powerSupplyState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.4
Description	Identifies the current state of the power supply. Possible states: 0: Unknown 1: Ready 2: Failed 5: Not Installed 6: Degraded 11: Removed
Syntax	Integer
Access	Read-only

Power Supply Severity

Name	`powerSupplySeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Power Supply 1 Part Number

Name	`powerSupply1PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.6
Description	Identifies the part number of the power supply of the enclosure.
Syntax	DisplayString
Access	Read-only

Power Supply 2 Part Number

Name	`powerSupply2PartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.7
Description	This entry is obsolete. This setting is not supported by power supplies managed under Storage Management
Syntax	DisplayString
Access	Read-only

Power Supply Roll-Up Status

Name	`powerSupplyRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.8
Description	Severity of the power supply state. This is the combined status of the power supply and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Power Supply Component Status

Name	`powerSupplyComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.9
Description	Severity of the power supply state. This is the combined status of the power supply and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Power Supply NexusID

Name	`powerSupplyNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.10
Description	Durable unique ID for this power supply.
Syntax	DisplayString
Access	Read-only

Power Supply Revision

Name	`powerSupplyRevision`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.9.1.11
Description	Indicates the revision number of the power supply in the enclosure.
Syntax	DisplayString
Access	Read-only

Power Supply Connection Table

This table describes the connection between each power supply on the managed system and its enclosure. Each enclosure number in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Power Supply Connection Table.

Name	`powerSupplyConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10
Description	Defines the power supply connection table.
Syntax	SEQUENCE OF PowerSupplyConnectionEntry
Access	Not accessible

Power Supply Connection Entry

Name	`powerSupplyConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1
Description	Defines the power supply connection table entry.
Syntax	PowerSupplyConnectionEntry
Access	Not accessible
Index	powerSupplyConnectionNumber

Power Supply Connection Number

Name	`powerSupplyConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.1
Description	Identifies the instance number of the power supply connection entry.
Syntax	Integer
Access	Read-only

Power Supply Connection Power Supply Name

Name	`powerSupplyConnectionPowerSupplyName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.2
Description	Identifies the name of the power supply in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Power Supply Connection Power Supply Number

Name	`powerSupplyConnectionPowerSupplyNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.3
Description	Identifies the instance number of the power supply in the powerSupplyTable in the connection.
Syntax	Integer
Access	Read-only

Power Supply Connection Enclosure Name

Name	`powerSupplyConnectionEnclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.4
Description	Identifies the name of the enclosure as represented in Storage Management to which this power supply belongs.
Syntax	DisplayString
Access	Read-only

Power Supply Connection Enclosure Number

Name	`powerSupplyConnectionEnclosureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.10.1.5
Description	Identifies the instance number of the enclosure in the enclosureTable to which this power supply belongs.
Syntax	Integer
Access	Read-only

Temperature Probe Table

This table describes available properties for each temperature probe on the managed system.

The following object sets up the Temperature Probe Table.

Name	`temperatureProbeTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11
Description	A table of managed temperature probes. The number of entries is related to the number of temperature probes discovered in the system. The maximum number of entries is implementation dependent. **NOTE:** The properties in this table may not be applicable to all entries.
Syntax	SEQUENCE OF TemperatureProbeEntry
Access	Not accessible

Temperature Probe Entry

Name	`temperatureProbeEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1
Description	An entry in the Temperature Probe Table. A row in this table cannot be created or deleted by SNMP operations on columns of the table.
Syntax	TemperatureProbeEntry
Access	Not accessible
Index	TemperatureProbeNumber

Temperature Probe Number

Name	`temperatureProbeNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.1
Description	Identifies the instance number of the temperature probe entry.
Syntax	Integer
Access	Read-only

Temperature Probe Name

Name	`temperatureProbeName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.2
Description	Identifies the temperature probe's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Temperature Probe Vendor

Name	`temperatureProbeVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.3
Description	Identifies the temperature probe's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Temperature Probe State

Name	`temperatureProbeState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.4
Description	Identifies the current state of the temperature probe. Possible states: 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

Temperature Probe Severity

Name	`temperatureProbeSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Temperature Probe Unit

Name	`temperatureProbeUnit`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.6
Description	The units that are used to display temperatures for the temperature probe.
Syntax	DisplayString
Access	Read-only

Temperature Probe Minimum Warning

Name	`temperatureProbeMinWarning`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.7
Description	Identifies the minimum temperature that forces the probe into a warning state.
Syntax	Integer
Access	Read-only

Temperature Probe Minimum Critical

Name	`temperatureProbeMinCritical`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.8
Description	Identifies the minimum temperature that forces the probe into an error state.
Syntax	Integer
Access	Read-only

Temperature Probe Maximum Warning

Name	`temperatureProbeMaxWarning`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.9
Description	Identifies the maximum temperature that forces the probe into a warning state.
Syntax	Integer
Access	Read-only

Temperature Probe Maximum Critical

Name	`temperatureProbeMaxCritical`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.10
Description	Identifies the maximum temperature that forces the probe into an error state.
Syntax	Integer
Access	Read-only

Temperature Probe Current Value

Name	`temperatureProbeCurValue`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.11
Description	Identifies the current temperature of this probe.
Syntax	Integer
Access	Read-only

Temperature Probe Roll-Up Status

Name	`temperatureProbeRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.12
Description	Severity of the temperature probe state. This is the combined status of the temperature probe and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Temperature Probe Component Status

Name	`temperatureProbeComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.13
Description	The status of the temperature probe itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Temperature Probe Nexus ID

Name	temperatureProbeNexusID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.11.1.14
Description	Durable unique ID for this temperature probe.
Syntax	DisplayString
Access	Read-only

Temperature Probe Connection Table

This table describes the connection between each temperature probe on the managed system and its enclosure. Each enclosure number in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Temperature Probe Connection Table.

Name	temperatureConnectionTable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12
Description	Defines the temperature probe connection table.
Syntax	SEQUENCE OF TemperatureConnectionEntry
Access	Not accessible

Temperature Probe Connection Entry

Name	temperatureConnectionEntry
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1
Description	Defines the temperature probe connection table entry.
Syntax	TemperatureConnectionEntry
Access	Not accessible
Index	temperatureConnectionNumber

Temperature Probe Connection Number

Name	`temperatureConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1.1
Description	Identifies the instance number of the temperature probe connection entry.
Syntax	Integer
Access	Read-only

Temperature Probe Connection Temperature Probe Name

Name	`temperatureConnectionTemperatureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1.2
Description	Identifies the name of the temperature probe in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Temperature Probe Connection Temperature Probe Number

Name	`temperatureConnectionTemperatureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1.3
Description	Identifies the instance number in the temperatureTable of the temperature probe in this connection.
Syntax	Integer
Access	Read-only

Temperature Probe Connection Enclosure Name

Name	`temperatureConnectionEnclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1.4
Description	Identifies the name of the enclosure as represented in Storage Management to which this temperature probe belongs.
Syntax	DisplayString
Access	Read-only

Temperature Probe Connection Enclosure Number

Name	`temperatureConnectionEnclosureNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.12.1.5
Description	Identifies the instance number of the enclosure in the enclosureTable to which this temperature probe belongs.
Syntax	Integer
Access	Read-only

Enclosure Management Module Table

This table describes available properties for each enclosure management module on the managed system.

The following object sets up the Enclosure Management Module Table.

Name	`enclosureManagementModuleTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13
Description	Defines the enclosure management module table.
Syntax	SEQUENCE OF EnclosureManagementModuleEntry
Access	Not accessible

Enclosure Management Module Entry

Name	`EnclosureManagementModuleEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1
Description	Defines the enclosure management module table entry.
Syntax	EnclosureManagementModuleEntry
Access	Not accessible
Index	enclosureManagementModuleNumber

Enclosure Management Module Number

Name	`enclosureManagementModuleNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.1
Description	Identifies the instance number of the enclosure management module entry.
Syntax	Integer
Access	Read-only

Enclosure Management Module Name

Name	`enclosureManagementModuleName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.2
Description	Identifies the enclosure management module's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Vendor

Name	`enclosureManagementModuleVendor`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.3
Description	Identifies the enclosure management module's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module State

Name	`enclosureManagementModuleState`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.4
Description	Identifies the current state of the enclosure management module. Possible states: 0: Unknown 1: Ready 2: Failed 3: Online 4: Offline 5: Not Installed 6: Degraded 21: Missing
Syntax	Integer
Access	Read-only

Enclosure Management Module Severity

Name	`enclosureManagementModuleSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Enclosure Management Module Part Number

Name	`enclosureManagementModulePartNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.6
Description	Identifies the part number of the enclosure memory module.
Syntax	Display String
Access	Read-only

Enclosure Management Module Type

Name	`enclosureManagementModuleType`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.7
Description	Identifies the type of the enclosure management module. Possible values: 0: Unknown 1: EMM 2: Termination Card
Syntax	Integer
Access	Read-only

Enclosure Management Module Firmware Version

Name	`enclosureManagementModuleFWVersion`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.8
Description	Identifies the firmware version of the enclosure memory module.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Maximum Speed

Name	`enclosureManagementModuleMaxSpeed`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.9
Description	Identifies the maximum bus speed of the enclosure management module.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Roll-Up Status

Name	`enclosureManagementModuleRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.10
Description	Severity of the enclosure management module state. This is the combined status of the EMM and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Enclosure Management Module Component Status

Name	`enclosureManagementModuleComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.11
Description	The status of the enclosure management module itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Enclosure Management Module Nexus ID

Name	`enclosureManagementModuleNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.12
Description	Durable unique ID for this EMM.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Revision

Name	`enclosureManagementModuleRevision`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.13.1.13
Description	Identifies the revision number of the enclosure management module.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Connection Table

This table describes the connection between each enclosure management module on the managed system and its enclosure. Each enclosure number in the table corresponds to that enclosure instance in the enclosure Table.

The following object sets up the Enclosure Management Module Connection Table.

