Dell OpenManage
Server Administrator
Version 6.3

SNMP Reference Guide

Notes

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

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Contents

1 Introduction 5

Audience **5**

Supported SNMP Versions **5**

MIB Information In This Guide **6**

Server Administration Instrumentation MIB 6

Server Administrator Storage Management MIB 7

How This Guide Defines Technical Terms **8**

Other Documents You May Need **9**

2 Device Group 11

Device Tables **11**

Processor Device Table 11

Memory Device Table 12

SD Card Device Table 12

Device Group Variable Values **13**

3 Storage Management Group 25

Physical Devices Group **25**

Controller Table 26

Enclosure Table 27

Array Disk Table 28

1

Introduction

This reference guide provides information about the Simple Network Management Protocol (SNMP) Management Information Base (MIB) specific to OpenManage 6.3 version. This guide contains information about the updates done to the Server Administrator Instrumentation MIB (filename **10892.mib**) and the Server Administrator Storage Management MIB (filename **dcstorag.mib**), that is released with the current version of the Dell OpenManage Server Administrator. For SNMP information related to earlier OpenManage versions, see the *Dell OpenManage Server Administrator Version 1.0 - 6.2 SNMP Reference Guide*.

Audience

This guide is intended for system administrators, network administrators, and anyone who wants to write SNMP MIB applications to monitor systems using the OpenManage 6.3 version.

Supported SNMP Versions

Operating System	Supported SNMP versions
Windows	SNMP v1 and V2c
Linux	SNMP v1, v2c, and v3

MIB Information In This Guide

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

For each variable 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.

This section provides general information about the following MIBs documented in this guide:

- Server Administration Instrumentation MIB
- Server Administrator Storage Management MIB

Server Administration 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 1-1 describes Server Administrator Instrumentation MIB groups updated for OpenManage 6.3 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 1-1. Server Administrator Instrumentation MIB Groups in This Guide

Section	Topic	MIB Group Number
2	Device Group — defines variables for pointing, keyboard, processor, cache, memory, and personal computer interface devices.	1100

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 1-2 describes Server Administrator Storage Management MIB groups updated for OpenManage 6.3 and lists the MIB group number assigned to the MIB group. The Server Administrator Storage Management MIB groups are identified by the SNMP OID 1.3.6.1.4.1.674.10893.1. <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 Storage Management MIB Sections in This Guide

Section	Topic	MIB Group Number
3	Storage Management Group — consists of definitions for the following MIB group: Physical Devices Group	10893

How This Guide Defines Technical Terms

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

Table 1-3. Where to Find Definitions for Technical Terms

Type of Definition	See
Basic SNMP Terminology	*Server Administrator Version 1.0 - 6.2 SNMP Reference Guide* available on the Dell Support website at **support.dell.com/manuals**.
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.	Section 2 and Section 3
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**.

Other Documents You May Need

In addition to this guide, you can access the following guides available on the Dell Support website at s**upport.dell.com/manuals**. On the **Manuals** page, click **Software→ Systems Management**. Click on the appropriate product link on the right-side to access the documents.

- The *Server Administrator Version 1.0 - 6.2 SNMP Reference Guide* provides SNMP information related to previous OpenManage Versions 1.0 - 6.2.
- 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 provider documents supported classes of management objects.
- The *Glossary* provides information on the terms used in this document.

