

Dell™ OpenManage™

Legacy Compatibility Guide

Notes and Cautions



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



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

Information in this document is subject to change without notice.

© 2009 Dell Inc. All rights reserved.

Reproduction of these materials in any manner 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*, *Windows*, *Windows NT*, *Windows Server*, *Vista*, and *MS-DOS* are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries; *Novell*, *NetWare*, *ConsoleOne*, and *SUSE* are registered trademarks of Novell Inc.; *Red Hat*, and *Red Hat Enterprise Linux* are registered trademarks of Red Hat, Inc. in the U. S. and other countries.; *Intel*, *Pentium*, and *EtherExpress* are trademarks of Intel Corporation in the U.S. and other countries.; *3COM* is a registered trademark of 3Com Corporation; *VMware* is a registered trademark of VMware Inc. in the United States and/or other jurisdictions.; *VESA* is a registered trademark of Video Electronics Standards Association; *OS/2* is a registered trademark of International Business Machines Corporation; *UNIX* is a registered trademark of The Open Group in the United States and other countries; *ACENic* is a trademark of Alteon WebSystems; *Broadcom* is a registered trademark and *NetXtreme* is a trademark of Broadcom Corporation; *RDRAM* is a registered trademark of Rambus Inc.; *Apple* and *Macintosh* are trademarks of Apple Inc., registered in the U.S. and other countries.

Server Administrator includes software developed by the Apache Software Foundation (www.apache.org). Server Administrator utilizes the OverLIB JavaScript library. This library can be obtained from www.bosrup.com.

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.

November 2009

Contents

1	Introduction	9
	Overview	9
	Where Can I Find The Server Administrator Application?	9
	Purpose of This Guide	10
	Update of Compatibility Guide	10
	Supported Instrumentation	10
	Supported Operating Systems	12
	Supported Browsers	13
	Supported GUI Languages	13
	Other Documents You Might Need	14
2	Server Administrator Services	17
	Overview	17
	Descriptions of Server Administrator Services	17
	Instrumentation Service	17
	Remote Access Service	17
	Storage Management Service	18
	Logs	18

	Available Services on Supported Operating Systems	18
3	Systems Management Standards Availability	21
	Overview	21
	Availability on Supported Systems	22
	Availability on Supported Operating Systems	22
4	Dell OpenManage Supported Applications and Systems	23
	Version Number Information	23
	Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage	24
	Device Drivers and Red Hat Enterprise Linux Kernel Support	72

5	Server Agent Supported Applications and Systems	73
6	Hardware Instrumentation Package Supported Applications and Systems	77
7	BIOS Update Requirements	79
	Overview	79
	Minimum Requirements for BIOS Update Support	79
	Downloading the Latest BIOS Packages	80
	Minimum Required and Latest Available BIOS for Update by System	80
8	RAID Controller Supported Servers, Operating Systems, Firmware, and Driver Versions	83
	Overview	83
	Key to Table Footnotes	84
	PERC 4/DC	85
	PERC 4e/DC	86
	PERC 3/DC	89
	PERC 3/QC	91
	PERC 4/Di	93
	CERC ATA 100 4/CH	95

PERC 3/Di	96
PERC 4/IM	100
PERC 4/SC	103
CERC SATA 1.5/6 Channel	104
PERC 4e/Di	107
PERC 4e/Si	109
PERC 5/E Adapter	110
PERC 5/i Adapter	112
PERC 5/i Integrated	114
CERC 6/i Integrated	117
SAS 5/iR Adapter	118
SAS 5/iR Integrated	121
SAS 5/i Integrated	123
SAS 5/E Adapter	125
PERC 6/i Integrated and Adapter	127
PERC 6/E Adapter	128
SAS 6/iR Integrated and Adapter	130
LSI Logic 1020/1030 Ultra320 SCSI Adapter	132
CERC SATA 1.5/2S	134
LSI 1020/1030 Embedded SCSI Controller	136
LSI Logic 2032 Card	139

9	Network Interface Controllers and Supported Operating Systems	141
	Overview	141
	NIC Drivers and Operating Systems	141
10	Remote Access Service Availability . . .	145
	Overview	145
	RAC Types	145
	Availability of RACs on Specific Dell Systems	146
	RAC Firmware Versions	148
11	Historical Release Information for Legacy Systems	151
	Overview	151
	Server Agent 4.5	151
	Requirements	151
	New in Server Agent Version 4.5	152
	Server Agent 4.4.1	152
	Requirements	152
	New in Server Agent Version 4.4.1	152
	Server Agent 4.4.0	153
	Requirements	153
	New in Server Agent Version 4.4.0	153
	Server Agent 4.3.0	153
	Requirements	154

New in Server Agent Version 4.3.0	154
Server Agent 4.3.0 Resolved Issues	154
Server Agent 4.2.2	155
Requirements	155
New and Resolved Issues in Server Agent Version 4.2.2	155
Server Agent 4.2.1	156
Requirements	156
New in Server Agent Version 4.2.1	156
Resolved Issues for Server Agent Version 4.2.1	156
Server Agent 4.2.0	157
Requirements	157

Introduction

Overview

Dell™ OpenManage™ Server Administrator provides a powerful, integrated set of systems management applications for keeping the systems on your network healthy. Server Administrator provides fault management information, prefailure information, and asset and inventory information to management applications. In addition to supporting systems management industry standards, Server Administrator also provides additional systems management information about the components of your specific system. Server Administrator can also configure BIOS and system settings. Server Administrator's integrated security draws on the system's operating system security. Server Administrator uses the secure socket layer (SSL) encryption protocol. For more information on SSL, see the Dell Support website at support.dell.com.

Where Can I Find The Server Administrator Application?

Depending on the version of Dell OpenManage you are using, the Server Administrator is available on different CDs and DVDs. See Table 1-1 for more information.

Table 1-1. Server Administrator and Corresponding Media

Dell OpenManage Version	Available on Media
5.4 and later	<i>Dell Systems Management Tools and Documentation DVD</i>
5.3–5.3.2	<i>Dell Systems Console and Agent CD or the Dell Systems Management Tools and Documentation DVD</i>
4.3–5.2.3	<i>Dell PowerEdge Installation and Server Management CD</i>
3.0–4.2	<i>Systems Management CD</i>
2.2 and earlier	<i>Applications CD</i>

Purpose of This Guide

Server Administrator operates on many Dell hardware platforms (hereafter called systems) with operating systems such as Microsoft® Windows®, SUSE® Linux Enterprise Server, and Red Hat Enterprise Linux. To use the systems management features of Server Administrator fully, you must understand which features of Server Administrator match your system's hardware configuration and operating system.

Update of Compatibility Guide

The Server Administrator Compatibility Guide is updated with each major OpenManage release. It summarizes all systems management releases that precede the current release date. Always see the *Dell Systems Software Support Matrix* available on the Dell Support website at support.dell.com/manuals for each release for the most current information on compatible systems management elements. See Table 1-1 for information on where you can find the systems management software.

Supported Instrumentation

Each supported systems management software contains instrumentation for your Dell system. The sections of this guide are organized around the primary instrumentation product names and show the relationship among the following variables:

- Systems management software
- Supported operating systems
- Instrumentation service
- Dell system (for example, M610)


In Table 1-2, the instrumentation product names are associated with a range of systems management software CD/DVD version.


Table 1-2. Systems Management Product Name and Corresponding Version Numbers

Instrumentation Product Names	Media Version	Section in This Guide
Dell OpenManage Server Administrator	<ul style="list-style-type: none"> • 5.4 through 6.1 (<i>Dell Systems Management Tools and Documentation DVD</i>) • 5.3 through 5.3.2 (<i>Dell Systems Console and Agent CD or Dell Systems Management Tools and Documentation DVD</i>) • 4.3 through 5.2 (<i>Installation and Server Management CD</i>) • 3.0 through 4.2 (<i>Systems Management CD</i>) 	<ul style="list-style-type: none"> • Dell OpenManage Supported Applications and Systems • Dell OpenManage Supported Applications and Systems • Dell OpenManage Supported Applications and Systems • Dell OpenManage Supported Applications and Systems
Dell OpenManage Server Agent	2.0 through 2.2 (<i>Applications CD</i>)	Server Agent Supported Applications and Systems
Dell OpenManage Hardware Instrumentation Package (HIP)	1.2 through 1.7 (<i>Applications CD</i>)	Hardware Instrumentation Package Supported Applications and Systems

Supported Operating Systems

Server Administrator supports major operating systems offered by Microsoft, Novell®, and Red Hat. See the tables in "Dell OpenManage Supported Applications and Systems" to find the operating system that matches the configuration of your Dell system and applications that you are installing or upgrading.


 **NOTE:** Each systems management software CD supports specific operating system versions, service packs, support packs, and kernels.

 **NOTE:** For Dell OpenManage information specific to VMware®, see the latest Installation Guide, Release Notes, and the VMware Software Compatibility Matrix for Dell systems at www.dell.com/vmware, under the **Resource Archive** section.

For precise operating system, application, firmware, and other requirements, see the table that lists the systems management software CD version for the system that you are configuring. The tables in the following sections of this guide are a good place to begin:

- Dell OpenManage Supported Applications and Systems
- Server Agent Supported Applications and Systems
- Hardware Instrumentation Package Supported Applications and Systems

Operating system version numbers, support packs, service packs, and kernel versions can vary with each systems management software version and cannot be accurately generalized. For example, a particular systems management software version may support only a version of the Red Hat Enterprise Linux operating system with a specific kernel. Some systems management applications are available only on specific operating systems.

 **NOTE:** To address any Simple Network Management Protocol (SNMP) security vulnerabilities associated with an operating system, see the appropriate website for your system's operating system (for example, www.microsoft.com, www.redhat.com, or www.novell.com).

Supported Browsers

Server Administrator supports Microsoft Internet Explorer (IE) versions 6.0 SP2 7.0, and 8.0, and Mozilla Firefox™ version 2.0 and 3.0 open-source Web browsers.



NOTE: Windows 2000 supports only Internet Explorer version 6.0 SP1.



NOTE: Server Administrator versions 4.3 and later do not support Netscape Navigator.

Supported GUI Languages

Dell OpenManage is localized into French, German, Spanish, Japanese, and Simplified Chinese. Dell OpenManage software is localized according to the matrix in the following table. Dell OpenManage does not support languages outside of this table.

Table 1-3 plots the language of the Dell OpenManage GUI against the operating system languages.