Name	`enclosureManagementModuleConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14
Description	Defines the enclosure memory module connection table.
Syntax	SEQUENCE OF EnclosureManagementModuleConnectionEntry
Access	Not accessible

Enclosure Management Module Connection Entry

Name	`enclosureManagementModuleConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14.1
Description	Defines the enclosure memory module connection table entry.
Syntax	EnclosureManagementModuleConnectionEntry
Access	Not accessible
Index	enclosureManagementModuleConnectionNumber

Enclosure Management Module Connection Number

Name	`enclosureManagementModuleConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14.1.1
Description	Identifies the instance number of the enclosure memory module connection entry.
Syntax	Integer
Access	Read-only

Enclosure Management Module Connection EMM Name

Name	`enclosureManagementModuleConnectionEMMName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14.1.2
Description	Identifies the name of the enclosure memory module in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Connection EMM Number

Name	`enclosureManagementModuleConnectionEMMNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14.1.3
Description	Identifies the instance number in the enclosureManagementModuleTable of the enclosure memory module in this connection.
Syntax	Integer
Access	Read-only

Enclosure Management Module Connection Enclosure Name

Name	`enclosureManagementModuleConnectionEnclosureName`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.14.1.4
Description	Identifies the name of the enclosure as represented in Storage Management to which this enclosure memory module belongs.
Syntax	DisplayString
Access	Read-only

Enclosure Management Module Connection Enclosure Number

Name	`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.

Name	batteryTable
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15
Description	Defines the battery table.
Syntax	SEQUENCE OF BatteryEntry
Access	Not accessible

Battery Entry

Name	batteryEntry
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1
Description	Defines the battery table entry.
Syntax	BatteryEntry
Access	Not accessible
Index	batteryNumber

Battery Number

Name	batteryNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.1
Description	Identifies the instance number of the battery entry.
Syntax	Integer
Access	Read-only

Battery Name

Name	batteryName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.2
Description	Identifies the battery's name as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Battery Vendor

Name	batteryVendor
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.3
Description	Identifies the battery's (re)seller's name.
Syntax	DisplayString
Access	Read-only

Battery State

Name	batteryState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.4
Description	Identifies the current state of battery. Possible values: 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

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 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Battery Component Status

Name	batteryComponentStatus
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.6
Description	The status of the battery itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Battery Charge Count

Name	batteryChargeCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.7
Description	The number of charges that have been applied to the battery.
Syntax	Integer
Access	Read-only

Battery Max Charge Count

Name	batteryMaxChargeCount
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.8
Description	The maximum number of charges that can be applied to the battery.
Syntax	Integer
Access	Read-only

Battery Nexus ID

Name	batteryNexusID
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.9
Description	Durable unique ID for this EMM.
Syntax	DisplayString
Access	Read-only

Battery Predicted Capacity

Name	batteryPredictedCapacity
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.10
Description	Displays the battery's ability to be charged. 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

Battery Next Learn Time

Name	batteryNextLearnTime
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.11
Description	Indicates the time (in hours) the next learn cycle must be executed
Syntax	Integer
Access	Read-only

Battery Learn State

Name	batteryLearnState
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.12
Description	Specifies the learn state activity of the battery. Possible values: 1: Failed 2: Active 4: Timed out 8: Requested 16: Idle
Syntax	Integer
Access	Read-only

Battery Maximum Learn Delay

Name	batteryMaxLearnDelay
Object ID	1.3.6.1.4.1.674.10893.1.20.130.15.1.14
Description	The maximum amount of time (in hours) that the battery learn cycle can be delayed.
Syntax	Integer
Access	Read-only

Battery Connection Table

This table describes the connection between each controller battery on the managed system and its controller. Each controller number in the table corresponds to that controller instance in the controller Table.

The following object sets up the Battery Connection Table.

Name	`batteryConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16
Description	Defines the battery connection table.
Syntax	SEQUENCE OF BatteryConnectionEntry
Access	Not accessible

Battery Connection Entry

Name	`batteryConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1
Description	Defines the battery connection table entry.
Syntax	BatteryConnectionEntry
Access	BatteryConnectionEntry
Index	BatteryConnectionNumber

Battery Connection Number

Name	`batteryConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1.1
Description	Identifies the instance number of the battery connection entry.
Syntax	Integer
Access	Read-only

Battery Connection Battery Name

Name	batteryConnectionBatteryName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1.2
Description	Identifies the name of the battery in this connection as represented in Storage Management.
Syntax	DisplayString
Access	Read-only

Battery Connection Battery Number

Name	batteryConnectionBatteryNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1.3
Description	Identifies the instance number in the batteryTable of the battery in this connection.
Syntax	Integer
Access	Read-only

Battery Connection Controller Name

Name	batteryConnectionControllerName
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1.4
Description	Identifies the name of the controller as represented in Storage Management to which this battery belongs.
Syntax	DisplayString
Access	Read-only

Battery Connection Controller Number

Name	batteryConnectionControllerNumber
Object ID	1.3.6.1.4.1.674.10893.1.20.130.16.1.5
Description	Identifies instance number of the controller in the controllerTable to which this battery belongs.
Syntax	Integer
Access	Read-only

Logical Devices Group

The Logical Devices Management Information Base (MIB) group provides information about the logical devices managed by the Dell Storage Management Software and their relationships to each other.

This group and all of its associated tables and objects are not supported on Microsoft Windows Advanced Server Limited Edition 64-bit operating system (Windows.Net-64) on a Dell PowerEdge 7150. The following MIB tables define objects and relationships, or connections among the objects, in the Logical Devices Group:

- **Virtual Disk Table**—describes available properties for each virtual disk on the managed system.
- **Array Disk Logical Connection Table**—describes the connections between array disks, the virtual disk to which they belong, and their associated logical disk. For each object in the table, its object number corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

Virtual Disk Table

This table describes available properties for each virtual disk on the managed system.

The following object sets up the Virtual Disk Table.

Name	`virtualDiskTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1
Description	Defines the virtual disk table.
Syntax	SEQUENCE OF VirtualDiskEntry
Access	Not accessible

Virtual Disk Entry

Name	`virtualDiskEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1
Description	Defines the virtual disk table entry.
Syntax	VirtualDiskEntry
Access	Not accessible
Index	virtualDiskNumber

Virtual Disk Number

Name	`virtualDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.1
Description	Identifies the instance number of the virtual disk entry.
Syntax	Integer
Access	Read-only

Virtual Disk Name

Name	`virtualDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.2
Description	Identifies the virtual disk's label generated by Storage Management or entered by the user.
Syntax	DisplayString
Access	Read-only

Virtual Device Disk Name

Name	`virtualDiskDeviceName`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.3
Description	Identifies the device name used by this virtual disk's member disks.
Syntax	DisplayString
Access	Read-only

Virtual Disk State

Name	`virtualDiskState`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.4
Description	Identifies the current state of this virtual disk. Possible states: 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

Virtual Disk Severity

Name	`virtualDiskSeverity`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.5
Description	This entry is obsolete for Storage Management. It was replaced with RollUpStatus and ComponentStatus for each device.
Syntax	Integer
Access	Read-only

Virtual Disk Length in Megabytes

Name	`virtualDiskLengthInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.6
Description	Identifies the size of this virtual disk in megabytes. If this size is 0, it is smaller than a megabyte.
Syntax	Integer
Access	Read-only

Virtual Disk Length in Bytes

Name	`virtualDiskLengthBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.7
Description	Identifies the portion of the virtual disk in bytes that is smaller than a megabyte. This size plus the virtualDiskLengthInMB is the total size of the virtual disk.
Syntax	Integer
Access	Read-only

Virtual Disk Free Space in Megabytes

Name	`virtualDiskFreeSpaceInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.8
Description	This entry is obsolete. This property is not supported by virtual disks managed under Storage Management.
Syntax	Integer
Access	Read-only

Virtual Disk Free Space in Bytes

Name	`virtualDiskFreeSpaceInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.9
Description	This entry is obsolete. This property is not supported by virtual disks managed under Storage Management.
Syntax	Integer
Access	Read-only

Virtual Disk Write Policy

Name	`virtualDiskWritePolicy`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.10
Description	Indicates whether the controller's write cache are used when writing to a virtual disk. 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

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

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

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
Syntax	Integer
Access	Read-only

Virtual Disk Current Stripe Size in Megabytes

Name	`virtualDiskCurStripeSizeInMB`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.14
Description	Identifies the stripe size of this virtual disk in megabytes. If this size is 0, it is smaller than a megabyte.
Syntax	Integer
Access	Read-only

Virtual Disk Current Stripe Size in Bytes

Name	`virtualDiskCurStripeSizeInBytes`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.15
Description	Identifies the portion of the stripe size in bytes that is smaller than a megabyte. This size plus the virtualDiskCurStripeSizeInMB is the total stripe size on the virtual disk.
Syntax	Integer
Access	Read-only

Virtual Disk Channel

Name	`virtualDiskChannel`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.16
Description	This entry is obsolete. This property is not supported by virtual disks managed under Storage Management.
Syntax	Integer
Access	Read-only

Virtual Disk Target ID

Name	`virtualDiskTargetID`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.17
Description	Unique ID for the virtual disk.
Syntax	Integer
Access	Read-only

Virtual Disk LUN ID

Name	`virtualDiskLunID`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.18
Description	This entry is obsolete. This property is not supported by virtual disks managed under Storage Management.
Syntax	Integer
Access	Read-only

Virtual Disk Roll-Up Status

Name	`virtualDiskRollUpStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.19
Description	Severity of the virtual disk state. This is the combined status of the virtual disk and its components. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Virtual Disk Component Status

Name	`virtualDiskComponentStatus`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.20
Description	The status of the virtual disk itself without the propagation of any contained component status. Possible values: 1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable
Syntax	DellStatus
Access	Read-only

Virtual Disk Nexus ID

Name	`virtualDiskNexusID`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.21
Description	Durable unique ID for this virtual disk.
Syntax	DisplayString
Access	Read-only

Virtual Disk Array Disk Type

Name	`virtualDiskArrayDiskType`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.1.1.22
Description	Identifies the type of array (physical) disks used to create the virtual disk. Possible values: 1: SAS 2: SATA 3: SCSI 4: IDE 99: Unknown
Syntax	Integer
Access	Read-only

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

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

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

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
Syntax	Integer
Access	Read-only

Array Disk Logical Connection Table

This table describes the connections between array disks, the virtual disk to which they belong, and their associated logical disk. For each object in the table, its object number corresponds to an instance number in the appropriate MIB table for that object where all of the object properties can be found.