2

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 MIB tables in the Device Group are updated for the current release:

- Processor Device Table
- Memory Device Table
- SD Card Device Table

For information about the other Device Group MIB tables, see *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

Processor Device Table

This section provides information about the updates done to the Processor Device Table in the current release. For all other information about the Processor Device Table, see the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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 2-1)
Access	Read-only

Memory Device Table

This section provides information about the updates done to the Memory Device Table in the current release. For all other information about the Memory Device Table, see the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

Memory Device Type

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 2-2)
Access	Read-only

SD Card Device Table

This section provides information about the updates done to the SD Card Device Table in the current release. For all other information about the SD Card Device Table, see the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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 (See Table 2-3)
Access	Read-only

Device Group Variable Values

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

Table 2-1. Processor Device Family

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsOther(1)`	The processor family is not one of the following values.
`deviceFamilyIsUnknown(2)`	The processor family is unknown.
`deviceFamilyIs8086(3)`	The processor family is 8086.
`deviceFamilyIs80286(4)`	The processor family is 80286.
`deviceFamilyIs80386(5)`	The processor family is 80386.
`deviceFamilyIs80486(6)`	The processor family is 80486.
`deviceFamilyIS8087(7)`	The processor family is 8087.
`deviceFamilyIs80287(8)`	The processor family is 80287.
`deviceFamilyIs80387(9)`	The processor family is 80387.
`deviceFamilyIs80487(10)`	The processor family is 80487.
`deviceFamilyIsPentium(11)`	The processor family is Intel Pentium.
`deviceFamilyIsPentiumPro(12)`	The processor family is Pentium Pro.
`deviceFamilyIsPentium2(13)`	The processor family is Pentium II.
`deviceFamilyIsPentiumMMX(14)`	The processor family is Pentium MMX.
`deviceFamilyIsCeleron(15)`	The processor family is Celeron.
`deviceFamilyIsXeon(16)`	The processor family is Xeon.
`deviceFamilyIsPentium3(17)`	The processor family is Pentium III.
`deviceFamilyIsPentium3Xeon(18)`	The processor family is Pentium III Xeon.
`deviceFamilyIsPentium3Step(19)`	The processor family is Pentium III Speed Step.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsPentiumItanium (20)`	The processor family is Itanium.
`deviceFamilyIsIntelXeon(21)`	The processor family is Intel Xeon.
`deviceFamilyIsPentium4(22)`	The processor family is Pentium 4.
`deviceFamilyIsIntelXeonMP(23)`	The processor family is Intel Xeon MP.
`deviceFamilyIsIntelItanium2(24)`	The processor family is Intel Itanium 2.
`deviceFamilyIsK5(25)`	The processor family is K5.
`deviceFamilyIsK6(26)`	The processor family is K6.
`deviceFamilyIsK6-2(27)`	The processor family is K6-2.
`deviceFamilyIsK6-3(28)`	The processor family is K6-3.
`deviceFamilyIsAMDAthlon(29)`	The processor family is AMD Athlon.
`deviceFamilyIsAMD2900(30)`	The processor family is AMD2900.
`deviceFamilyIsK6-2Plus(31)`	The processor family is K6-2+.
`deviceFamilyIsPowerPC(32)`	The processor family is Power PC.
`deviceFamilyIsPowerPC601(33)`	The processor family is Power PC 601.
`deviceFamilyIsPowerPC603(34)`	The processor family is Power PC 603.
`deviceFamilyIsPowerPC603Plus (35)`	The processor family is Power PC 603+.
`deviceFamilyIsPowerPC604(36)`	The processor family is Power PC 604.
`deviceFamilyIsPowerPC620(37)`	The processor family is Power PC 620.
`deviceFamilyIsPowerPCx704(38)`	The processor family is Power PC x704.
`deviceFamilyIsPowerPC750(39)`	The processor family is Power PC 750.
`deviceFamilyIsIntelCoreDuo(40)`	The processor family is Intel Core Duo.
`deviceFamilyIsIntelCoreDuoMobi le(41)`	The processor family is Intel Core Duo mobile.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsIntelCoreSoloMobile(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.
`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.
`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.