Table 1-3. Supported Dell OpenManage GUI Languages

Dell OpenManage GUI Language	English Operating System	French Operating System	German Operating System	Spanish Operating System	Simplified Chinese Operating System	Japanese Operating System
English	X	X	X	X	X	X
French		X				
German			X			
Spanish				X		
Simplified Chinese					X	
Japanese						X

Other Documents You Might Need

In addition to this *Compatibility Guide*, to access the following guides, go to support.dell.com/manuals and select your product:

- The *Dell OpenManage Server Administrator Installation Guide* provides instructions to help you install the Dell OpenManage Server Administrator.
- The *Dell OpenManage Management Station Software Installation Guide* provides instructions to help you install the Dell OpenManage management station software that includes Baseboard Management Utility, DRAC Tools, and Active Directory Snap-In.
- The *Dell Systems Software Support Matrix* allows you to identify operating systems and Dell OpenManage software that your Dell system supports.
- The *Dell OpenManage Server Administrator User's Guide* describes the installation and use of Server Administrator. Server Administrator is a suite of management agents, installed on the managed system, that provide fault management information, prefailure information, and asset inventory information to management console applications such as Server Administrator and IT Assistant. This guide also provides information about configuring your remote access controller (RAC).
- The *Dell OpenManage Server Administrator SNMP Reference Guide* documents the SNMP management information base (MIB). The SNMP MIB files define variables that extend the standard MIB to cover the capabilities of systems management agents.
- The *Dell OpenManage Server Administrator CIM Reference Guide* documents the Common Information Model (CIM) provider, an extension of the standard management object format (MOF) file. The CIM provider MOF documents supported classes of management objects.
- The *Dell OpenManage Server Administrator Messages Reference Guide* lists the messages that are displayed in your Server Administrator home page Alert log or on your operating system's event viewer. This guide explains the text, severity, and cause of each alert message that Server Administrator issues.

- The *Dell OpenManage Server Administrator Command Line Interface User's Guide* documents the complete command line interface (CLI) for Server Administrator, including an explanation of CLI commands to view system status, access logs, create reports, configure various component parameters, and set critical thresholds.
- The *Dell Remote Access Controller Installation and Setup Guide* provides complete information about installing and configuring a DRAC III, DRAC III/XT, and an ERA/O controller, configuring an ERA controller, and using a RAC to remotely access an inoperable system.
- The *Dell OpenManage Baseboard Management Controller Utilities User's Guide* provides information about installing and using the baseboard management controller.
- The *Dell Remote Access Controller 4 User's Guide* provides complete information about installing and configuring a DRAC 4 controller and using DRAC 4 to remotely access an inoperable system.
- The *Dell Remote Access Controller Modular Chassis User's Guide* provides complete information about configuring and using the DRAC/MC to remotely manage and monitor your modular system and its shared resources through a network.
- The *Dell Remote Access Controller 5 User's Guide* provides complete information about installing and configuring a DRAC 5 controller and using DRAC 5 to remotely access an inoperable system.
- The *Integrated Dell Remote Access Controller User's Guide* provides complete information about installing and configuring an iDRAC and using it to remotely access an inoperable system.
- The *Chassis Management Controller User's Guide* provides complete information about installing and configuring the CMC and using it to remotely access an inoperable system. The Dell Chassis Management Controller (CMC) is a hot-pluggable systems management hardware and software solution designed to provide remote management capabilities and power control functions for the Dell M1000e chassis systems.
- The *Dell OpenManage Remote Install User's Guide* provides information about unattended, simultaneous provisioning and configuration solutions of PowerEdge 1655MC only over the network by leveraging image-based technology.

- The *Dell Update Packages User's Guide* provides information about obtaining and using Dell Update Packages as part of your system update strategy.
- The *Server Update Utility User's Guide* provides information about obtaining and using the Server Update Utility (SUU) to update your Dell system or to view the updates available for any system listed in the Repository.
- The *Glossary* provides information on terms used in this document.

Server Administrator Services

Overview

Dell™ OpenManage™ Server Administrator has a modular architecture that allows you to select and install the functions most needed in your particular IT environment. The available services vary from one operating system to another. The following sections describe the contribution of each service to your systems management capabilities.

Descriptions of Server Administrator Services

Each service provides a functionally related set of systems management tasks that you can use to manage your system.

Instrumentation Service

The Instrumentation Service provides rapid access to detailed fault and performance information gathered by industry-standard systems management agents. The instrumentation service allows remote administration of monitored systems, including shutdown, start-up, and security.

Remote Access Service

The Remote Access Service provides a complete remote systems management solution for systems equipped with a remote access controller (RAC) solution. The Remote Access Service provides remote access to an inoperable system, allowing the system administrator to get the system up and running as quickly as possible. The Remote Access Service also provides alert notification when a system is down and allows the system administrator to restart a system remotely. Additionally, the Remote Access Service logs the probable cause of system crashes and saves the most recent crash screen.

Storage Management Service

Express Setup installs the Storage Management Service (earlier known as the enhanced Storage Management Service) by default on Microsoft® Windows®. On Red Hat® Enterprise Linux® and SUSE® Linux Enterprise Server systems, you can either install the Storage Management Service through the Red Hat Package Manager (RPM) or use the `srvadmin-install.sh` script — a menu driven script that installs the appropriate RPMs based on the options you choose.

 **NOTE:** The Red Hat Enterprise Linux operating system provides drivers for some of the RAID controllers listed in the "RAID Controller Supported Servers, Operating Systems, Firmware, and Driver Versions" section.

See the *Dell OpenManage Server Administrator User's Guide* for more information on Storage Management Service.

Logs

Server Administrator displays logs of commands issued to or by the system, monitored hardware events, POST events, and system alerts. You can view logs on the home page, print or save them as reports, and send them by e-mail to a designated service contact.

Available Services on Supported Operating Systems

Table 2-1 summarizes the services that are available for each supported operating system.


 **NOTE:** See the *Dell Systems Software Support Matrix* on the Dell Support website at support.dell.com/manuals to identify the operating systems that your Dell PowerEdge™ system supports.

Table 2-1. Server Administrator Services Available With Supported Operating Systems

Operating System	Services Available
<ul style="list-style-type: none"> • Microsoft Windows Server® 2008 Web, Standard, and Enterprise (32-bit x86) editions with SP2 • Microsoft Windows Server 2008 Core Standard and Enterprise (32-bit x86) editions with SP2 • Microsoft Windows Server 2008 Standard, Enterprise, and Datacenter (x64) editions with SP2 • Microsoft Windows Server 2008 Core Standard, Enterprise, and Datacenter (x64) editions with SP2 	<ul style="list-style-type: none"> • Instrumentation • Storage Management • Remote Access

NOTE: For more information about when Microsoft Windows Server 2008 SP2 will be available, see www.microsoft.com.

- Microsoft Windows Server 2003 Web, Standard and Enterprise (32-bit x86) editions with SP2
- Microsoft Windows Server 2003 Standard, Enterprise, and Datacenter (x64) editions with SP2
- Microsoft Windows Server 2003 R2 Standard and Enterprise (32-bit x86) editions with SP2
- Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter (x64) editions with SP2
- Microsoft Windows® Essential Business Server 2008 Standard and Premium editions
- Microsoft Windows Small Business Server 2008 Standard and Premium editions

Table 2-1. Server Administrator Services Available With Supported Operating Systems (continued)

Operating System	Services Available
<ul style="list-style-type: none"> • Microsoft Windows Small Business Server 2003 Standard and Premium editions with SP2 • Windows Server 2008 Foundation • Microsoft Windows Storage Server 2008 Express, Workgroup, Standard, and Enterprise x64 editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 editions with SP2 • Microsoft Windows Server 2003 Compute Cluster Edition and Microsoft Windows Server 2008 HPC Edition • Microsoft Windows Unified Data Storage Server 2003 Standard and Enterprise x64 editions 	<ul style="list-style-type: none"> • Instrumentation • Storage Management • Remote Access
Red Hat Enterprise Linux WS, ES, and AS Version 4.7 (x86) and (x86_64)	<ul style="list-style-type: none"> • Instrumentation • Remote Access • Storage Management Service
Red Hat Enterprise Linux 5.3 server (x86) and (x86_64) Gold	<ul style="list-style-type: none"> • Instrumentation • Remote Access • Storage Management Service
SUSE Linux Enterprise Server 10 (SP2) (x86_64)	<ul style="list-style-type: none"> • Instrumentation • Remote Access • Storage Management Service
SUSE Linux Enterprise Server 11 (x86_64)	<ul style="list-style-type: none"> • Instrumentation • Remote Access • Storage Management Service
VMware® ESX/ESXi	<ul style="list-style-type: none"> • Instrumentation • Remote Access • Storage Management Service

Systems Management Standards Availability

Overview

Dell™ OpenManage™ Server Administrator supports the following major systems management protocols:

- HyperText Transfer Protocol Secure (HTTPS)
- Common Information Model (CIM)
- Simple Network Management Protocol (SNMP)



NOTE: See Table 1-1 for information on where you can find the Server Administrator application.



NOTE: See the Dell OpenManage Server Administrator **readme** file (packaged with the Server Administrator application) at the Dell Support website at support.dell.com/manuals for information on SNMP security concerns. You must apply updates from your operating system's master SNMP agents to ensure that Dell's SNMP subagents are secure.

If your system supports SNMP, you must install and enable the service on your operating system. If SNMP services are available on your operating system, the Server Administrator installation program installs the supporting agents for SNMP.



NOTE: After you install SNMP, it must be enabled. For more information on enabling SNMP-supported agents, see the *Server Administrator User's Guide*.

HTTPS is supported on all operating systems. Support for CIM and SNMP is operating system dependent and, in some cases, operating system-version dependent.

Availability on Supported Systems

On supported Microsoft® Windows® operating systems, Server Administrator supports two systems management standards: CIM/WMI and SNMP.

On supported Red Hat® Enterprise Linux® and SUSE® Linux Enterprise Server operating systems, Server Administrator supports the SNMP systems management standard.

Server Administrator adds considerable security to these systems management standards. All set operations for attributes (for example, changing the value of an asset tag) must be performed with Dell OpenManage IT Assistant while logged in with the required authority. As a result of the added security that IT Assistant offers for systems management, IT Assistant is the only management console that you can use to change attributes.

Availability on Supported Operating Systems

Table 3-1 shows the availability of the systems management standards for each supported operating system.

Table 3-1. Availability of Systems Management Standard by Operating System

Operating System	SNMP	CIM
Windows Server® 2008 family and Windows Server 2003 family	Available from the operating system installation media	Always installed
Red Hat Enterprise Linux AS, ES, and WS Version 4.7 (x86) and (x86_64)	Available in the net-snmp package from the operating system installation media	Unavailable
Red Hat Enterprise Linux 5.3 Server (x86) and (x86_64)	Available in the net-snmp package from the operating system installation media	Unavailable
SUSE Linux Enterprise Server version 10 SP2 and version 11	Available in the net-snmp package from the operating system installation media	Unavailable
VMware ESX/ESXi	Available snmp traps only on VMware ESX/ESXi version 4.0	Unavailable

Dell OpenManage Supported Applications and Systems

This section provides information on instrumentation, applications, and systems that are supported by the systems management software.