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

Name	`arrayDiskLogicalConnectionTable`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3
Description	Defines the array disk logical connection table.
Syntax	SEQUENCE OF arrayDiskLogicalConnectionEntry
Access	Not accessible

Array Disk Logical Connection Entry

Name	`arrayDiskLogicalConnectionEntry`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1
Description	Defines the array disk logical connection table entry.
Syntax	ArrayDiskLogicalConnectionEntry
Access	Not accessible
Index	arrayDiskLogicalConnectionNumber

Array Disk Logical Connection Number

Name	`arrayDiskLogicalConnectionNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.1
Description	Identifies the instance number of the disk entry.
Syntax	Integer
Access	Read-only

Array Disk Logical Connection Array Disk Name

Name	`arrayDiskLogicalConnectionArrayDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.2
Description	Identifies the name of the array disk in this logical connection.
Syntax	DisplayString
Access	Read-only

Array Disk Logical Connection Array Disk Number

Name	`arrayDiskLogicalConnectionArrayDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.3
Description	Identifies the instance number of the array disk in this logical connection.
Syntax	Integer
Access	Read-only

Array Disk Logical Connection Virtual Disk Name

Name	`arrayDiskLogicalConnectionVirtualDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.4
Description	Identifies the name of the virtual disk to which this array disk belongs.
Syntax	DisplayString
Access	Read-only

Array Disk Logical Connection Virtual Disk Number

Name	`arrayDiskLogicalConnectionVirtualDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.5
Description	Identifies the instance number of the virtual disk to which this array disk belongs.
Syntax	Integer
Access	Read-only

Array Disk Logical Connection Disk Name

Name	`arrayDiskLogicalConnectionDiskName`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.6
Description	Identifies the name of the disk group to which this array disk belongs. This property is currently not supported.
Syntax	DisplayString
Access	Read-only

Array Disk Logical Connection Disk Number

Name	`arrayDiskLogicalConnectionDiskNumber`
Object ID	1.3.6.1.4.1.674.10893.1.20.140.3.1.7
Description	Identifies the instance number of the disk group to which this array disk belongs. This property is currently not supported.
Syntax	Integer
Access	Read-only

Storage Management Event Group

The Storage Management Event Group defines the properties that are sent with SNMP traps.

Message ID Event

Name	`messageIDEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.1
Description	Storage Management event message number.
Syntax	Integer
Access	Read-only

Description Event

Name	`descriptionEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.2
Description	Storage Management event message text describing the alert.
Syntax	DisplayString
Access	Read-only

Location Event

Name	`locationEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.3

Name	`locationEvent`
Description	Additional information identifying the location of the object causing the alert.
Syntax	DisplayString
Access	Read-only

Object Name Event

Name	`objectNameEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.4
Description	Name of the object as represented in Storage Management causing the alert.
Syntax	DisplayString
Access	Read-only

Object OID Event

Name	`objectOIDEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.5
Description	MIB OID of the object causing the alert.
Syntax	DisplayString
Access	Read-only

Object Nexus Event

Name	`objectNexusEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.6
Description	Durable, unique ID of the object causing the alert.
Syntax	DisplayString
Access	Read-only

Current Status Event

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

Previous Status Event

Name	`previousStatusEvent`
Object ID	1.3.6.1.4.1.674.10893.1.20.200.8
Description	Previous status of object causing the alert if applicable.
Syntax	DellStatus
Access	Read-only

25

Change Management Group

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

Inventory Group

The following objects describe the fields for inventory information.

Inventory Locale

Name	`inventoryLocale`
Object ID	1.3.6.1.4.1.674.10899.1.1
Description	Defines the locale of the system.
Syntax	DisplayString
Access	Read-only

Inventory Schema Version

Name	`inventorySchemaVersion`
Object ID	1.3.6.1.4.1.674.10899.1.2
Description	Defines the inventory schema implemented by this system.
Syntax	DisplayString
Access	Read-only

Inventory System ID

Name	`inventorySystemID`
Object ID	1.3.6.1.4.1.674.10899.1.3
Description	Defines the System ID for the system.
Syntax	SystemID

Name	`inventorySystemID`
Access	Read-only

Device Group

The Device Group defines information about the devices discovered on the system during an inventory scan. Identifying information includes the Component ID, the Device ID, and the Vendor ID.

Device Group Table

The following object sets up the Device Group Table.

Name	`deviceTable`
Object ID	1.3.6.1.4.1.674.10899.1.5
Description	Defines the Device Table.
Syntax	SEQUENCE OF DeviceEntry
Access	Not accessible

Device Entry

Name	`deviceEntry`
Object ID	1.3.6.1.4.1.674.10899.1.5.1
Description	Defines a device entry.
Syntax	DeviceEntry
Access	Not accessible

Device Index

Name	`deviceIndex`
Object ID	1.3.6.1.4.1.674.10899.1.5.1.1
Description	Defines the unique index for this device.
Syntax	Unsigned16BitRange
Access	Read-only

Device Component ID

Name	deviceComponentID
Object ID	1.3.6.1.4.1.674.10899.1.5.1.2
Description	Defines an optional component ID field for the device.
Syntax	Integer
Access	Read-only

Device Display String

Name	deviceDisplayString
Object ID	1.3.6.1.4.1.674.10899.1.5.1.3
Description	Provides a displayable string that describes the device.
Syntax	DisplayString
Access	Read-only

Device Vendor ID

Name	deviceVendorID
Object ID	1.3.6.1.4.1.674.10899.1.5.1.4
Description	Defines the ID for the vendor supplying the device.
Syntax	Octet String
Access	Read-only

Device ID

Name	deviceDeviceID
Object ID	1.3.6.1.4.1.674.10899.1.5.1.5
Description	Defines the ID for the device.
Syntax	Octet String
Access	Read-only

Device Sub ID

Name	`deviceSubID`
Object ID	1.3.6.1.4.1.674.10899.1.5.1.6
Description	Provides additional device identification.
Syntax	Octet String
Access	Read-only

Device Sub Vendor ID

Name	`deviceSubVendorID`
Object ID	1.3.6.1.4.1.674.10899.1.5.1.7
Description	Provides additional vendor identification.
Syntax	Octet String
Access	Read-only

Application Group

NOTE: Dell updateable components such as Basic input/output system (BIOS) and FirmWare (FW) are considered applications. For example, the following would be returned for system BIOS: `Application/DisplayString = BIOS Application/Version = A10`

The Application Group defines information about the applications discovered on the system during an inventory scan. Identifying information includes the application type, the application version, and the application description.

Application Group Table

The following object sets up the Application Group Table.

Name	`applicationTable`
Object ID	1.3.6.1.4.1.674.10899.1.6
Description	Defines a table of application information for the system.
Syntax	SEQUENCE OF ApplicationEntry
Access	Not accessible

Application Entry

Name	`applicationEntry`
Object ID	1.3.6.1.4.1.674.10899.1.6.1
Description	Defines an application entry.
Syntax	ApplicationEntry
Access	Read-only

Application Index

Name	`applicationIndex`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.1
Description	Defines the unique index for this application.
Syntax	Unsigned16BitRange
Access	Read-only

Application Device Index

Name	`applicationDeviceIndex`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.2
Description	Defines a cross-index to the device table for the application.
Syntax	Unsigned16BitRange
Access	Read-only

Application Component Type

Name	`applicationComponentType`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.3
Description	Identifies the type of application reported.
Syntax	DisplayString
Access	Read-only

Application Version

Name	`applicationVersion`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.4
Description	Identifies the version of the application.
Syntax	DisplayString
Access	Read-only

Application Display String

Name	`applicationDisplayString`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.5
Description	A user visible display string that describes the application.
Syntax	DisplayString
Access	Read-only

Application Sub-Component ID

Name	`applicationSubComponentID`
Object ID	1.3.6.1.4.1.674.10899.1.6.1.6
Description	The sub-component ID for the application. This is usually valid on ESM device reporting.
Syntax	DisplayString
Access	Read-only

Operating System Group

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

The following objects describe the fields for Operating System Group.

Operating System Vendor

Name	`operatingSystemVendor`
Object ID	1.3.6.1.4.1.674.10899.2.1
Description	Defines the vendor of the Operating System.
Syntax	DisplayString
Access	Read-only

Operating System Major Version

Name	`operatingSystemMajorVersion`
Object ID	1.3.6.1.4.1.674.10899.2.2
Description	Defines the major version of the Operating System.
Syntax	DisplayString
Access	Read-only

Operating System Minor Version

Name	`operatingSystemMinorVersion`
Object ID	1.3.6.1.4.1.674.10899.2.3
Description	Defines the minor version of the Operating System.
Syntax	DisplayString
Access	Read-only

Operating System Service Pack Major Version

Name	`operatingSystemSPMajorVersion`
Object ID	1.3.6.1.4.1.674.10899.2.5
Description	Defines the Operating System's Service Pack major version.
Syntax	DisplayString
Access	Read-only

Operating System Service Pack Minor Version

Name	`operatingSystemSPMinorVersion`
Object ID	1.3.6.1.4.1.674.10899.2.6
Description	Defines the Operating System's Service Pack minor version.
Syntax	DisplayString
Access	Read-only

Operating System Architecture

Name	`operatingSystemArchitecture`
Object ID	1.3.6.1.4.1.674.10899.2.7
Description	Defines the Operating System's architecture.
Syntax	DisplayString
Access	Read-only

Inventory Collector Product Information

The following objects describe the fields for the Inventory Collector. The Inventory Collector product variables are scalar objects, meaning that they are not related to other Inventory Collector base (MIB) objects and are thus not placed in a table.