Table 2-1. Processor Device Family *(continued)*

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

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsIntelCeleronM(130)`	The processor family is Intel Celeron M.
`deviceFamilyIsAMDAthlon64(131)`	The processor family is AMD Athlon 64.
`deviceFamilyIsAMDOpteron(132)`	The processor family is AMD Opteron.
`deviceFamilyIsAMDSempron(133)`	The processor family is AMD Sempron.
`deviceFamilyIsAMDTurion64Mobile(134)`	The processor family is AMD Turion 64 Mobile Technology.
`deviceFamilyIsDualCoreAMDOpteron(135)`	The processor family is Dual-Core AMD Opteron.
`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.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`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.
`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.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsDualCoreIntelXeon7200(172)`	The processor family is Dual-Core Intel Xeon processor 7200 Series.
`deviceFamilyIsQuadCoreIntelXeon7300(173)`	The processor family is Quad-Core Intel Xeon processor 7300 Series.
`deviceFamilyIsQuadCoreIntelXeon7400(174)`	The processor family is Quad-Core Intel Xeon processor 7400 Series.
`deviceFamilyIsMultiCoreIntelXeon7400(175)`	The processor family is Multi-Core Intel Xeon processor 7400 Series.
`deviceFamilyIsM1(176)`	The processor family is M1.
`deviceFamilyIsM2(177)`	The processor family is M2.
`deviceFamilyIsIntelPentium4HT(179)`	The processor family is Intel Pentium 4 HT processor.
`deviceFamilyIsAS400(180)`	The processor family is AS400.
`deviceFamilyIsAMDAthlonXP(182)`	The processor family is AMD Athlon XP.
`deviceFamilyIsAMDAthlonMP(183)`	The processor family is AMD Athlon MP.
`deviceFamilyIsAMDDuron(184)`	The processor family is AMD Duron.
`deviceFamilyIsIntelPentiumM(185)`	The processor family is Intel Pentium M.
`deviceFamilyIsIntelCeleronD(186)`	The processor family is Intel Celeron D.
`deviceFamilyIsIntelPentiumD(187)`	The processor family is Intel Pentium D.
`deviceFamilyIsIntelPentiumExtreme(188)`	The processor family is Intel Pentium Processor Extreme Edition.
`deviceFamilyIsIntelCoreSolo(189)`	The processor family is Intel Core Solo processor.
`deviceFamilyIsIntelCore2(190)`	The processor family is Intel Core 2 processor.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`deviceFamilyIsIntelCore2Duo (191)`	The processor family is Intel Core 2 Duo processor.
`deviceFamilyIsIntelCore2Solo (192)`	The processor family is Intel Core2 Solo processor.
`deviceFamilyIsIntelCore2Extreme(193)`	The processor family is Intel Core2 Extreme processor.
`deviceFamilyIsIntelCore2Quad (194)`	The processor family is Intel Core2 Quad processor.
`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.

Table 2-1. Processor Device Family *(continued)*

Variable Name: `DellProcessorDeviceFamily`

Data Type: `Integer`

Possible Data Values	Meaning of Data Value
`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.
`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.

Table 2-1. Processor Device Family *(continued)*

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

Note: The values provided in Table 2-2 are bit masked. Therefore, combination values are possible.

Table 2-2. 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.

Table 2-2. Memory Device Type Details *(continued)*

Variable Name: `DellMemoryDeviceTypeDetails`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`deviceTypeDetailIsStaticColumn(16)`	The detailed device type is static column.
`deviceTypeDetailIsPseudoStatic(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.
`deviceTypeDetailIsNonRegistered(16384)`	The detailed device type is non-registered.

Table 2-3. Dell SD Card Device Card Licensed

Variable Name: `DellSDCardDeviceCardLicensed`	
Data Type: `Integer`	
Possible Data Values	**Meaning of Data Value**
`unlicensed(0)`	SD card is not licensed by system vendor.
`licensed(1)`	SD card is licensed by system vendor.

3

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.

This section contains information about those groups which have updates made for the current release. For information about the other groups see the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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 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.

For information about the other Physical Devices Group MIB tables, see *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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 the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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

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 the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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 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 the *Dell OpenManage Server Administrator Version 1.0-6.2 SNMP Reference Guide*.

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