Version Number Information

All software supporting the Dell™ systems and Dell PowerVault™ appliances are delivered in Dell OpenManage™ *stack releases* that include the complete group of programs and that are fully tested for the supported platforms. An example is the Dell OpenManage 5.3.2 release of the Dell OpenManage software that supports most Dell systems from February 2002 through March 2008. The version of the software is significant. In this example, the first number (5) represents the major version number. You should upgrade your software any time Dell delivers a new major version. The second number (3) is the release number. A new release may have some minor features and fixes associated with it. You do not need to upgrade to the latest release unless that release is enabling your specific hardware or solving an issue you may be experiencing. You may skip releases as needed. The last number (2) is the hardware *platform refresh* number. This indicates that the software has been updated to support a new system. For example, if you have older systems running version 5.2.1, there is no need to upgrade to version 5.2.2 for a platform refresh.

Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage

Table 4-1 shows compatible applications and Dell systems.

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
Dell systems	800	R610*	600SC**
(* indicates new systems for the given version of the DVD)	830	R710*	650
	840	T610*	700
	850	M610*	750
	860	M710*	750N
	1800		755N
	1850		770N
	1855		775N
	1900		800
	1950		830
	1955		840
	2800		850
	2850		860
	2900		1600SC**
	2950		1650
	2970		1655MC
	6800		1750
	6850		1800
	6950		1850
	T100**		1855
	T105**		1900
	T300		1950
	R200		1955
	R300		2600
	M600		2650

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
	M605		2800
	T605		2850
	R900		2900
	M805		2950
	M905		2970
	R805		4600
	R905		6600
	R610		6650
	R710		6800
	T610		6850
	M610		6950
	M710		T300
	R410*		R200
	T410*		R300
	T710*		M600
	SC1435**		M605
	SC1430**		T605
	SC1425**		R900
	SC440**		M805*
	SC430**		M905*
	SC420**		T100**
	PowerVault 100		MD1120
	PowerVault 500		PowerVault 100
	PowerVault 600		PowerVault 500
	PowerVault NX1950		PowerVault 600
	PowerVault NX3000*		PowerVault
	PowerVault DL2000		NX1950
			PowerVault
			DL2000*

** indicates systems do not support installation of Dell OpenManage Server Administrator. However, you can use Dell Systems Build and Update Utility to install the operating system.

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
Supported operating systems	<ul style="list-style-type: none"> • Microsoft® Windows Server® 2008 Web, Standard, Enterprise, and Core Edition (x86) with SP2. • Microsoft Windows Server 2008 Standard, Enterprise, DataCenter, and Core Edition (x64) with SP2. <p>NOTE: For more information about when Microsoft Windows Server 2008 SP2 will be available, see www.microsoft.com.</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2008 Foundation 	<ul style="list-style-type: none"> • Microsoft Windows Server 2008 Web, Standard, Enterprise, and Core Edition (x86). • Microsoft Windows Server 2008 Standard, Enterprise, and Core Edition (x64). • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2008 Web, Standard, Enterprise, and Core Edition (x86). • Microsoft Windows Server 2008 Standard, Enterprise, DataCenter, and Core Edition (x64). • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Essential Business Server 2008 Standard and Premium Editions • Microsoft Windows Small Business Server 2008 Standard and Premium Editions • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions 	<ul style="list-style-type: none"> • Microsoft Windows Essential Business Server 2008 Standard and Premium Editions • Microsoft Windows Small Business Server 2008 Standard and Premium Editions • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows XP Professional with SP2 • Red Hat® Enterprise Linux® WS, ES, and AS (Version 4.7) (x86) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Small Business Server 2008 Standard and Premium Editions

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
	<ul style="list-style-type: none"> • Microsoft Windows Storage Server 2008 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions with SP2 • Microsoft Windows Server 2003 Compute Cluster Edition • Microsoft Windows Server HPC 2008 • Microsoft Windows[®] XP Professional with SP3 • Microsoft Windows Unified Data Storage Server 2003 Standard and Enterprise x64 editions 	<ul style="list-style-type: none"> • Red Hat Enterprise Linux WS, ES, and AS (Version 4.7) (x86_64) • Red Hat Enterprise Linux 5.2 server (x86) • Red Hat Enterprise Linux 5.2 server (x86_64) • SUSE Linux Enterprise Server 10 SP2 (x86_64) • VMware[®] ESX Version 3.5 Update 4 • VMware ESXi Version 3.5 Update 4 • Microsoft Hyper-V and Hyper-V Server • Citrix XenServer 5.0 Hotfix 2 HDD 	<ul style="list-style-type: none"> • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions • Microsoft Windows XP Professional with SP2

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
	<ul style="list-style-type: none"> • Red Hat Enterprise Linux WS, ES, and AS (Version 4.7) (x86) • Red Hat Enterprise Linux WS, ES, and AS (Version 4.7) (x86_64) • Red Hat Enterprise Linux 5.3 server (x86) • Red Hat Enterprise Linux 5.3 server (x86_64) • SUSE Linux Enterprise Server 10 SP2 (x86_64) • SUSE Linux Enterprise Server 11 • VMware ESX Version 3.5 Update 4 • VMware ESX Version 4 • VMware ESXi Version 3.5 Update 4 		<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Compute Cluster Edition • Microsoft Windows Server HPC 2008 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux WS, ES, and AS (Version 4.5) (x86) • Red Hat Enterprise Linux WS, ES, and AS (Version 4.5) (x86_64)

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
	<ul style="list-style-type: none"> • VMware® ESXi Version 4 <p>NOTE: For more information about when VMware® ESXi 4.0 will be available, see www.dell.com/vmware</p> <ul style="list-style-type: none"> • Microsoft Hyper-V and Hyper-V Server • Citrix XenServer 5.5 Flash and HDD Image 		<ul style="list-style-type: none"> • Red Hat Enterprise Linux 5.2 server (x86) • Red Hat Enterprise Linux 5.2 server (x86_64) • SUSE Linux Enterprise Server 9 SP4 (x86_64) • SUSE Linux Enterprise Server 10 SP2 (x86_64) • Citrix XenServer Dell Edition 5.0 Flash and HDD Image • VMware ESX Version 3.5 Update 2 • Microsoft Hyper-V and Hyper-V Server

NOTE: See the *Dell Systems Software Support Matrix* on the Dell Support website at support.dell.com/manuals for the latest information on supported operating systems.

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
Server Administrator	6.1	6.0.1	5.5
Server Administrator Framework	4.1	4.0	3.5
Instrumentation Service: Server Agent	6.1	6.0	5.9.5
Dell Online Diagnostics	2.14	2.13	2.12
IT Assistant	8.5	8.4	8.3
Storage Management Service	3.1	3.0.2	3.0
RAC Firmware			
CMC	2.0	1.0	1.0
iDRAC6	1.10	1.0	
iDRAC	1.2	1.0/2.0	1.2
DRAC 5	1.48		1.40
DRAC 4	1.75		1.61
DRAC/MC	1.50		1.50
DRAC III, DRAC III/XT, ERA, ERA/O, ERA/XT	3.38		3.38
ERA/MC	1.44		1.44

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage (continued)

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
BMC/iDRAC Firmware Version On Dell Systems			
800	1.30 or later		1.30 or later
830	1.44 or later		1.44 or later
840	1.67 or later		1.67 or later
850	1.44 or later		1.44 or later
860	1.67 or later		1.67 or later
1425SC	1.30 or later		1.30 or later
1800	1.23 or later		1.23 or later
1850	1.23 or later		1.23 or later
1855	1.01 or later		1.11 or later
1900	2.29		1.29 or later
1950	2.28		1.29 or later
1955	2.03		1.10 or later
2800	1.23 or later		1.23 or later
2850	1.23 or later		1.23 or later
2900	2.28		1.29 or later
2950	2.28		1.29 or later
2970	See the appropriate readme file for the latest information.		
6800	1.40 or later		1.64 or later
6850	1.40 or later		1.64 or later
6950	2.29		1.29 or later
T300	2.34		3.0 or later
R200	1.29 or later		3.0 or later

Table 4-1. Compatible Dell Systems and Applications for the Dell Systems Management Tools and Documentation DVD for Dell OpenManage *(continued)*

Dell Systems Management Tools and Documentation DVD	Supported System/Version Number for Dell OpenManage 6.1	Supported System/Version Number for Dell OpenManage 6.0.1	Supported System/Version Number for Dell OpenManage 5.5
R300	2.34		3.0 or later
T605	2.30		3.0 or later
R900	2.32		3.0 or later
M805	1.29 or later		3.0 or later
M905	1.29 or later		3.0 or later
PowerVault 100	1.29 or later		3.0 or later
PowerVault 500	1.29 or later		3.0 or later
PowerVault 600	1.29 or later		3.0 or later
PowerVault NX1950	1.29 or later		3.0 or later
PowerVault NX3000	1.10		3.0 or later
PowerVault DL2000	1.29 or later		3.0 or later
R610	1.10	1.0	
R710	1.10	1.0	
T610	1.10	1.0	
M610	2.0	1.0	
M710	2.0	1.0	
R410	1.10	1.0	
T410	1.10	1.0	
T710	1.10	1.0	

Table 4-2 shows compatible applications and Dell systems for the *Dell Systems Console and Agent CD* (version 5.3) or *Dell Systems Management Tools and Documentation DVD*.