Product ID Display Name

Name	`productIDDisplayName`
Object ID	1.3.6.1.4.1.674.10899.100.1
Description	Defines the display name of the product.
Syntax	DisplayString
Access	Read-only

Product ID Description

Name	`productIDDescription`
Object ID	1.3.6.1.4.1.674.10899.100.2
Description	Provides a description of the product.
Syntax	DisplayString
Access	Read-only

Product ID Vendor

Name	`productIDVendor`
Object ID	1.3.6.1.4.1.674.10899.100.3
Description	Provides name of the manufacturer of the product.
Syntax	DisplayString
Access	Read-only

Product ID Version

Name	`productIDVersion`
Object ID	1.3.6.1.4.1.674.10899.100.4
Description	Describes the version of the product.
Syntax	DisplayString
Access	Read-only

Product ID Build Number

Name	`productIDBuildNumber`
Object ID	1.3.6.1.4.1.674.10899.100.5
Description	Describes the software build number of the product.
Syntax	DisplayString
Access	Read-only

26

Dell Remote Access Controller Out-of-Band Group

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

Product Information

The following MIB tables define the Dell RAC Out-of-Band group:

DRsProductName

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

DRsProductShortName

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

DRsProductDescription

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

DRsProductManufacturer

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

DRsProductVersion

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

DRsChassisServiceTag

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

DRsProductURL

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

DRsProductChassisAssetTag

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

DRsProductChassisLocation

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

DRsProductChassisName

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

DRsSystemServiceTag

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

DRsProductSystemAssetTag

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

DRsProductSystemSlot

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

DRsProductType

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

DRsFirmwareVersion

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

Chassis Status

The following MIB tables provide information on Chassis being monitored by the chassis management card.

DRsGlobalSystemStatus

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

DRsGlobalCurrStatus

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

DRsIOMCurrStatus

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

DRsKVMCurrStatus

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

DRsRedCurrStatus

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

DRsPowerCurrStatus

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

DRsFanCurrStatus

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

DRsBladeCurrStatus

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

DRsTempCurrStatus

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

DRsCMCCurrStatus

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

DRsChassisFrontPanelAmbientTemperature

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

DRsCMAmbientTemperature

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

DRsCMProcessorTemperature

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

DRsGlobalPrevStatus

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

DRsIOMPrevStatus

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

DRsKVMPrevStatus

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

DRsRedPrevStatus

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

DRsPowerPrevStatus

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

DRsFanPrevStatus

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

DRsBladePrevStatus

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

DRsTempPrevStatus

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

DRsCMCPrevStatus

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

DRsGlobalChangeTime

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

DRsIOMChangeTime

Name	DRsIOMChangeTime
Object ID	1.3.6.1.4.1.674.10892.2.3.3.2
Description	Defines the timestamp of the most recent IOM status change.
Syntax	TimeTicks
Access	Read-only

DRsKVMChangeTime

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

DRsRedChangeTime

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

DRsPowerChangeTime

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

DRsFanChangeTime

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

DRsBladeChangeTime

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

DRsTempChangeTime

Name	DRsTempChangeTime
Object ID	1.3.6.1.4.1.674.10892.2.3.3.8
Description	Defines the timestamp of the most recent temperature sensor health status change.
Syntax	TimeTicks
Access	Read-only

DRsCMCChangeTime

Name	DRsCMCChangeTime
Object ID	1.3.6.1.4.1.674.10892.2.3.3.9
Description	Defines the timestamp of the most recent CMC health status change.
Syntax	TimeTicks
Access	Read-only

Chassis Power

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

DRsCMC Power Table

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

DRsCMC Power Table Entry

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

DRsCMC PSUTable

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

DRsCMC PSUTableEntry

Name	DrsCMCPSUTableEntry
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1
Description	Defines the CMC PSU table entry.
Syntax	DrsCMCPSUTableEntry
Access	Not-accessible

CMC Power Information

The following MIB tables provide information on the chassis power.

DRsChassisIndex

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

DRsPotentialPower

Name	DRsPotentialPower
Object ID	1.3.6.1.4.1.674.10892.2.4.1.1.2
Description	Defines the power (in Watts) required by the chassis infrastructure, plus the sum of the maximum power requirements for all systems currently turned on.
Syntax	DellPowerReading
Access	Read-only

DRsIdlePower

Name	DRsIdlePower
Object ID	1.3.6.1.4.1.674.10892.2.4.1.1.3
Description	Defines the power (in Watts) required by the chassisinfrastructure, plus the sum of the minimum power requirements for all systems currently turned on.
Syntax	DellPowerReading
Access	Read-only

DRsMaxPowerSpecification

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

DRsPowerSurplus

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

DRsKWhCumulative

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

DRsKWhCumulativeTime

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

DRsWattsPeakUsage

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

DRsWattsPeakTime

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

DRsWattsMinUsage

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

DRsWattsMinTime

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

DRsWattsResetTime

Name	DRsWattsResetTime
Object ID	1.3.6.1.4.1.674.10892.2.4.1.1.12
Description	Defines the timestamp of the most recent reset of the chassis minimum/maximum Watts readings.
Syntax	DellTimestamp
Access	Read-only

DRsWattsReading

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

DRsAmpsReading

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

CMC PSU Information

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

DRsPSUChassisIndex

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

DRsPSUIndex

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

DRsPSULocation

Name	DRsPSULocation
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.3
Description	Defines the location of the CMC PSU.
Syntax	DellString
Access	Read-only

DRsPSUMonitoringCapable

Name	DRsPSUMonitoringCapable
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.4
Description	Defines the PSU Monitoring capabilities, or the absence of a PSU in this location.
Syntax	DellCMCPSUCapable
Access	Read-only

DRsPSUVoltsReading

Name	DRsPSUVoltsReading
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.5
Description	Defines the instantaneousPSU Voltage reading.
Syntax	DellPowerReading
Access	Read-only

DRsPSUAmpsReading

Name	DRsPSUAmpsReading
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.6
Description	Defines the instantaneous PSU Current reading.
Syntax	DellPowerReading
Access	Read-only

DRsPSUWattsReading

Name	DrsPSUWattsReading
Object ID	1.3.6.1.4.1.674.10892.2.4.2.1.7
Description	Defines the instantaneous PSU Wattage reading.
Syntax	DellPowerReading
Access	Read-only

Chassis Alerts

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

DRsCASubSystem

Name	DrsCASubSystem
Object ID	1.3.6.1.4.1.674.10892.2.20.10.1
Description	Defines the Sub-System Name of the CMC Alert.
Syntax	DellString
Access	Read-only

DrsCASSCurrStatus

Name	DrsCASSCurrStatus
Object ID	1.3.6.1.4.1.674.10892.2.20.10.2
Description	Defines the Current Status of the Alerting Sub-System.
Syntax	DellStatus
Access	Read-only

DrsCASSPrevStatus

Name	DrsCASSPrevStatus
Object ID	1.3.6.1.4.1.674.10892.2.20.10.3
Description	Defines the Previous Status of the Alerting Sub-System.
Syntax	DellStatus
Access	Read-only

DrsCASSChangeTime

Name	DrsCASSChangeTime
Object ID	1.3.6.1.4.1.674.10892.2.20.10.4
Description	Defines the timestamp of Most Recent Change of the Alerting Sub-System.
Syntax	TimeTicks
Access	Read-only

DrsCAMessage

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

Legacy Alerting

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

DRsAlertSystem

Name	DRsAlertSystem
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.1
Description	Name of the system generating the alert.
Syntax	Octet String(SIZE (0..255))
Access	Read-only

DRsAlertTableIndexOID

Name	DRsAlertTableIndexOID
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.2
Description	Alert Index Object Identifier.
Syntax	OBJECT IDENTIFIER
Access	Read Only

DRsAlertMessage

Name	DRsAlertMessage
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.3
Description	Message describing the alert.
Syntax	Octet String (SIZE (0..1024))
Access	Read-only

DRsAlertCurrentStatus

Name	DRsAlertCurrentStatus
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.4
Description	Current status of object causing the alert.
Syntax	DellStatus
Access	Read-only

DRsAlertPreviousStatus

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

DRsAlertData

Name	DRsAlertData
Object ID	1.3.6.1.4.1.674.10892.2.5000.10.6
Description	Alert data
Syntax	Octet String (SIZE (0..1024))
Access	Read-only

27

Traps

The Server Administrator generates events that result in Simple Network Management Protocol (SNMP) traps or operating system event logs. Remote Access Controller (RAC) and Baseboard Management Controller (BMC) can also generate SNMP traps in response to hardware events. This section describes the traps, also known as alerts, generated by the Server Administrator, RAC, and BMC.

The Server Administrator generates events in response to changes in the status of sensors and other monitored parameters. When an event with predefined characteristics occurs on your system, the SNMP subagent sends information about the event, along with trap variables, to the management console.

Each status change event generates a unique identifier called the trap ID and a trap description that describes the event. The trap ID and message uniquely describe the severity and cause of the event, and provide other relevant information such as the location of the event and the monitored item's previous state.

"Instrumentation Traps" on page 716 lists all Server Administrator Instrumentation trap IDs in numerical order and includes each trap ID's corresponding description, severity level, and cause. Description text in brackets (for example, <*State*>) describes the event-specific information provided by Server Administrator.

"RAC Traps" on page 742 lists RAC trap IDs in numerical order and includes each trap ID's corresponding description, severity level, and cause.

"BMC Traps" on page 748 lists BMC trap IDs and includes each trap ID's corresponding description and severity level.

Trap Variables

This section describes the variables that are sent to the management console to provide additional information about a trap or alert generated by some event on your system. The trap variables presented here apply to all Instrumentation and RAC traps. Trap variables are sent in the order listed and are reserved for use only in traps. When a varbind is created for a trap variable, a zero is appended to the object ID (OID) to create the OID for the varbind.

System

Variable Name	`alertSystem`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.1
Description	Identifies the system generating the alert.
Syntax	DisplayString (SIZE (0..255))

Table Index OID

Variable Name	`alertTableIndexOID`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.2
Description	Gives the object identifier for the index attribute in the table that contains the object causing the alert. Uniquely identifies the object causing the alert and can be used to correlate different alerts caused by the same object.
Syntax	OBJECT IDENTIFIER

Message

Variable Name	`alertMessage`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.3
Description	Describes the alert.
Syntax	DisplayString (SIZE (0..1024))

Current Status

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

Previous Status

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

Data

Variable Name	`alertData`
Object ID	1.3.6.1.4.1.674.10892.1.5000.10.6
Description	Provides Server Administrator-defined data related to the alert.
Syntax	Octet String (SIZE (0..1024))

Understanding the Trap Description

Table 27-1 lists in alphabetical order each line item that may appear in the trap description.

Table 27-1. Trap Description Reference

Description Line Item	Explanation
`Action performed was: <Action>`	Specifies the automatic server recovery action that was performed, for example: `Action performed was: Power cycle`

Table 27-1. Trap Description Reference *(continued)*

Description Line Item	Explanation
`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`

Table 27-1. Trap Description Reference *(continued)*

Description Line Item	Explanation
`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: `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`

Table 27-1. Trap Description Reference *(continued)*

Description Line Item	Explanation
`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`

Table 27-1. Trap Description Reference *(continued)*

Description Line Item	Explanation
`Previous redundancy state was: <State>`	Specifies the status of the previous redundancy message, for example: `Previous redundancy state was: Lost`
`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.