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
Dell systems	600SC	600SC	600SC
(* indicates new systems for the given version of the CD)	650	650	650
	700	700	700
	750	750	750
	750N	750N	750N
	755N	755N	755N
	770N	770N	770N
	775N	775N	775N
	800	800	800
	830	830	830
	840	840	840
	850	850	850
	860	860	860
	1600SC	1600SC	1600SC
	1650	1650	1650
	1655MC	1655MC	1655MC
	1750	1750	1750
	1800	1800	1800
	1850	1850	1850
	1855	1855	1855
	1900	1900	1900
	1950	1950	1950
	1955	1955	1955
	2600	2600	2600
	2650	2650	2650

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
	2800	2800	2800
	2850	2850	2850
	2900	2900	2900
	2950	2950	2950
	2970	2970	2970
	4600	4600	4600
	6600	6600	6600
	6650	6650	6650
	6800	6800	6800
	6850	6850	6850
	6950	6950	6950
	T300*	R200	R200
	R200	M600	M600
	R300*	M605	M605
	M600	R900	R900
	M605	PowerVault 100	PowerVault 100
	T605	PowerVault 500	PowerVault 500
	R900	PowerVault 600	PowerVault 600
	MD1120*	PowerVault NX1950	PowerVault NX1950
	PowerVault 100		
	PowerVault 500		
	PowerVault 600		
	PowerVault		
	NX1950		

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
Supported operating systems	<ul style="list-style-type: none"> • Microsoft Windows Server 2008 Web, Standard, Enterprise, and Core Edition (x86). • Microsoft Windows Server 2008 Standard, Enterprise, DataCenter, and Core Edition (x64). • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2008 Web, Standard, Enterprise, and Core Edition (x86). • Microsoft Windows Server 2008 Standard, Enterprise, DataCenter, and Core Edition (x64). • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 	<ul style="list-style-type: none"> • Microsoft Windows Server 2008 Web, Standard, Enterprise, and Core Edition (x86). • Microsoft Windows Server 2008 Standard, Enterprise, DataCenter, and Core Edition (x64). • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows® Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
	<ul style="list-style-type: none"> • Microsoft Windows XP Professional with SP2 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux WS, ES, and AS (Version 4.5) (x86) • Red Hat Enterprise Linux WS, ES, and AS (Version 4.5) (x86_64) • Red Hat Enterprise Linux 5 server (x86) • Red Hat Enterprise Linux 5 server (x86_64) 	<ul style="list-style-type: none"> • Microsoft Windows XP Professional with SP2 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux 5 server (x86) • Red Hat Enterprise Linux 5 server (x86_64) • SUSE Linux Enterprise Server 9 SP3 (x86_64) • SUSE Linux Enterprise Server 10 (x86_64) 	<ul style="list-style-type: none"> • Microsoft Windows XP Professional with SP2 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux 5 server (x86) • Red Hat Enterprise Linux 5 server (x86_64) • SUSE Linux Enterprise Server 9 SP3 (x86_64) • SUSE Linux Enterprise Server 10 (x86_64)

NOTE: See the *Dell Systems Software Support Matrix* on the Dell Support website at support.dell.com/manuals for the latest information on supported operating systems.

Server Administrator	5.4	5.3	5.3.0.1
Server Administrator Framework	3.4	3.3	3.3

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
Instrumentation Service: Server Agent	5.4	5.8	5.8
Diagnostic Service	3.4	NA	NA
IT Assistant	5.8	8.1	8.1
Storage Management Service	NA	2.3	2.3
RAC Firmware			
CMC	2.4	1.0	1.0
iDRAC		1.0	1.0
DRAC 5	1.0	1.30	1.30
DRAC 4		1.60	1.60
DRAC/MC	1.0	1.4	1.4
DRAC III, ERA, ERA/O, ERA/XT	1.3.3	3.35	3.35
ERA/MC	1.6.1	1.44	1.44
BMC Firmware Version On Dell Systems			
R900	3.3.8	3.0 or later	3.0 or later
PowerVault 100	1.44	3.0 or later	3.0 or later
PowerVault 500		3.0 or later	3.0 or later
PowerVault 600	1.30 or later	3.0 or later	3.0 or later
PowerVault NX1950	1.41 or later	3.0 or later	3.0 or later
800	1.67 or later	1.30 or later	1.30 or later

Table 4-2. Compatible Dell Systems and Applications for Dell Systems Console and Agent CD Version 5.3 and 5.3.0.1 (continued)

Dell Systems Console and Agent CD Component	5.4	5.3	5.3.0.1
830	1.41 or later	1.41 or later	1.41 or later
840	1.67 or later	1.67 or later	1.67 or later
850	1.30 or later	1.41 or later	1.41 or later
860	1.23 or later	1.67 or later	1.67 or later
1425SC	1.23 or later	1.30 or later	1.30 or later
1800	1.11 or later	1.23 or later	1.23 or later
1850	1.27 or later	1.23 or later	1.23 or later
1855	1.27 or later	1.11 or later	1.11 or later
1900	1.10 or later	1.27 or later	1.27 or later
1950	1.23 or later	1.27 or later	1.27 or later
1955	1.23 or later	1.23 or later	1.23 or later
2800	1.27 or later	1.23 or later	1.23 or later
2850	1.27 or later	1.23 or later	1.23 or later
2900		1.27 or later	1.27 or later
2950	1.64 or later	1.27 or later	1.27 or later
2970	1.64 or later	See the appropriate readme file for the latest information.	
6800	1.26 or later	1.64 or later	1.64 or later
6850	3.0 or later	1.64 or later	1.64 or later
6950	3.0 or later	1.26 or later	1.26 or later

Table 4-3 shows compatible applications and Dell systems for the *Dell PowerEdge Installation and Server Management* CD (versions 5.2 and 5.2.1).

Table 4-3. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.2 and 5.2.1

Installation and Server Management CD Version	5.2	5.2.1
Dell PowerEdge systems	600SC	R200*
(* Indicates new systems for the given version of the CD)	650	
	700	
	750	
	750N	
	755N	
	770N	
	775N	
	800	
	830	
	840	
	850	
	860	
	1600SC	
	1650	
	1655MC	
	1750	
	1800	
	1850	
	1855	
	1900	
	1950	
	1955	
	2600	
	2650	
	2800	
	2850	
	2900	
	2950	
	2970*	
	4600	
	6600	
	6650	
	6800	
	6850	
	6950	

Table 4-3. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.2 and 5.2.1 (continued)

Installation and Server Management CD Version	5.2	5.2.1
Supported operating systems	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions • Microsoft Windows XP Professional with SP2 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux WS, ES, and AS (version 4) (x86) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2 • Microsoft Windows Server 2003 R2 Standard and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Server 2003 Web and Enterprise Editions with SP2 (32-bit x86) • Microsoft Windows Small Business Server 2003 R2 Standard and Premium Editions • Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 Editions • Microsoft Windows Unified Data Storage Server 2003 Gold Standard and Enterprise x64 Editions • Microsoft Windows XP Professional with SP2 • Microsoft Windows 2000 Server and Advanced Server with SP4 • Red Hat Enterprise Linux WS, ES, and AS (version 4) (x86)

Table 4-3. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.2 and 5.2.1 (continued)

Installation and Server Management CD Version	5.2	5.2.1
	<ul style="list-style-type: none"> Red Hat Enterprise Linux WS, ES, and AS (version 4) (x86_64) Red Hat Enterprise Linux 5 server (x86) Red Hat Enterprise Linux 5 server (x86_64) SUSE Linux Enterprise Server 9 SP3 (x86_64) SUSE Linux Enterprise Server 10 Gold (x86_64) 	<ul style="list-style-type: none"> Red Hat Enterprise Linux WS, ES, and AS (version 4) (x86_64) Red Hat Enterprise Linux 5 server (x86) Red Hat Enterprise Linux 5 server (x86_64) SUSE Linux Enterprise Server 9 (x86_64) SUSE Linux Enterprise Server 10 (x86_64)
Server Administrator	5.2	5.2.1
Server Administrator Framework	3.2	3.2
Instrumentation Service: Server Agent	5.7	5.7
Diagnostic Service	NA	NA
IT Assistant	8.0.1	8.0.1
Storage Management Service	2.2	2.2
RAC Firmware		
DRAC 5	1.20	1.20
DRAC 4	1.50	1.50
DRAC/MC	1.4	1.4
DRAC III, ERA, ERA/O, ERA/XT	3.35	3.35
ERA/MC	1.44	1.44

Table 4-3. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.2 and 5.2.1 (continued)

Installation and Server Management CD Version	5.2	5.2.1
BMC Firmware Version On Dell Systems		
800	1.30 or later	1.30 or later
830	1.41 or later	1.41 or later
840	1.67 or later	1.67 or later
850	1.41 or later	1.41 or later
860	1.67 or later	1.67 or later
1425SC	1.30 or later	1.30 or later
1800	1.23 or later	1.23 or later
1850	1.23 or later	1.23 or later
1855	1.11 or later	1.11 or later
1900	1.27 or later	1.27 or later
1950	1.27 or later	1.27 or later
1955	1.23 or later	1.23 or later
2800	1.23 or later	1.23 or later
2850	1.23 or later	1.23 or later
2900	1.27 or later	1.27 or later
2950	1.27 or later	1.27 or later
2970	See the appropriate readme file for the latest information.	
6800	1.64 or later	1.64 or later
6850	1.64 or later	1.64 or later
6950	1.26 or later	1.26 or later
R200	NA	2.1 or later

Table 4-4 shows compatible applications and Dell systems for the *Dell PowerEdge Installation and Server Management CD* (versions 5.0 to 5.1.1).

Table 4-4. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.0 to 5.1.1

Installation and Server Management CD Version	5.0	5.1	5.1.1
Dell PowerEdge systems (* Indicates new systems for the given version of the CD)	600SC 650 700 750 750N 755N 770N 775N 800 830 850 1600SC 1650 1655MC 1750 1800 1850 1855 1950* 1955* 2600 2650 2800 2850 2900* 2950* 4600 6600 6650 6800 6850	600SC 650 700 750 750N 755N 770N 775N 800 830 840* 850 860* 1600SC 1650 1655MC 1750 1850 1855 1900 1950 1955 2600 2800 2850 2900 2950 4600 6600 6650 6800 6850	6950*

Table 4-4. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.0 to 5.1.1 (continued)

Installation and Server Management CD Version	5.0	5.1	5.1.1
Supported operating systems	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, Enterprise, and x64 Editions) (SP1) • Microsoft Windows Small Business Server 2003 (SP1) • Microsoft Windows Server 2003 R2 • Microsoft Windows Storage Server 2003 R2 (includes Express, Standard, Workgroup, and Enterprise editions) • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server and Microsoft Windows Small Business Server 2000) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, Enterprise, and x64 Editions) (SP1) • Microsoft Windows Small Business Server 2003 (SP1) • Microsoft Windows Server 2003 R2 • Microsoft Windows Storage Server 2003 R2 (includes Express, Standard, Workgroup, and Enterprise editions) • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server and Microsoft Windows Small Business Server 2000) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (Standard and Enterprise Editions [R2]) (32- and 64 bit)

Table 4-4. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.0 to 5.1.1 (continued)

Installation and Server Management CD Version	5.0	5.1	5.1.1
	<ul style="list-style-type: none"> • Red Hat Enterprise Linux AS, ES, and WS version 3 (Update 6) (x86 and x86_64) • Red Hat Enterprise Linux version 4 (x86 and x86_64) • SUSE Linux Enterprise Server version 9 (SP3) (x86_64) 	<ul style="list-style-type: none"> • Red Hat Enterprise Linux AS, ES, and WS version 3 (Update 6) (x86 and x86_64) • Red Hat Enterprise Linux version 4 (x86 and x86_64) • SUSE Linux Enterprise Server version 9 (SP3) and 10 (Gold) (x86_64) 	<ul style="list-style-type: none"> • Red Hat Enterprise Linux AS version 4 (Gold) (x86 and x86_64) • SUSE Linux Enterprise Server version 10 (Gold) (x86_64)
	<p>NOTE: SUSE Linux Enterprise Server version 10 does not support the DRAC 4 and DRAC 5 client GUI.</p>		
Server Administrator	5.0	5.1	5.1.1
Server Administrator Framework	3.0	3.1	3.1.1
Instrumentation Service: Server Agent	5.6	5.6	5.6
Diagnostic Service	3.6	NA	NA
IT Assistant	7.2	8.0	8.0
Storage Management Service	2.0	2.1	2.1