Instrumentation Traps

This section describes the traps that are generated by the Instrumentation service of the Server Administrator. All of the traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.1 and are sent with all of the trap variables documented in the section, "Trap Variables" on page 710. The trap variables are sent in the order in which they are listed. The messages in the **Description** fields below show the format of the message that is sent in the **alertMessage** varbind. If a message in a **Description** field has multiple lines, the message contains newline (0Ah) characters that are part of the value in the **alertMessage** varbind.

Miscellaneous Traps

Table 27-2 lists Miscellaneous traps that inform you that certain alert systems are up and working.

Table 27-2. Miscellaneous Traps

Trap ID	Description	Severity	Cause
System Up			
1001	`Server Administrator startup complete`	Information	Server Administrator completed its initialization.
Thermal Shutdown			
1004	`Thermal shutdown protection has been initiated`	Error	This message is generated when a system is configured for thermal shutdown due to an error event. If a temperature sensor reading exceeds the error threshold for which the system is configured, the operating system shuts down and the system powers off. This event may also be initiated on certain systems when a fan enclosure is removed from the system for an extended period of time.
Automatic System Recovery			

1006	`Automatic System Recovery (ASR) action was performed`
	`Action performed was: <Action>`
	`Date and time of action: <Date and time>`
		Error	This message is generated when an automatic system recovery action is performed due to a hung operating system. The action performed and the date and time of the action are provided.

Host System Reset			
1007	`User initiated host system control action` `Action requested was: <Action>`	Information	User requested a host system control action to reboot, power off, or power cycle the system or another event such as thermal shutdown protection initiated a power off, operating system shutdown.

Table 27-2. Miscellaneous Traps *(continued)*

Trap ID	Description	Severity	Cause
System Peak Power New Peak			
1013	`System Peak Power detected new peak value` `Peak value (in Watts): <Reading>`	Information	This message is generated when the system peak power sensor has detected a new peak value.
System Software Event			

1014	`System software event has occured.`
	`Description: <Description of event>`
	`Date and time of action: <Date and time>`
		Minor	This message is generated when a system software event occurs. The description of the event and the date and time of the event are provided.

Temperature Probe Traps

Temperature probes help protect critical components by alerting the systems management console when temperatures become too high inside a chassis. The temperature probe traps use additional variables: sensor location, chassis location, previous state, and temperature sensor value reported in degrees Celsius.

Table 27-3. Temperature Probe Traps

Trap ID	Description	Severity	Cause
Temperature Probe Normal			
1052	Temperature sensor returned to a normal value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*> If sensor type is discrete: Discrete temperature state: <*State*>	Information	A temperature sensor on the backplane board, system board, or drive carrier in the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided.
Temperature Probe Warning			
1053	Temperature sensor detected a warning value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*> If sensor type is discrete: Discrete temperature state: <*State*>	Warning	A temperature sensor on the backplane board, system board, or drive carrier in the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided.

Table 27-3. Temperature Probe Traps *(continued)*

Trap ID	Description	Severity	Cause
Temperature Probe Failure			
1054	Temperature sensor detected a failure value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*> If sensor type is discrete: Discrete temperature state: <*State*>	Error	A temperature sensor on the backplane board, system board, or drive carrier in the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and temperature sensor value are provided.
Temperature Probe Nonrecoverable			
1055	Temperature sensor detected a non-recoverable value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Temperature sensor value (in degrees Celsius): <*Reading*> If sensor type is discrete: Discrete temperature state: <*State*>	Error	A temperature sensor on the backplane board, system board, or drive carrier in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and temperature sensor value are provided.

Cooling Device Traps

Cooling device traps monitor how well a fan is functioning.

Table 27-4. Cooling Device Traps

Trap ID	Description	Severity	Cause
Cooling Device Normal			
1102	Fan sensor returned to a normal value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Fan sensor value: <*Reading*>	Information	A fan sensor reading on the specified system returned to a valid range after crossing a warning threshold. The sensor location, chassis location, previous state, and fan sensor value are provided.
Cooling Device Warning			
1103	Fan sensor detected a warning value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Fan sensor value: <*Reading*>	Warning	A fan sensor reading in the specified system exceeded a warning threshold. The sensor location, chassis location, previous state, and fan sensor value are provided.

Table 27-4. Cooling Device Traps *(continued)*

Trap ID	Description	Severity	Cause
Cooling Device Failure			
1104	Fan sensor detected a failure value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Fan sensor value: <*Reading*>	Error	A fan sensor in the specified system detected the failure of one or more fans. The sensor location, chassis location, previous state, and fan sensor value are provided.
Cooling Device Nonrecoverable			
1105	Fan sensor detected a non-recoverable value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Fan sensor value: <*Reading*>	Error	A fan sensor detected an error from which it cannot recover. The sensor location, chassis location, previous state, and fan sensor value are provided.

Voltage Probe Traps

Voltage probes monitor the number of volts across critical components.

Table 27-5. Voltage Probe Traps

Trap ID	Description	Severity	Cause
Voltage Probe Normal			
1152	Voltage sensor returned to a normal value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*> If sensor type is discrete: Discrete voltage state: <*State*>	Information	A voltage sensor in the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided.
Voltage Probe Warning			
1153	Voltage sensor detected a warning value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*> If sensor type is discrete: Discrete voltage state: <*State*>	Warning	A voltage sensor in the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided.

Table 27-5. Voltage Probe Traps *(continued)*

Trap ID	Description	Severity	Cause
Voltage Probe Failure			
1154	Voltage sensor detected a failure value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*> If sensor type is discrete: Discrete voltage state: <*State*>	Error	A voltage sensor in the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and voltage sensor value are provided.
Voltage Probe Nonrecoverable			
1155	Voltage sensor detected a non-recoverable value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Voltage sensor value (in Volts): <*Reading*> If sensor type is discrete: Discrete voltage state: <*State*>	Error	A voltage sensor in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and voltage sensor value are provided.

Amperage Probe Traps

Amperage probes measure the amount of current (in amperes) that is traversing critical components.

Table 27-6. Amperage Probe Traps

Trap ID	Description	Severity	Cause
Amperage Probe Normal			
1202	Current sensor returned to a normal value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Current sensor value (in Amps): <*Reading*> If sensor type is discrete: Discrete current state: <*State*>	Information	A current sensor on the power supply for the specified system returned to a valid range after crossing a failure threshold. The sensor location, chassis location, previous state, and current sensor value are provided.
Amperage Probe Warning			
1203	Current sensor detected a warning value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Current sensor value (in Amps): <*Reading*> If sensor type is discrete: Discrete current state: <*State*>	Warning	A current sensor on the power supply for the specified system exceeded its warning threshold. The sensor location, chassis location, previous state, and current sensor value are provided.

Table 27-6. Amperage Probe Traps *(continued)*

Trap ID	Description	Severity	Cause
Amperage Probe Failure			
1204	Current sensor detected a failure value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Current sensor value (in Amps): <*Reading*> If sensor type is discrete: Discrete current state: <*State*>	Error	A current sensor on the power supply for the specified system exceeded its failure threshold. The sensor location, chassis location, previous state, and current sensor value are provided.
Amperage Probe Nonrecoverable			
1205	Current sensor detected a non-recoverable value Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> If sensor type is not discrete: Current sensor value (in Amps): <*Reading*> If sensor type is discrete: Discrete current state: <*State*>	Error	A current sensor in the specified system detected an error from which it cannot recover. The sensor location, chassis location, previous state, and current sensor value are provided.

Chassis Intrusion Traps

Chassis intrusion traps are a security measure. Chassis intrusion means that someone is opening the cover to a system's chassis. Alerts are sent to prevent unauthorized removal of parts from a chassis.

Table 27-7. Chassis Intrusion Traps

Trap ID	Description	Severity	Cause
Chassis Intrusion Normal			
1252	Chassis intrusion returned to normal Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Chassis intrusion state: <*Intrusion state*>	Information	A chassis intrusion sensor in the specified system detected that a cover was opened while the system was operating but has since been replaced. The sensor location, chassis location, previous state, and chassis intrusion state are provided.
Chassis Intrusion Detected			
1254	Chassis intrusion detected Sensor location: <*Location in chassis*> Chassis location: <*Name of chassis*> Previous state was: <*State*> Chassis intrusion state: <*Intrusion state*>	Error	A chassis intrusion sensor in the specified system detected that the system cover was opened while the system was operating. The sensor location, chassis location, previous state, and chassis intrusion state are provided.

Redundancy Unit Traps

Redundancy means that a system chassis has more than one of certain critical components. Fans and power supplies, for example, are so important for preventing damage or disruption of a computer system that a chassis may have extra fans or power supplies installed. Redundancy allows a second or *nth* fan to keep the chassis components at a safe temperature when the primary fan has failed. Redundancy is normal when the intended number of critical components are operating. Redundancy is degraded when a component fails but others are still operating. Redundancy is lost when the number of components functioning falls below the redundancy threshold.

The number of devices required for full redundancy is provided as part of the trap message when applicable for the redundancy unit and the platform. For more details on redundancy computation, please refer to the respective platform documentation.

Table 27-8. Redundancy Unit Traps

Trap ID	Description	Severity	Cause
Redundancy Normal			

1304	`Redundancy regained`
	`Redundancy unit: <Redundancy location in chassis>`
	`Chassis location: <Name of chassis>`
	`Previous redundancy state was: <State>`
	`Number of devices required for full redundancy: <Number>`
		Information	A redundancy sensor in the specified system detected that a lost redundancy device has been reconnected or replaced; full redundancy is in effect. The redundancy unit location, chassis location, and previous redundancy state are provided.

Table 27-8. Redundancy Unit Traps *(continued)*

Trap ID	Description	Severity	Cause
Redundancy Degraded			

1305	`Redundancy degraded`
	`Redundancy unit: <Redundancy location in chassis>`
	`Chassis location: <Name of chassis>`
	`Previous redundancy state was: <State>`
	`Number of devices required for full redundancy: <Number>`
		Warning	A redundancy sensor in the specified system detected that one of the components of the redundancy unit has failed but the unit is still redundant. The redundancy unit location, chassis location, and previous redundancy state are provided.

Redundancy Lost			

1306	`Redundancy lost`
	`Redundancy unit: <Redundancy location in chassis>`
	`Chassis location: <Name of chassis>`
	`Previous redundancy state was: <State>`
	`Number of devices required for full redundancy: <Number>`
		Warning or Error (depending on the number of units that are functional)	A redundancy sensor in the specified system detected that one of the components in the redundant unit has been disconnected, has failed, or is not present. The redundancy unit location, chassis location, and previous redundancy state are provided.

Power Supply Traps

Power supply traps provide status and warning information for power supplies present in a particular chassis.

Table 27-9. Power Supply Traps

Trap ID	Description	Severity	Cause
Power Supply Normal			
1352	Power supply returned to normal Sensor location: *<Location in chassis>* Chassis location: *<Name of chassis>* Previous state was: *<State>* Power Supply type: *<type of power supply>* *<Additional power supply status information>* If in configuration error state: Configuration error type: *<type of configuration error>*	Information	A power supply has been reconnected or replaced. The sensor location, chassis location, previous state, and additional information about the power supply event are provided.

Table 27-9. Power Supply Traps *(continued)*

Trap ID	Description	Severity	Cause
Power Supply Warning			
1353	Power supply detected a warning Sensor location: *<Location in chassis>* Chassis location: *<Name of chassis>* Previous state was: *<State>* Power Supply type: *<type of power supply>* *<Additional power supply status information>* If in configuration error state: Configuration error type: *<type of configuration error>*	Warning	A power supply sensor has detected a warning condition. The sensor location, chassis location, previous state, and additional power supply status information are provided.

Table 27-9. Power Supply Traps *(continued)*

Trap ID	Description	Severity	Cause
Power Supply Failure			

1354	`Power supply detected a failure`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
	`Previous state was: <State>`
	`Power Supply type: <type of power supply>`
	`<Additional power supply status information>`
	`If in configuration error state: Configuration error type: <type of configuration error>`
		Error	A power supply has been disconnected or has failed. The sensor location, chassis location, previous state, and additional information about the power supply event are provided.

Memory Device Traps

Memory device messages provide status and warning information for memory modules present in a particular system. Memory devices determine health status by counting the number of ECC memory corrections.

NOTE: A value of `failure` or `non-recoverable` does not indicate a system failure or loss of data, but rather that the specified system exceeded the specified ECC correction threshold. Although the system continues to function, you should perform system maintenance as described in Table 27-10.

Table 27-10. Memory Device Messages

Trap ID	Description	Severity	Cause
1403	Memory device status is <*status*> Memory device location: <*Location in chassis*> Possible memory module event cause: <*list of causes*>	Warning	A memory device correction rate exceeded an acceptable value. The memory device status and location are provided.
1404	Memory device status is <*Status*> Memory device location: <*Location in chassis*> *Possible memory module event cause: <list of causes>*	Error	A memory device correction rate exceeded an acceptable value, a memory spare bank was activated, or a Uncorrectable Memory Event occurred. The system continues to function normally (except for a Uncorrectable Memory Event). Clear the memory error on Uncorrectable Memory Event. Replace the memory module identified in the message during the system's next scheduled maintenance. The memory device status and location are provided.

Fan Enclosure Traps

Some systems are equipped with a protective enclosure for fans. Fan enclosure traps monitor enclosures for whether foreign objects are present and for how long a fan enclosure is absent from a chassis.

Table 27-11. Fan Enclosure Traps

Trap ID	Description	Severity	Cause
Fan Enclosure Insertion			

1452	`Fan enclosure inserted into system`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Information	A fan enclosure has been inserted into the specified system. The sensor location and chassis location are provided.

Fan Enclosure Removal			

1453	`Fan enclosure removed from system`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Warning	A fan enclosure has been removed from the specified system. The sensor location and chassis location are provided.

Fan Enclosure Extended Removal			

1454	`Fan enclosure removed from system for an extended amount of time`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Error	A fan enclosure has been removed from the specified system for a user-definable length of time. The sensor location and chassis location are provided.

AC Power Cord Traps

The AC power cord sensor monitors the presence of AC power for an AC power cord. AC power cord traps provide status and warning information for power cords that are part of an AC power switch, if your system supports AC switching.

Table 27-12. AC Power Cord Traps

Trap ID	Description	Severity	Cause
AC Power Cord No Power Nonredundant			

1501	`AC power cord is not being monitored`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Information	The AC power cord status is not being monitored. This occurs when a system's expected AC power configuration is set to **nonredundant**. The sensor location and chassis location information are provided.

AC Power Cord Normal			

1502	`AC power has been restored`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Information	An AC power cord that did not have AC power has had the power restored. The sensor location and chassis location information are provided.

AC Power Cord Failure			

1504	`AC power has been lost`
	`Sensor location: <Location in chassis>`
	`Chassis location: <Name of chassis>`
		Error	An AC power cord has lost its power. The sensor location and chassis location information are provided.

Hardware Log Traps

Hardware logs provide hardware status messages to systems management software. On certain systems, the hardware log is implemented as a circular queue. When the log becomes full, the oldest status messages are overwritten when new status messages are logged. On some systems, the log is not circular. When the log becomes full, subsequent hardware status messages are lost. Hardware log sensor messages provide status and warning information about the noncircular logs that may fill up, resulting in lost status messages.

Table 27-13. Hardware Log Traps

Trap ID	Description	Severity	Cause
Hardware Log Normal			
1552	`Log size is no longer near or at capacity` `Log type: <Log type>`	Information	The hardware log on the specified system is no longer near or at its capacity, usually as the result of clearing the log. The log type information is provided.
Hardware Log Warning			
1553	`Log size is near or at capacity` `Log type: <Log type>`	Warning	The size of a hardware log on the specified system is near or at the capacity of the hardware log. The log type information is provided.
Hardware Log Full			
1554	`Log size is full` `Log type: <Log type>`	Error	The size of a hardware log on the specified system is at the capacity of the hardware log. The log type information is provided.

Processor Device Status Traps

The BMC on some systems reports the status of processor devices. Processor device status traps provide status and warning information for processor devices present in a system with a BMC that reports the status of processor devices.

Table 27-14. Processor Device Status Traps

Trap ID	Description	Severity	Cause
Processor Device Status Normal			
1602	Processor sensor returned to a normal value Sensor Location: *<Location in chassis>* Chassis Location: *<Name of chassis>* Previous state was: *<State>* Processor sensor status: *<status>*	Information	A processor sensor in the specified system transitioned back to a normal state. The sensor location, chassis location, previous state and processor sensor status are provided.
Processor Device Status Warning			
1603	Processor sensor detected a warning value Sensor Location: *<Location in chassis>* Chassis Location: *<Name of chassis>* Previous state was: *<State>* Processor sensor status: *<status>*	Warning	A processor sensor in the specified system is in a throttled state. The sensor location, chassis location, previous state and processor sensor status are provided.

Table 27-14. Processor Device Status Traps *(continued)*

Trap ID	Description	Severity	Cause
Processor Device Status Failure			
1604	Processor sensor detected a failure value Sensor Location: *<Location in chassis>* Chassis Location: *<Name of chassis>* Previous state was: *<State>* Processor sensor status: *<status>*	Error	A processor sensor in the specified system is disabled, has a configuration error, or experienced a thermal trip. The sensor location, chassis location, previous state and processor sensor status are provided.

Pluggable Device Traps

Server Administrator monitors the addition and removal of pluggable devices such as memory cards. Device traps provide information about the addition and removal of such devices.

Table 27-15. Pluggable Device Traps

Trap ID	Description	Severity	Cause
Pluggable Device Addition			
1651	Device added to system Device Location: *<Location in chassis>* Chassis Location: *<Name of chassis>* Additional Details: *<Additional details for the events>*	Information	A device was added to the specified system. The device location, chassis location, and additional event details, if available, are provided.

Table 27-15. Pluggable Device Traps *(continued)*

Trap ID	Description	Severity	Cause
Pluggable Device Removal			

1652	Device removed from system
	`Device Location: <Location in chassis>`
	`Chassis Location: <Name of chassis>`
	`Additional Details: <Additional details for the events>`
		Information	A device was removed from the specified system. The device location, chassis location, and additional event details, if available, are provided.

Pluggable Device Configuration Error			

1653	Device configuration error detected
	`Device Location: <Location in chassis>`
	`Chassis Location: <Name of chassis>`
	Additional Details: <*Additional details for the events*>
		Error	A configuration error was detected for a pluggable device in the specified system. The device may have been added to the system incorrectly. The device location, chassis location, and additional event details, if available, are provided.

Battery Traps

The BMC on some systems reports the status of batteries. Battery traps provide status and warning information for batteries present in a system with a BMC that reports the status of batteries.

Table 27-16. Battery Traps

Trap ID	Description	Severity	Cause
Battery Normal			
1702	Battery sensor returned to a normal value Sensor Location: <Location in chassis> Chassis Location: <Name of chassis> Previous state was: <State> Battery sensor status: <status>	Information	A battery sensor in the specified system detected that a battery transitioned back to a normal state. The sensor location, chassis location, previous state, and battery sensor status are provided.
Battery Warning			
1703	Battery sensor detected a warning value Sensor Location: <Location in chassis> Chassis Location: <Name of chassis> Previous state was: <State> Battery sensor status: <status>	Warning	A battery sensor in the specified system detected that a battery is in a predictive failure state. The sensor location, chassis location, previous state, and battery sensor status are provided.

Table 27-16. Battery Traps *(continued)*

Trap ID	Description	Severity	Cause
Battery Failure			

1704	`Battery sensor detected a failure value`
	`Sensor Location: <Location in chassis>`
	`Chassis Location: <Name of chassis>`
	`Previous state was: <State>`
	`Battery sensor status: <status>`
		Critical	A battery sensor in the specified system detected that a battery has failed. The sensor location, chassis location, previous state, and battery sensor status are provided.

SD Card Device Traps

On systems where the BMC reports the status of SD card devices, the SD card device traps provide status and error information.