Table 4-4. Compatible Dell Systems and Applications for Installation and Server Management CD Version 5.0 to 5.1.1 (continued)

Installation and Server Management CD Version	5.0	5.1	5.1.1
RAC Firmware			
DRAC 5	1.0	1.0	1.0
DRAC 4	1.35	1.35	NA
DRAC/MC	1.3	1.3	NA
DRAC III, ERA, ERA/O, ERA/XT	3.3.5	3.3.5	NA
ERA/MC	1.4.4	1.4.4	NA
BMC Firmware Version On			
800	1.30 or later	1.30 or later	NA
830	1.41 or later	1.41 or later	NA
840	1.0 or later	1.0 or later	NA
850	1.41 or later	1.41 or later	NA
860	1.0 or later	1.0 or later	NA
1425SC	1.30 or later	1.30 or later	NA
1800	1.23 or later	1.23 or later	NA
1850	1.23 or later	1.23 or later	NA
1855	1.0 or later	1.0 or later	NA
1950	1.0 or later	1.0 or later	NA
1955	1.0 or later	1.0 or later	NA
2800	1.23 or later	1.23 or later	NA
2850	1.23 or later	1.23 or later	NA
2900	1.0 or later	1.0 or later	NA
2950	1.0 or later	1.0 or later	NA
6800	1.40 or later	1.40 or later	NA
6850	1.40 or later	1.40 or later	NA
6950	NA	NA	1.0 or later

Table 4-5 shows compatible applications and Dell systems for the *Dell PowerEdge Installation and Server Management* CD (versions 4.3 to 4.5.1).

Table 4-5. Compatible Dell Systems and Applications for Installation and Server Management CD Version 4.3 to 4.5.1

Installation and Server Management CD Version	4.3	4.4	4.5	4.5.1^a
Dell	350	350	350	1850
PowerEdge	500SC	500SC	500SC	2850
systems	600SC	600SC	600SC	6800
(* indicates	650	650	650	6850
new systems	700	700	700	
for the given	750	750	750	
version of the	800	800	800	
CD)	1400	1400	830*	
	1500SC	1500SC	850*	
	1550	1550	1400	
	1600SC	1600SC	1500SC	
	1650	1650	1550	
	1655MC	1655MC	1600SC	
	1750	1750	1650	
	1800	1800	1655MC	
	1850	1850	1750	
	1855	1855	1800	
	2400	2400	1850	
	2450	2450	1855	
	2500	2500	2400	
	2550	2550	2450	
	2600	2600	2500	
	2650	2650	2550	
	2800	2800	2600	
	2850	2850	2650	
	4400	4400	2800	

Table 4-5. Compatible Dell Systems and Applications for Installation and Server Management CD Version 4.3 to 4.5.1 (continued)

Installation and Server Management CD Version	4.3	4.4	4.5	4.5.1 ^a
	4600	4600	2850	
	6400	6400	4400	
	6450	6450	4600	
	6600	6600	6400	
	6650	6650	6450	
	6800* ^a	6800	6600	
	6850* ^a	6850	6650	
	8450	8450	6800	
	750N	750N	6850	
	755N	755N	8450	
	770N	770N	750N	
	775N	775N	755N	
			770N	
			775N	
Supported operating systems	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, and Enterprise editions) • Microsoft Windows Small Business Server [SBS] 2003 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, Enterprise, and x64 Editions) (SP1) • Microsoft Windows Small Business Server 2003 (SP1) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, Enterprise, and x64 Editions) (SP1) • Microsoft Windows Small Business Server 2003 (SP1) 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 family (includes Web, Standard, Enterprise, and x64 Editions) (SP1) • Microsoft Windows Small Business Server 2003 (SP1)

Table 4-5. Compatible Dell Systems and Applications for Installation and Server Management CD Version 4.3 to 4.5.1 (continued)

Installation and Server Management CD Version	4.3	4.4	4.5	4.5.1^a
	<ul style="list-style-type: none"> • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows Small Business Server 2000) • Novell® NetWare® 5.1 (Support Pack 7 or later, plus hot fixes) • Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes) • Red Hat Enterprise Linux AS and ES (version 2.1) 	<ul style="list-style-type: none"> • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Microsoft Windows Small Business Server 2000) • Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes) • Red Hat Enterprise Linux AS, ES, and WS version 3 (x86 and x86_64) 	<ul style="list-style-type: none"> • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Microsoft Windows Small Business Server 2000) • Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes) • Red Hat Enterprise Linux AS, ES, and WS version 3 (x86 and x86_64) 	<ul style="list-style-type: none"> • Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Microsoft Windows Small Business Server 2000) • NA • Red Hat Enterprise Linux AS, ES, and WS version 3 (x86 and x86_64)

Table 4-5. Compatible Dell Systems and Applications for Installation and Server Management CD Version 4.3 to 4.5.1 (continued)

Installation and Server Management CD Version	4.3	4.4	4.5	4.5.1^a
	• Red Hat Enterprise Linux AS, ES, and WS version 3	• Red Hat Enterprise Linux version 4 (x86 and x86_64)	• Red Hat Enterprise Linux version 4 (x86 and x86_64)	• Red Hat Enterprise Linux version 4 (x86 and x86_64)
Server Administrator	2.0	2.1	2.2	2.3
ManagedNode Framework (MNF)	2.0	2.1	2.2	2.3
Instrumentation Service: Server Agent	5.3	5.3	5.3	5.5.1
Diagnostic Service	3.2	3.3	3.4	3.4.1
Server Administrator Core	2.0	2.1	2.2	2.2
IT Assistant	7.0	7.0	7.1	7.1
Storage Management Service: Array Manager	3.7	3.7	3.7	3.7
Enhanced Storage Management Service	1.1	1.2	1.2	1.4

Table 4-5. Compatible Dell Systems and Applications for Installation and Server Management CD Version 4.3 to 4.5.1 (continued)

Installation and Server Management CD Version	4.3	4.4	4.5	4.5.1^a
RAC Firmware				
DRAC 4	1.20	1.30	1.30	1.30
DRAC/MC	1.1	1.2	1.2	NA
DRACIII, ERA, ERA/O, and ERA/XT	3.21	3.3	3.3	NA
RAC firmware: DRAC II	NOTE: The DRAC II software is no longer included on the <i>Dell Systems Management Consoles</i> CD, but can be obtained from earlier releases or support.dell.com .			
ERA/MC	1.44	NA	NA	NA
BMC Firmware Version On Dell Systems				
800	1.30 or later	1.30 or later	1.30 or later	NA
830	NA	NA	1.41 or later	NA
850	NA	NA	1.41 or later	NA
1425SC	1.30 or later	1.30 or later	1.30 or later	NA
1800	1.23 or later	1.23 or later	1.23 or later	NA
1850	1.23 or later	1.23 or later	1.23 or later	1.23 or later
1855	1.0 or later	1.0 or later	1.0 or later	NA
2800	1.23 or later	1.23 or later	1.23 or later	NA
2850	1.23 or later	1.23 or later	1.23 or later	1.23 or later
6800	1.33 or later	1.33 or later	1.33 or later	1.40 or later
6850	1.33 or later	1.33 or later	1.33 or later	1.40 or later

a. Introduced SAS support for these Dell systems: 6800 and 6850.

Table 4-6 shows compatible applications and Dell systems for *Systems Management* CD version 4.1.3 to 4.2.

Table 4-6. Compatible Dell Systems and Applications for Systems Management CD Versions 4.1.3 to 4.2

Systems Management CD Version	4.1.3	4.1.4	4.2
Dell PowerEdge systems (* indicates new systems for the given version of the CD)	1855*	1855	350 500SC 600SC 650 700 750 800 1400 1500SC 1550 1600SC 1650 1655MC 1750 1800 1850 1855 2400 2450 2500 2550 2600 2650 2800 2850 4400 4600 6400 6450 6600 6650 8450 750N 755N 770N 775N

Table 4-6. Compatible Dell Systems and Applications for Systems Management CD Versions 4.1.3 to 4.2 (continued)

Systems Management CD Version	4.1.3	4.1.4	4.2
Supported operating systems	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003 (supported by PowerEdge 2800 only)	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003 (supported by PowerEdge 2800 only)	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003
	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 SBS)
	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes) NOTE: Novell NetWare is not supported on the PowerEdge 650 system.
	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes)	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes)	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes) NOTE: Novell NetWare is not supported on the PowerEdge 650 system.
	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3

Table 4-6. Compatible Dell Systems and Applications for Systems Management CD Versions 4.1.3 to 4.2 (continued)

Systems Management CD Version	4.1.3	4.1.4	4.2
Server Administrator	1.9.1	1.9.1	1.9.2
ManagedNode Framework (MNF)	1.9	1.9	1.9
Instrumentation Service: Server Agent	5.2	5.2	5.2
Diagnostic Service	3.1.1	3.1.1	3.1
Update Service	1.9.2	NA	1.9.1
Server Administrator Core	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.
IT Assistant	6.5.3	6.5.3	6.5.3
Storage Management Service: Array Manager	NA	NA	3.6
enhanced Storage Management Service	1.0	1.0.1	1.0
RAC Firmware			
DRAC 4	1.0	1.1	1.1
DRAC/MC	1.0	NA	NA
DRACIII, ERA, ERA/O, and ERA/XT	NA	NA	3.21

Table 4-6. Compatible Dell Systems and Applications for Systems Management CD Versions 4.1.3 to 4.2 (continued)

Systems Management CD Version	4.1.3	4.1.4	4.2
RAC firmware: DRAC II	NA		NA NOTE: The DRAC II software is no longer included on the <i>Systems Management CD</i> , but can be obtained from earlier releases or support.dell.com .
ERA/MC	NA	NA	1.44
BMC Firmware Version	1.0	1.0.1	1.0.1

Table 4-7 shows compatible applications and Dell systems for *Systems Management* CD version 4.0.1 to 4.1.2.

Table 4-7. Compatible Dell Systems and Applications for Systems Management CD Versions 4.0.1 to 4.1.2

Systems Management CD Version	4.0.1	4.1	4.1.1	4.1.2
Dell	1850*	350	1800*	800*
PowerEdge	2800*	500SC		
systems	2850*	600SC		
(* indicates		650		
new systems		700		
for the given		750		
version of the		1400		
CD)		1500SC		
		1550		
		1600SC		
		1650		
		1655MC		
		1750		
		1850		
		2400		
		2450		
		2500		
		2550		
		2600		
		2650		
		2800		
		2850		
		4400		
		4600		
		6400		
		6450		
		6600		
		6650		
		8450		
		750N		
		755N		
		770N		
		775N		

Table 4-7. Compatible Dell Systems and Applications for Systems Management CD Versions 4.0.1 to 4.1.2 (continued)

Systems Management CD Version	4.0.1	4.1	4.1.1	4.1.2
Supported operating systems	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003 (supported by PowerEdge 2800 only)	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003
	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 SBS)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 SBS)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 SBS)
	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)	Novell NetWare 5.1 (Support Pack 7 or later, plus hot fixes)
	<p>NOTE: Novell NetWare is not supported on the PowerEdge 650 system.</p>			

Table 4-7. Compatible Dell Systems and Applications for Systems Management CD Versions 4.0.1 to 4.1.2 (continued)

Systems Management CD Version	4.0.1	4.1	4.1.1	4.1.2
	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes)	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes) NOTE: Novell NetWare is not supported on the PowerEdge 650 system.	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes)	Novell NetWare 6.5 (Support Pack 1 or later, plus hot fixes)
	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3	Red Hat Enterprise Linux AS and ES version 2.1 and AS, ES, and WS version 3
Server Administrator	1.8.1	1.9	1.9	1.9
ManagedNode Framework (MNF)	1.8.1	1.9	1.9	1.9
Instrumentation Service: Server Agent	5.1.1	5.2	5.2	5.2
Remote Access Service SW	4.0.0	3.30 (DRAC III) 4.0.0 (DRAC 4)	NA	NA
BMC Firmware Version	1.0	1.0.1	1.0.1	1.0.1
Diagnostic Service	3.0.1	3.1	3.1	3.1
Update Service	1.9	1.9.1	1.9.1	1.9.1
Server Administrator Core	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.

Table 4-7. Compatible Dell Systems and Applications for Systems Management CD Versions 4.0.1 to 4.1.2 (continued)

Systems Management CD Version	4.0.1	4.1	4.1.1	4.1.2
IT Assistant	6.5.2	6.5.3	6.5.3	6.5.3
Storage Management Service: Array Manager	3.5	3.6	3.6	3.6
enhanced Storage Management Service	NA	1.0	1.0	1.0
RAC Firmware				
DRAC 4	1.0	1.0	NA	NA
RAC firmware: DRAC II	NA	NA	NA	NA
		NOTE: The DRAC II software is no longer included on the <i>Systems Management CD</i> , but can be obtained from earlier releases or support.dell.com		
RAC firmware: DRAC III	NA	3.12	NA	NA
RAC firmware: DRAC III/XT	NA	3.12	NA	NA
RAC firmware: ERA	NA	3.12	NA	NA
RAC firmware: ERA/O	NA	3.12	NA	NA

Table 4-8 shows compatible applications and Dell systems for *Systems Management* CD version 3.5 to 3.8.

Table 4-8. Compatible Dell Systems and Applications for Systems Management CD Versions 3.5 Through 3.8

Systems Management CD Version	3.5	3.6	3.7	3.8
Dell	350	350	350	350
PowerEdge	500SC	500SC	500SC	500SC
systems	600SC	600SC	600SC	600SC
(* indicates	650	650	650	650
new systems	1400	1400	1400	700*
for the given	1500SC	1500SC	1500SC	750*
version of	1550	1550	1550	1400
the CD)	1600SC	1600SC	1600SC	1500SC
	1650	1650	1650	1550
	1655MC	1655MC	1655MC	1600SC
	1750	1750	1750	1650
	2400	2400	2400	1655MC
	2450	2450	2450	1750
	2500	2500	2500	2400
	2550	2550	2550	2450
	2600	2600	2600	2500
	2650	2650	2650	2550
	4400	4400	4400	2600
	4600	4600	4600	2650
	6400	6400	6400	4400
	6450	6450	6450	4600
	6600	6600	6600	6400
	6650	6650	6650	6450
	8450	8450	8450	6600
				6650
				8450

Table 4-8. Compatible Dell Systems and Applications for Systems Management CD Versions 3.5 Through 3.8 (continued)

Systems Management CD Version	3.5	3.6	3.7	3.8
Supported operating systems	Microsoft Windows Server 2003	Windows Server 2003 family	Windows Server 2003 family	Windows Server 2003 family (includes Web, Standard, and Enterprise editions) and Microsoft Windows Small Business Server [SBS] 2003
	Windows 2000 Server family (SP3 recommended)	Windows 2000 Server family (SP3 recommended)	Windows 2000 Server family (SP3 recommended)	Windows 2000 Server family (includes Windows 2000 Server, Windows 2000 Advanced Server, and Windows 2000 SBS)
	Novell NetWare 5.1 (SP4 or later)	Novell NetWare 5.1 (SP5 or later)	Novell NetWare 5.1 (Support Pack 6 or later)	Novell NetWare 5.1 (Support Pack 6 or later)
	NetWare 6.0 (SP1 or later)	NetWare 6.5	Novell NetWare 6.5 (Support Pack 1 or later)	Novell NetWare 6.5 (Support Pack 1 or later)
	Red Hat Linux Advanced Server 2.1	Red Hat Enterprise Linux AS version 2.1	Red Hat Enterprise Linux AS and ES versions 2.1 and 3, and WS version 3	Red Hat Enterprise Linux AS version 2.1 and AS, ES, and WS version 3
	Red Hat Linux 9	Red Hat Linux 9	Red Hat Linux 9	NA

Table 4-8. Compatible Dell Systems and Applications for Systems Management CD Versions 3.5 Through 3.8 (continued)

Systems Management CD Version	3.5	3.6	3.7	3.8
Server Administrator	1.5	1.6	1.7	1.8
Managed Node Framework (MNF)	1.5	1.6	1.7	1.8
Instrumentation Service: Server Agent	4.10.0	4.11	4.12	5.1
Diagnostic Service	2.5	2.6	2.7	3.0
Update Service	1.6	1.7	1.8	1.9
Server Administrator Core	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.
IT Assistant	6.4.4	6.5	6.5	6.5
Storage Management Service: Array Manager	3.4	3.5	3.5	3.5

Table 4-8. Compatible Dell Systems and Applications for Systems Management CD Versions 3.5 Through 3.8 (continued)

Systems Management CD Version	3.5	3.6	3.7	3.8
RAC Firmware				
Remote Access Service (RAS)	2.5	3.0	3.10	3.20
RAC firmware: DRAC II	2.5	2.5	2.5	2.5
RAC firmware: DRAC III	2.5	3.0	3.10	3.10
RAC firmware: DRAC III/XT	2.5	3.0	3.10	3.10
RAC firmware: ERA	2.5	3.0	3.10	3.10
RAC firmware: ERA/O	2.5	3.0	3.10	3.10

Table 4-9 shows compatible applications and Dell systems for *Systems Management CD* versions 3.2.3 through 3.4.

Table 4-9. Compatible Dell Systems and Applications for Systems Management CD Versions 3.2.3 Through 3.4

Systems Management CD Version	3.2.3	3.3	3.3.3	3.4
Dell PowerEdge systems	300	300	300	300
(* Indicates new systems for the given version of the CD)	350	350	350	350
	500SC	500SC	500SC	500SC
	600SC	600SC	600SC	600SC
	1300	1300	650*	650
	1400	1400	1300	1300
	1500SC	1500SC	1400	1400
	1550	1550	1500SC	1500SC
	1600SC	1600SC	1550	1550
	1650	1650	1600SC	1600SC
	1655MC*	2300	1650	1650
	2300	2400	1655MC	1655MC
	2400	2450	1750*	1750
	2450	2500	2300	2300
	2500	2550	2400	2400
	2550	2600	2450	2450
	2600	2650	2500	2500
	2650	4300	2550	2550
	4300	4350	2600	2600
	4350	4400	2650	2650
	4400	4600	4300	4300
	4600	6300	4350	4350
	6300	6350	4400	4400
	6350	6400	4600	4600
	6400	6450	6300	6300
	6450	6600	6350	6350
	6600	6650	6400	6400
	6650	8450	6450	6450
	8450		6600	6600
			6650	6650
			8450	8450

Table 4-9. Compatible Dell Systems and Applications for Systems Management CD Versions 3.2.3 Through 3.4 (continued)

Systems Management CD Version	3.2.3	3.3	3.3.3	3.4	
Supported operating systems	Microsoft Windows 2000 Server Family (SP3 recommended)	Microsoft Windows NT® 4.0 Server family (SP6a or later)	Windows NT 4.0 Server family (SP6a or later)	Windows Server 2003	
	NetWare 5.1 (SP2 or later)	Windows 2000 Server family (SP3 recommended)	Windows 2000 Server family (SP3 recommended)	Windows 2000 Server family (SP3 recommended)	
	NetWare 6.0 (SP1 or later)	NetWare 5.1 (SP2 or later)	NetWare 5.1 (SP2 or later)	NetWare 5.1 (SP2 or later)	
	Red Hat Enterprise Linux Advanced Server 2.1	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)	
	Red Hat Linux 7.3 (with the 2.4.18-4smp kernel)	Linux Advanced Server 2.1	Linux Advanced Server 2.1	Linux Advanced Server 2.1	Linux Advanced Server 2.1
			Linux 7.3 (with the 2.4.18-4smp kernel)	Linux 7.3 (with the 2.4.18-4smp kernel)	Linux 8.0 and Linux 9
		Linux 8.0 (with the 2.4.18-14smp kernel)	Linux 8.0 (with the 2.4.18-14smp kernel)		
Server Administrator	1.2.3	1.3	1.3.4	1.4	
Managed Node Framework (MNF)	1.2.3	1.3	1.3	1.4	

Table 4-9. Compatible Dell Systems and Applications for Systems Management CD Versions 3.2.3 Through 3.4 (continued)

Systems Management CD Version	3.2.3	3.3	3.3.3	3.4
Instrumentation Service: Server Agent	4.7.2	4.8	4.8.1	4.9
Remote Access Service (RAS)	1.3.1	2.0	2.1	2.2
RAC firmware: DRAC II	2.5	2.5	2.5	2.5
RAC firmware: DRAC III	1.3	2.0	2.0	2.2
RAC firmware: DRAC III/XT	NA	2.0	2.0	2.2
RAC firmware: ERA	1.2	2.0	2.1	2.2
RAC firmware: ERA/O	1.2	2.0	2.0	2.2
Diagnostic Service	2.2.1	2.3	2.3.1	2.4
Update Service	1.3	1.4	1.4.3	1.5
Server Administrator Core	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.	See "MNF" in this table.
IT Assistant	6.4.2	6.4.3	6.4.3	6.4.4
Storage Management Service: Array Manager	3.3	3.3	3.4	3.4

Table 4-10 shows supported elements for *Systems Management CD* versions 3.0 through 3.2.2.