Table 27-17. SD Card Device Traps

Trap ID	Description	Severity	Cause
SD Card Device Failure			

1754	`SD card device detected a failure`
	`Sensor Location: <Location in chassis>`
	`Chassis Location: <Name of chassis>`
	`Previous state was: <State>`
	`SD card device type: <Type of SD card device>`
	`SD card state: <State of SD card>`
		Critical	An SD card device sensor in the specified system detected an error. The sensor location, chassis location, previous state and SD card device type are provided. The SD card state is provided if a SD card is present in the SD card device.

RAC Traps

This section describes the traps that are generated by the SNMP agent of the Remote Access Controller (RAC). All of the enterprise-specific traps documented in this section belong to the MIB enterprise identified by OID 1.3.6.1.4.1.674.10892.2 and are sent with all of the trap variables documented in the section "Traps" on page 709. The trap variables are sent in the order in which they are listed.

Table 27-18. Generic Traps

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
0	CodeStart	SNMP agent is initializing itself	Information	Status	RAC power on or reset.	All
1	Authentication Failure	Request received with an invalid community name	Critical	Error	SNMP request with an invalid community name.	All

Table 27-19. Enterprise-specific Traps

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1001	alertDrscTestTrapEvent	The RAC generated a test trap event in response to a user request	Information	Status	A test SNMP trap generated by a RAC.	All

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1002	alertDrscAuthError	RAC Authentication failures during a time period have exceeded a threshold	Minor	Error	RAC login failure caused by authentication failure, number of concurrent logins exceed limit, or permission denied.	All
1003	alertDrscLostESM	The RAC cannot communicate with the baseboard management controller (ESM)	Critical	Error	RAC lost communication with ESM.	Dell Remote Access Controller (DRAC) III
1004	alertDrscFoundESM	The RAC is communicating normally with the baseboard management controller (ESM)	Information	Error	RAC recovered communication with ESM.	DRAC III

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1005	alertDrscPowerOff	The RAC has detected a system power state change to powered-off	Critical	Error	RAC detected a system power state change to power-off.	DRAC III
1006	alertDrscPowerOn	The RAC has detected a system power state change to powered-on	Information	Error	RAC detected a system power state change to power-on.	DRAC III
1007	alertDrsc Watchdog Expired	The RAC has detected that the system watchdog has expired indicating a system hang	Critical	Event	RAC has detected the system watchdog expired (normally indicating a system hang).	DRAC III

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1008	alertDrscBattLow	The RAC Battery charge is below 25% indicating that the battery may only be able to power the DRSC for 8-10 minutes	Minor	Error	RAC detected its battery charge is below 25% full.	DRAC III
1009	alertDrscTempNormal	The RAC Temperature probe has returned to a normal value	Information	Status	RAC temperature probe reading returned to normal.	DRAC III
1010	alertDrscTempWarning	The RAC Temperature probe has detected a Warning value	Minor	Status	RAC temperature probe reading exceeded warning threshold.	DRAC III
1011	alertDrscTempCritical	The RAC Temperature probe has detected a failure (or critical) value	Critical	Error	RAC temperature probe reading exceeded critical threshold.	DRAC III

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1012	alertDrscVolt Normal	The RAC voltage has returned to a normal value	Information	Error	RAC voltage probe reading returns to normal.	DRAC III
1013	alertDrscVolt Warning	The RAC voltage probe has detected a warning value	Minor	Error	RAC voltage probe reading exceeded warning threshold.	DRAC III
1014	alertDrscVolt Critical	The RAC voltage probe has detected a failure (or critical) value	Critical	Error	RAC voltage probe reading exceeded critical threshold.	DRAC III
1015	alertDrscSEL Warning	The RAC has detected a new event in the System Event Log with Severity: Warning	Major	Error	RAC detected a new system event log with warning severity (detailed log info is in drsAlert Message varbind).	All

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1016	alertDrscSEL Critical	The RAC has detected a new event in the System Event Log with Severity: Critical	Critical	Error	RAC detected a new system event log with critical severity (detailed log info is in drsAlert Message varbind).	All
1017	alertDrscSEL 80 percentFull	The RAC system event log is 80% full	Major	Status	RAC detected system event log is 80% full.	All
1018	alertDrscSEL 90 percentFull	The RAC system event log is 90% full	Major	Status	RAC detected system event log is 90% full.	All
1019	alertDrscSEL 100 percentFull	The RAC system event log is 100% full	Major	Status	RAC detected system event log is 100% full.	All

Table 27-19. Enterprise-specific Traps *(continued)*

Trap ID	Name	Description	Severity	Category	Cause	Supported by RAC Platform
1020	alertDrscSEL Normal	The RAC has detected a new event in the System Event Log with Severity: Normal	Information	Error	RAC detected a new system event log with normal severity (detailed log info is in drsAlert Message varbind).	All

BMC Traps

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

Table 27-20. BMC Traps

Trap ID	Description	Severity
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Informational
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Informational
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Informational
65792	Under-Temperature Warning (Lower non-critical, going low)	Warning

Table 27-20. BMC Traps *(continued)*

Trap ID	Description	Severity
65920	Under-Temperature Warning Cleared	Informational
65794	Under-Temperature Problem (Lower Critical - going low)	Critical
65922	Under-Temperature Problem Cleared	Informational
65799	Over-Temperature warning (Upper non-critical, going high)	Minor
65927	Over-Temperature warning Cleared	Informational
65801	Over-Temperature Problem (Upper Critical - going high)	Critical
65929	Over-Temperature Problem Cleared	Informational
131328	Under-Voltage Warning (Lower Non Critical - going low)	Warning
131456	Under-Voltage Warning Cleared	Informational
131330	Under-Voltage Problem (Lower Critical - going low)	Critical
131458	Under-Voltage Problem Cleared	Informational
131335	Over-Voltage Warning (Upper Non Critical - going high)	Warning
131463	Over-Voltage Warning Cleared	Informational
131337	Over-Voltage Problem (Upper Critical - going high)	Critical
131465	Over-Voltage Problem Cleared	Informational
131841	Generic Critical Voltage Problem	Critical
131840	Generic Critical Voltage Problem Cleared	Informational
356096	Chassis Intrusion - Physical Security Violation	Critical
356224	Chassis Intrusion (Physical Security Violation) Event Cleared	Informational

Table 27-20. BMC Traps *(continued)*

Trap ID	Description	Severity
262400	Generic Predictive Fan Failure (predictive failure asserted)	Minor
262528	Generic Predictive Fan Failure Cleared	Informational
262402	Generic Critical Fan Failure	Critical
262530	Generic Critical Fan Failure Cleared	Informational
264962	Fan redundancy has been degraded	Warning
264961	Fan Redundancy Lost	Critical
264960	Fan redundancy Has Returned to Normal	Informational
2715392	Battery Low (Predictive Failure)	Warning
2715520	Battery Low (Predictive Failure) Cleared	Informational
2715393	Battery Failure	Critical
2715521	Battery Failure Cleared	Informational
487169	CPU Thermal Trip (Over Temperature Shutdown)	Critical
487297	CPU Thermal Trip (Over Temperature Shutdown) Cleared	Informational
487168	CPU Internal Error	Critical
487296	CPU Internal Error Cleared	Informational
487173	CPU Configuration Error	Critical
487301	CPU Configuration Error Cleared	Informational
487175	CPU Presence (Processor Presence detected)	Informational
487303	CPU Not Present (Processor Not Present)	Critical
487170	CPU BIST (Built In Self Test) Failure	Critical
487298	CPU BIST (Built In Self Test) Failure Cleared	Informational
487176	CPU Disabled (Processor Disabled)	Critical
487304	CPU Enabled (Processor Enabled)	Informational

Table 27-20. BMC Traps *(continued)*

Trap ID	Description	Severity
487178	CPU Throttle (Processor Speed Reduced)	Warning
487306	CPU Throttle Cleared (Normal Processor Speed)	Informational
527106	Power Supply Redundancy Degraded	Warning
527105	Power Supply Redundancy Lost	Critical
527104	Power Supply Redundancy Has Returned to Normal	Informational
552704	Power Supply Inserted	Informational
552832	Power Supply Removed	Warning
552705	Power Supply Failure	Critical
552833	Power Supply Failure Cleared	Informational
552706	Power Supply Warning	Warning
552834	Power Supply Warning Cleared	Informational
552707	Power Supply AC Lost	Critical
552835	Power Supply AC Restored	Informational
789249	Memory Redundancy Has Been Lost	Critical
789248	Memory redundancy Has Returned to Normal	Informational
1076994	System Event Log (SEL) Cleared	Informational

Table 27-20. BMC Traps *(continued)*

Trap ID	Description	Severity
1076996	System Event Log (SEL) Full (Logging Disabled)	Critical
2322176	ASR (Automatic System Recovery) Timer Expired	Critical
2322177	ASR (Automatic System Recovery) Reset Occurred	Critical
2322178	ASR (Automatic System Recovery) Power Down Occurred	Critical
2322179	ASR (Automatic System Recovery) Power Cycle Occurred	Critical

28

Storage Management Alert Reference

Storage Management's alert or event management features let you monitor the health of storage resources such as controllers, connectors, array disks, and virtual disks.

Alert Monitoring and Logging

The Storage Management Service performs alert monitoring and logging. By default, the Storage Management Service starts when the managed system starts up. If you stop the Disk Management Service, then alert monitoring and logging stops. Alert monitoring does the following:

- Updates the status of the storage object that generated the alert.
- Propagates the storage object's status to all the related higher objects in the storage hierarchy. For example, the status of a lower-level object 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.

The alert severity levels are as follows:

Table 28-1. Storage Management Alert Severity

Alert Severity	Component Status
OK/Normal/Informational	No action is required. The alert is provided for informational purposes and does not indicate an error condition. For example, the alert may indicate the normal start or stop of an operation.
Warning/Non-critical	A component requires attention. This alert indicates a potential problem, but does not necessarily mean that the system has currently lost data or is nonfunctional. For example, a Warning/Non-critical alert may indicate that a component (such as a temperature probe in an enclosure) has crossed a warning threshold.
Critical/Failure/Error	A component has either failed or failure is imminent. This alert indicates a serious problem such as data loss or a loss of function. For example, a Critical/Failure/Error alert may indicate that an array disk has failed.

SNMP Support for Storage Management Alerts

By default, Storage Management installs SNMP trap forwarding support. For this support to function, you should have SNMP installed on the managed system prior to installing Storage Management.

NOTE: For more information on installation requirements and SNMP, see the Server Administrator documentation.

SNMP Trap Forwarding

The Storage Management alerts are displayed in the Server Administrator alert log and are forwarded to the Windows application alert log. If you have SNMP installed on the managed system (and the SNMP service is running), the Storage Management alerts in the Windows application alert log 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 your Windows operating system documentation for information on configuring the operating system to forward SNMP traps. This information may be located under such topics as “setting up SNMP” or “SNMP traps.” When configuring SNMP for Windows, be sure that the SNMP traps are forwarded to the correct server. For information on configuring an application to receive SNMP traps, see the documentation for that application.

SNMP Trap Definitions

The Storage Management management information base (MIB) defines the SNMP traps that Storage Management generates. These traps correspond to the alerts documented in the "Alert Descriptions and Corrective Actions" on page 759 section. The MIB is located in **..\sm\mibs\dcstorag.mib**, a subdirectory of the Storage Management installation directory.

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

SNMP Trap Variables

The Storage Management SNMP traps use a set of variables that are included with every trap. These variables are the following:

- messageIDEvent
- descriptionEvent
- locationEvent
- objectNameEvent
- objectOIDEvent
- objectNexusEvent
- currentStatusEvent
- previousStatusEvent

Viewing SNMP Traps

SNMP traps that are generated by Storage Management can be viewed in any standard SNMP-compatible enterprise management console. These traps are defined in the Storage Management MIB. These traps correspond to the alerts documented in the "Alert Descriptions and Corrective Actions" section. For more information on the MIB and its structure, as well as a change history of the SNMP traps, see the "Introduction" on page 15 section. For more information on configuring SNMP, see "SNMP Support for Storage Management Alerts" on page 757.

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

29

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.

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 29-1. Common Data Types

Variable Name:	Definition
DellString	DisplayString (SIZE (0..64))
DellSecurityString	DisplayString (SIZE (0..255))
DellCostofOwnershipString	DisplayString (SIZE (0..64))
DellObjectRange	INTEGER (1..128)
DellUnsigned8BitRange	INTEGER (1..256)
DellUnsigned16BitRange	INTEGER (1..65535)
DellUnsigned32BitRange	INTEGER (1..2147483647)
DellSigned32BitRange	INTEGER (-2147483647..2147483647)
DellBoolean	INTEGER (0..1 (FALSE = 0, TRUE = 1))

Variables with Data Types of State Capabilities and State Capabilities Unique

Variables with definitions of <*variable name*>StateCapabilities or <*variable name*>StateCapabilitiesUnique are integers representing a series of bit definitions. They are NOT enumerations and should be treated as bit fields. The value is passed as a decimal value.
The decimal value should be converted to hex and the appropriate bits should be parsed from hex. Some of the more common bit combinations are defined in some variables, but not all combinations are or will be defined.

Table 29-2. Dell State Capabilities

Variable Name: DellStateCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
if set to zero(0)	The object has no capabilities.
unknownCapabilities(1)	The object's capabilities are unknown.
enableCapable(2)	The object can be disabled (offline, a binary 0 value) or enabled (online, a binary 1 value).
notReadyCapable(4)	The object is not ready.
enableAndNotReadyCapable (6)	Enable and not ready capable.

Table 29-3. 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 29-4. Dell Probe Capabilities

Variable Name: DellProbeCapabilities **Data Type:** Integer	
Possible Data Values	**Meaning of Data Value**
if set to zero(0)	The object has no capabilities.
upperNonCriticalThresholdSetCapable(1)	The upper noncritical threshold can be set.
lowerNonCriticalThresholdSetCapable(2)	The lower noncritical threshold can be set.
upperNonCriticalThresholdDefaultCapable(4)	The upper noncritical threshold can be set to default.
lowerNonCriticalThresholdDefaultCapable(8)	The lower noncritical threshold can be set to default.

Dell Status Data Types

Status data types include DellStatus, DellStatusRedundancy, and DellStatusProbe.

Table 29-5. Dell Status

Variable Name: `DellStatus`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`other(1)`	The object's status is not one of the following:
`unknown(2)`	The object's status is unknown.
`ok(3)`	The object's status is OK.
`nonCritical(4)`	The object's status is warning, noncritical.
`critical(5)`	The object's status is critical (failure).
`nonRecoverable(6)`	The object's status is nonrecoverable (dead).

Table 29-6. 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 29-7. 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.

30

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\02'

1.3.6.1.4.1.674.10892.1.200.10.1.12.1  =  3

1.3.6.1.4.1.674.10892.1.200.10.1.13.1  =
'\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\03\
03\03\03'

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'
```

Index

Numerics

1403, 734

1404, 734

1602, 738

1603, 738

1604, 739

1651, 739

1652, 740

1653, 740

A

Application, 676

Application Group, 676

B

BIOS Group
- BIOS Setup Control Table, 393
- Diskette Control Table, 414
- IDE Control Table, 412
- Network Interface Control Table, 416
- Parallel Port Control Table, 406
- SCSI Control Table, 404
- Serial Port Control Table, 408
- USB Control Table, 410

BIOS Group tables, 393

BIOS Setup Control Group, 393
- variable values, 419

C

Change, 673

Change Management Group, 673

Chassis Information Group tables, 77
- Chassis Information Table, 77
- Event Log Table, 94
- Firmware Table, 104
- Intrusion Table, 107, 109
- POST Log Table, 92
- System BIOS Table, 97
- UUID Table, 90
- Variable Values, 114

Cluster Group, 527
- Cluster Table, 527
- variable values, 530

Cost of Ownership Group
- COO Cost Event Log Table, 450
- COO Lease Information Table, 454
- COO Maintenance Table, 460
- COO Options Table, 458
- COO Repair Table, 462

COO Schedule Number Table, 457
COO Service Contract Table, 448
COO Support Information Table, 464
COO Trouble Ticket Table, 466
COO Warranty Table, 452
Cost of Ownership Table, 437
Cost of Ownership tables, 437

D

data types
common, 761
state capabilities, 762
state settings, 763
status, 764
status probe, 765
status redundancy, 764
Dell RAC Out-of-Band Group, 683
Chassis Alerts, 704
Chassis Power, 697
Chassis Status, 687
CMC Power Information, 698
CMC PSU Information, 702
Legacy Alerting, 706
Product Information, 683
Device added to system, 739
Device configuration error detected, 740
Device Group, 674
Cache Device Table, 283
Generic Device Table, 300
Keyboard Device Table, 270
Memory Device Mapped Address Table, 297
Memory Device Table, 289
PCI Device Configuration Space Table, 306
PCI Device Table, 303
Pointing Device Table, 268
Processor Device Table, 273
variable values, 326
Device removed from system, 740

E

Event Log
viewing entries, 756

G

Global Data Group, 556

I

Introduction
Server Administrator Change Management MIB, 22
Server Administrator Instrumentation MIB, 17
Server Administrator Remote Access MIB, 20
Server Administrator Storage Management MIB, 21
Inventory, 673

Inventory Group, 673

L

Local Response Agent Group
LRA Action Table, 432
LRA Global Settings, 429
LRA Global Settings Table, 430
variable values, 434

Local Response Agent Group tables, 429

Logical Devices Group, 656

M

Memory device correction rate crossed a warning threshold, 734

Memory device ECC Correctable error count crossed a warning threshold, 734

Memory Group
Physical Memory Tables, 369
variable values, 377, 383

Memory Group Variable Values, 387

MIB
minor version number, 48

MIB Major Version Number, 47

O

Operating System Group, 679
Memory Table, 131
Operating System Table, 129

Operating System Memory Table, 131

P

Physical Devices Group, 562

Physical Memory Card Table, 384

Pluggable Device Traps, 739

Port Group
Keyboard Port Table, 236
Memory Device Port Table, 242
Monitor Port Table, 245
Parallel Port Table, 250
Pointing Port Table, 233
Processor Port Table, 239
Serial Port Table, 254
Small Computer System Interface Port Table, 248
variable values, 261

Power Group
AC Power Cord Table, 177
AC Power Switch Table, 175
Amperage Probe Table, 169
Battery Table, 180
Power Supply Table, 160
Power Unit Table, 157
Power Usage Table, 182
variable values, 191

Voltage Probe Table, 164
Power Group tables, 157
Processor Device Status Traps, 737
Processor sensor detected a failure value, 739
Processor sensor detected a warning value, 738
Processor sensor returned to a normal state, 738

R

Redundant Memory Unit Table, 381
Remote Access Group
Remote Access Table, 478
Remote SNMP Trap Table, 495
Remote User Administration Table, 487
Remote User Dial-In Configuration Table, 504
Remote User Dial-Out Table, 507
Remote Flash BIOS Group
variable values, 230

S

sample SNMP output, 767
Slot Group
System Slot Table, 355
variable values, 359
SNMP
introduction to, 32
SNMP MIB OIDs, 34
SNMP security, 35
SNMP traps, 36
SNMP basic terminology
fields, 26-27
managed object, 25
MIB, 25
SNMP, 24
variable, 25
SNMP support, configuring, 757
SNMP tables, 28
example, 28
reference guide content, 30, 35
SNMP traps, 759
Storage Management Event Group, 669
Storage Management Information Group, 555
System Resource Group
Direct Memory Access Table, 149
Input/Output Port Table, 140
Interrupt Table, 146
Map Table, 135
Memory Table, 143
Owner Table, 137
variable values, 152
System State Table, 55, 57, 355
systems management software, 49
build number systems, 50
description name, 50

name, 50-52
preferred protocol, 51
supported protocol, 51
version number name, 50

T

Thermal Group
Cooling Device Table, 207
Cooling Unit Table, 205
Temperature Probe Table, 213
variable values, 219

trap variables, 710
current status, 711
data, 711
message, 710
previous status, 711
system, 710
table index OID, 710

traps, 716
AC power cord traps, 735
amperage probe traps, 725
chassis intrusion traps, 728
cooling device traps, 721
fan enclosure traps, 734
hardware log traps, 736
memory device traps, 733
miscellaneous traps, 717
power supply traps, 731
redundancy unit traps, 729
temperature probe traps, 719
understanding the trap descriptions, 711
understanding trap severity, 716
voltage probe traps, 723

U

User Security Table, 223, 227

V

variable names
capability, 27
settings, 27
state, 27
status, 27

Viewing
SNMP traps, 759