Table 4-10. Compatible Dell Systems and Applications for Systems Management CD Versions 3.0 Through 3.2.2

Systems Management CD Version	3.0	3.0.1	3.0.2	3.1	3.2	3.2.2
Dell PowerEdge systems	300 350	300 350	300 350	300 350	300 350	300 350
(* Indicates new systems for the given version of the CD)	500SC 1300 1400 1500SC 1550 2300 2400 2450 2500 2550 4300 4350 4400 6300 6350 6400 6450 8450	500SC 1300 1400 1500SC 1550 1650* 2300 2400 2450 2500 2550 4300 4350 4400 4600* 6300 6350 6400 6450 8450	500SC 1300 1400 1500SC 1550 1650 2300 2400 2450 2500 2550 2650* 4300 4350 4400 4600 6300 6350 6400 6450 8450	500SC 1300 1400 1500SC 1550 1650 2300 2400 2450 2500 2550 2650 4300 4350 4400 4600 6300 6350 6400 6450 8450	500SC 600SC* 1300 1400 1500SC 1550 1650 2300 2400 2450 2500 2550 2600* 2650 4300 4350 4400 4600 6300 6350 6400 6450 6600 6650 8450	500SC 600SC 1300 1400 1500SC 1550 1600SC* 1650 2300 2400 2450 2500 2550 2550 2600 2650 4300 4350 4400 4600 6300 6350 6400 6450 6600 6650 8450

Table 4-10. Compatible Dell Systems and Applications for Systems Management CD Versions 3.0 Through 3.2.2 (continued)


Systems Management CD Version	3.0	3.0.1	3.0.2	3.1	3.2	3.2.2
Supported operating systems	Windows NT 4.0 with SP4	Windows NT 4.0 Server family (SP6a or later)	Windows NT 4.0 Server family (SP6a or later)	Windows NT 4.0 Server family (SP6a or later)	Windows NT 4.0 Server family (SP6a or later)	Windows NT 4.0 Server family (SP6a or later)
	Windows 2000 Server family	Windows 2000 Server family (hot fixes rec. for SNMP)	Windows 2000 Server family (hot fixes rec. for SNMP)	Windows 2000 Server family (hot fixes rec. for SNMP)	Windows 2000 Server family (SP3 rec.)	Windows 2000 Server family (SP3 rec.)
	Novell NetWare 4.x, 5.x, or 6.x	Novell NetWare 5.1 (SP2 or later)	Novell NetWare 5.1 (SP2 or later)	Novell NetWare 5.1 (SP2 or later)	Novell NetWare 5.1 (SP2 or later)	Novell NetWare 5.1 (SP2 or later)
	Linux 7.1	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)	NetWare 6.0 (SP1 or later)
	Linux Advanced Server 2.1	Linux 7.1 (with latest ucd-snmp package)	Linux 7.1 (with latest ucd-snmp package)	Linux 7.1 (with latest ucd-snmp package)	Linux Advanced Server 2.1	Linux Advanced Server 2.1
				Linux Advanced Server 2.1	Linux 7.3 (with the 2.4.18-4smp kernel)	Linux 7.3 (with the 2.4.18-4smp kernel)
Server Administrator	1.0	1.0.1	1.0.2	1.1	1.2	1.2.2

Table 4-10. Compatible Dell Systems and Applications for Systems Management CD Versions 3.0 Through 3.2.2 (continued)

Systems Management CD Version	3.0	3.0.1	3.0.2	3.1	3.2	3.2.2
Managed Node Framework	NA	NA	NA	NA	1.2	1.2.2
Instrumentation Service: Server Agent	4.5.1	4.5.1 4.5.2	4.5.1 4.5.2	4.6	NA	1.2.1
Remote Access Service (RAS)	NA	NA	NA	NA	4.7	4.7.1
RAC firmware: DRAC II	2.4.1	2.4.1	2.5	2.5	NA	1.3
RAC firmware: DRAC III	NA	1.1	1.1	1.2	2.5	2.5
RAC firmware: DRAC III/XT	NA	NA	NA	NA	1.3	1.3
RAC firmware: ERA	NA	NA	1.05	1.05	NA	1.0
RAC firmware: ERA/O	NA	NA	NA	1.1	1.07	1.2
Diagnostic Service	2.0	2.0.1	2.0.2	2.1	1.2	1.2
Update Service	1.1	1.1	1.1	1.2	1.2	1.2.1
Server Administrator Core	NA	NA	NA	1.10	1.3	1.3
IT Assistant	6.2	6.2	6.2	6.3	1.2	See "MNF" in this table.
Storage Management Service: Array Manager	3.1.1	3.1.2	3.1.2	3.1.3	3.2	3.3

NOTE: The Systems Management CD versions 3.0 and later do not fully support the following Dell systems: 1300, 2100, 2200, 2300, 4100, 4200, 4300, 4350, 6100, 6300, and 6350.

Device Drivers and Red Hat Enterprise Linux Kernel Support

 **NOTE:** The "Supported Operating Systems" section of Table 4-9 and Table 4-10 includes Red Hat Enterprise Linux kernel versions. Updated or later versions of Red Hat Enterprise Linux may require the use of dynamic kernel support (see *Dell OpenManage Installation and Security User's Guide* for an explanation of this feature).

The Instrumentation Service provides device drivers for the precompiled kernels listed in Table 4-9 and Table 4-10. When the Instrumentation Service detects that none of its prebuilt device drivers supports the running kernel, it attempts to build a device driver for that kernel. This feature of Server Administrator is called dynamic kernel support. Server Administrator's dynamic kernel support builds a device driver when needed during the Instrumentation Service installation or start-up.

Server Agent Supported Applications and Systems

This section provides information on instrumentation, applications, and systems that are supported by *Dell OpenManage Applications* CD versions 2.0 through 2.2. The Dell™ OpenManage™ Server Agent was supported concurrently with the Dell OpenManage Hardware Instrumentation Package (HIP) by the *Applications* CD versions 1.3 through 1.7.

For more information about applications and systems supported by HIP, see "Hardware Instrumentation Package Supported Applications and Systems."

For more information about Server Administrator supported applications and systems, see "Dell OpenManage Supported Applications and Systems."



NOTE: The *Applications* CD version 2.0.1 and later does not fully support the following Dell PowerEdge™ systems: 1300, 2100, 2200, 2300, 4100, 4200, 4300, 4350, 6100, 6300, and 6350.

Table 5-1 shows compatible applications and Dell PowerEdge systems for each *Applications* CD, versions 2.0 through 2.2.

Table 5-1. Server Agent Versions, Applications, and Dell Systems

Applications CD Version	2.0	2.0.1	2.0.2	2.1	2.2
Dell	300	300SC	350	300	300
PowerEdge	350	350	500SC*	350	350
systems	1300	1400SC	1550	500SC	500SC
(* indicates	1400	1550		1300	1300
new systems	1550	2400		1400	1400
for the given	2300	2450		1550	1500SC*
version of	2400	2500		2300	1550
the CD)	2450	2500SC		2400	2300
	2500*	2550		2450	2400
	2550*	4400		2500	2450
	4300	6400		2550	2500
	4350	6450		4300	2550
	4400	8450		4350	4300
	6300			4400	4350
	6350			6300	4400
	6400			6350	6300
	6450			6400	6350
	8450			6450	6400
				8450	6450
					8450
Supported operating systems	Microsoft® Windows NT® 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP 4 or later	Windows NT 4.0 with SP4 or later
	Windows® 2000 Server family	Windows 2000 Server family	Windows 2000 Server family	Windows 2000 Server family	Windows 2000 Server family
	Novell® NetWare® 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x
	Red Hat® Linux 7.0 (kernel version: 2.2.16)	Linux 7.0 (kernel version: 2.2.16)	Linux 7.0 (kernel version: 2.2.16)	Linux 7.0	Linux 7.0

Table 5-1. Server Agent Versions, Applications, and Dell Systems (continued)

Applications CD Version	2.0	2.0.1	2.0.2	2.1	2.2
Instrumentation Service: Server Agent	4.3	4.3	4.4	4.4.1	4.5
Remote Access Service: DRAC II	2.3.2	2.3.3	2.3.3	2.4	2.4
Remote Access Service: DRAC III	NA	NA	NA	NA	NA
Online Diagnostics	1.1	1.1	1.1	1.1.1	1.1.2
IT Assistant	6.0	6.0	6.0	6.0	6.0
Storage Management Service: Array Manager	2.7	3.0	3.0	3.0	3.1

Hardware Instrumentation Package Supported Applications and Systems

This section provides information about instrumentation, applications, and systems that are supported by the *Dell OpenManage Applications CD* versions 1.1 through 1.7. Both the Dell™ OpenManage™ Hardware Instrumentation Package (HIP) and the Dell OpenManage Server Agent are supported by the *Applications CD* versions 1.3 through 1.7.

For more information about applications and systems supported by Server Agent, see "Server Agent Supported Applications and Systems."

Table 6-1 shows compatible applications and Dell PowerEdge™ systems for the *Applications CD* versions 1.1 through 1.7.

Table 6-1. HIP Versions, Applications, and Dell PowerEdge Systems

<i>Applications CD Version</i>	1.1	1.2	1.3	1.4	1.5	1.6	1.7
PowerEdge systems	1300	1300	1300	1300	1300	300*	300
(* Indicates new systems for the given version of the CD)	2100	2100	2100	2100	1400*	1300	350*
	2200	2200	2200	2200	2100	1400	1300
	2300	2300	2300	2300	2200	1550*	1400
	2400	2400	2400	2400	2300	2300	1550
	2450	2450	2450	2450	2400	2400	2300
	4100	4100	4100	4100	2450	2450	2400
	4200	4200	4200	4200	4100	4300	2450
	4300	4300	4300	4300	4200	4350	4300
	4350	4350	4350	4350	4300	4400	4350
	4400	4400	4400	4400	4350	6300	4400
	6100	6100	6100	6100	4400	6350	6300
	6300	6300	6300	6300	6100	6400	6350
	6350	6350	6350	6350	6300	6450	6400
	6400	6400	6400	6400	6350	8450	6450
	6450	6450	6450	6450	6400		8450
	8450	8450	8450	8450	6450		
					8450		

Table 6-1. HIP Versions, Applications, and Dell PowerEdge Systems (continued)

Applications CD Version	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Supported operating systems	Microsoft® Windows NT® 4.0 with SP3 or later	Windows NT 4.0 with SP3 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later	Windows NT 4.0 with SP4 or later
			Windows® 2000 Server family	Windows 2000 Server family	Windows 2000 Server family	Windows 2000 Server family	Windows 2000 Server family
	Novell® NetWare® 4.11 with SP5 or later	Novell NetWare 4.11 with SP5 or later					
	NetWare 5.0	NetWare 5.0	NetWare 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x	NetWare 4.x or 5.x
Instrumentation Service: HIP	3.5.2	3.5.2	3.5.2	3.5.2	3.5.2	3.5.2	3.5.2
Instrumentation Service: Server Agent	NA	NA	4.0	4.0	4.0	4.2.1	4.2.2
Remote Access Service: DRAC II	2.2.1	2.2.1	2.3	2.3	2.3	2.3.1	2.3.1
Online Diagnostics	NA	NA	NA	NA	NA	NA	1.0
IT Assistant	5.1	5.1	5.1	5.2	6.0	6.0	6.0
Storage Management Service: Array Manager	1.5	1.5	2.0	2.0	2.5	2.5	2.7

BIOS Update Requirements

Overview

Prior to Dell OpenManage 4.3, Server Administrator Update Service provided the ability to update system BIOS remotely from within the Server Administrator GUI. The Update Service also provided interfaces for updating many firmware and driver packages. The remote BIOS update capability did not require that you be logged in directly to the system whose BIOS you were updating. If the target system had the minimum required BIOS version installed, you could update the BIOS to the latest version *remotely*. The purpose of this section is to help you to identify the minimum prerequisite BIOS version to update to the latest available BIOS for each supported Dell™ PowerEdge™ system. You can use this method of BIOS update only if you are running *Dell OpenManage™ Systems Management CD* version 4.2 or earlier.



NOTE: Starting with Dell OpenManage version 4.3, the *Systems Management CD* has been replaced by the *Dell PowerEdge Installation and Server Management CD*. References in this guide to the *Systems Management CD* are for Dell OpenManage versions 3.0 through 4.2.



NOTE: Starting with Dell OpenManage version 4.3, you can update your system's BIOS, drivers, and firmware from the *Dell PowerEdge Server Update Utility CD* or the *Dell Server Updates DVD* or from the Dell Support website at support.dell.com.

Minimum Requirements for BIOS Update Support

This section lists the minimum BIOS requirements for upgrading to the latest BIOS version available for each Dell PowerEdge system supported by Server Administrator. You can download the latest BIOS versions from the Dell Support website at support.dell.com.

To locate the BIOS update files that you want, perform the steps in the following subsections.

Downloading the Latest BIOS Packages

- 1 Go to the Dell Support website at support.dell.com.
- 2 Click **I'm looking for drivers and downloads**.
- 3 Specify your system either by entering your Service Tag or by selecting the product model. Click **Go** or **Confirm**.
- 4 Expand **Bios** and click **Download Now**.
The **File Download** window appears.
- 5 Specify where you want to save your FlashBIOS file and click **OK**.
A download complete pop-up window appears.
- 6 Follow the installation instructions (appropriate for your file format) that appear on the **Download and Install** page.

Minimum Required and Latest Available BIOS for Update by System

Table 7-1 lists the minimum version of the BIOS that must be installed on each system for the latest FlashBIOS package to be applied by remote update. For the latest available BIOS version for each system that Server Administrator supports, see the *Dell PowerEdge Server Update Utility* CD or the *Dell Server Updates* DVD.

Table 7-1. PowerEdge Systems and Minimum BIOS Versions Required for Remote Flash Update

PowerEdge System	Minimum BIOS Required for Remote Flash Update
300	A00
350	BIOS update is not supported for PowerEdge 350 systems.
500SC	A05
600SC	A00
650	A01
700	A00

Table 7-1. PowerEdge Systems and Minimum BIOS Versions Required for Remote Flash Update (continued)

PowerEdge System	Minimum BIOS Required for Remote Flash Update
750	A00
800	A00
1300	A04
1400/1400SC	A00
1500SC	A04
1550	A01
1600SC	A00
1650	A05
1655MC	A00
1750	A05
1800	A00
1850	A00
1855	A00
2300	A09
2400	A01
2450	A02
2500/2500SC	A00
2550	A06
2600	A01
2650	A00
4300	A06
4350	A03
4400	A04
4600	A00

Table 7-1. PowerEdge Systems and Minimum BIOS Versions Required for Remote Flash Update (continued)

PowerEdge System	Minimum BIOS Required for Remote Flash Update
6300	A08
6350	A08
6400	A01
6450	A01
6600	A08
6650	A08
8450	A06

RAID Controller Supported Servers, Operating Systems, Firmware, and Driver Versions

Overview

Starting with Dell™ OpenManage™ Server Administrator version 5.0, only the enhanced Storage Management Service will be supported. The Storage Management Service allows you to configure and manage your storage devices from within Server Administrator.



NOTE: Support for SUSE® Linux Enterprise Server (versions 9) operating system is removed in Dell OpenManage version 6.0.1.



NOTE: The Storage Management Service mentioned in this guide refers to the enhanced Storage Management Service. Server Administrator no longer supports the basic Storage Management Service (also known as Array Manager).



NOTE: See Table 1-1 for information on where you can find the systems management software.

Most versions of the systems management CD support management of RAID controllers in the form of PERC cards, and some systems management releases also support CERC IDE and SATA controllers. System administrators responsible for monitoring the compatibility of their systems' storage devices need a clear matrix that shows the elements that are compatible with a particular storage controller. Each storage controller version in turn supports a specific array of elements, including:

- Version of the Storage Management Service
- Dell system
- Firmware version number required for a particular controller
- Supported operating systems, where each operating system requires a specific driver

For more information on Storage Management Services see the *Dell OpenManage Server Administrator User's Guide* and the *Dell OpenManage Storage Management User's Guide*. To access these documents, go to support.dell.com/manuals and select your product, or use the direct link on the *Dell Systems Management Tools and Documentation DVD*.

Five types of controllers are included in this section:

- The RAID controller card group contains the following controllers: PERC 3/DC, PERC 3/SC, PERC 3/QC, PERC 4/SC, PERC 4/DC, PERC 4e/DC, PERC 5/E, PERC 5/i Adapter, PERC 5/i Integrated, SAS 5/iR Adapter, SAS 6/iR Integrated, PERC 6/E, PERC 6/i Adapter, PERC 6/i Integrated, SAS 6/iR Adapter, CERC 6/i Integrated, CERC ATA 100/4 Channel, and CERC SATA 1.5/6 Channel.
- The RAID on motherboard (ROMB) group includes the following controllers: PERC 3/Di, PERC 4/Di, PERC 4e/Di, PERC 4e/Si, CERC SATA 1.5/2S, and SAS 5/iR Integrated.
- The internal mirroring group, provided through the system BIOS, includes the PERC 4/IM controller.
- The LSI 1020/1030 embedded SCSI controller.
- The SAS 5/i Integrated and SAS 5/E controller.



NOTE: The firmware and drivers listed in this section refer to the minimum supported version as of the publication date of this document. Later versions of the firmware and drivers may also be supported or required. For the most recent driver and firmware requirements, see the Dell Support website at support.dell.com/manuals for the Storage Management Service.

Key to Table Footnotes

Some drivers in the following tables are marked with an asterisk. You can refer to the following paragraph for more information:

Linux Driver Included in RPM*

The 1.1.4 Linux driver is included in RPM 2302 (Red Hat® Package Manager 2302).

PERC 4/DC

The PERC 4/DC supports the following Dell PowerEdge™ systems: 650, 750, 800, 1650, 1750, 1800, 1850, 2500, 2550, 2600, 2650, 2800, 2850, 4400, 4600, 6400, 6450, 6600, 6650, 6800, 6850, and 8450.

The PERC 4/DC supports the following Dell PowerVault systems: PV745N, PV770N, and PV775N.

Table 8-1 shows the other elements supported by the PERC 4/DC.

Table 8-1. Storage Management Service Supported Elements: PERC 4/DC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Microsoft® Windows® 2000 Driver	Windows Server® 2003 Driver	Red Hat Enterprise Linux® 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE® Linux Enterprise Server (versions 10 and 11)
1.1	4.3	3500	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	351Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	351X (32-bit) 351S (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.1	5.1	351X (32-bit) 351S (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.2	5.2	351S (64-bit)	NA	6.46.3.64	NA	NA	NA	NA
2.3	5.3	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.4	5.4	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Table 8-1. Storage Management Service Supported Elements: PERC 4/DC (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Microsoft® Windows® 2000 Driver	Windows Server® 2003 Driver	Red Hat Enterprise Linux® 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE® Linux Enterprise Server (versions 10 and 11)
3.0	5.5	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0.2	6.0.1	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.1	6.1	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

PERC 4e/DC

The PERC 4e/DC supports the following Dell PowerEdge systems: 830, 850, 1800, 1850, 1900, 1950, 2800, 2850, 2900, 2950, 2970, 6800, and 6850.

Table 8-2 shows the other elements supported by the PERC 4e/DC.

Table 8-2. Storage Management Service Supported Elements: PERC 4/e DC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008 Driver
1.1	4.3	513T	5.46	6.41.2.32	NA
1.2	4.4	521Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA
2.0	5.0	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA

Table 8-2. Storage Management Service Supported Elements: PERC 4/e DC (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008 Driver
2.1	5.1	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA
2.2	5.2	522A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA
2.3	5.3	5A2D	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native
2.4	5.4	5A2D	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native
3.0	5.5	5B2D	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native
3.0.2	6.0.1	5B2D	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native
3.1	6.1	5B2D	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native

Table 8-3. Storage Management Service Supported Elements: PERC 4/e DC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	513T	2.10.7	NA	NA	NA
1.2	4.4	521Q	2.10.7	2.20.4.4	NA	NA
2.0	5.0	521X	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.1	5.1	521X	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.2	5.2	522A	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.3	5.3	5A2D	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.4	5.4	5A2D	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.0	5.5	5B2D	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.0.2	6.0.1	5B2D	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.1	6.1	5B2D	2.10.10.1	2.20.4.4	NA	2.20.4.7

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 3/DC

The PERC 3/DC supports the following Dell PowerEdge systems: 1550, 1650, 1750, 2400, 2450, 2500, 2550, 2600, 2650, 4400, 4600, 6400, 6450, 6600, 6650, 7150, and 8450.

The PERC 3/DC supports the following Dell PowerVault systems: PV735N, PV750N, PV755N, PV770N, and PV775N.

Table 8-4 shows the other elements supported by the PERC 3/DC.

Table 8-4. Storage Management Service Supported Elements: PERC 3/DC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	1970	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	198Q	5.48	6.46.2.32 (32-bit) 6.41.2.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.1	5.1	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.2	5.2	199A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA

Table 8-4. Storage Management Service Supported Elements: PERC 3/DC (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3	5.3	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.4	5.4	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0	5.5	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0.2	6.0.1	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.1	6.1	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 3/QC

The PERC 3/QC supports the following Dell PowerEdge systems: 2400, 2450, 2500, 2550, 2600, 2650, 4400, 4600, 6400, 6450, 6600, 6650, 7150, and 8450.

The PERC 3/QC supports the following Dell PowerVault systems: PV735N, PV750N, PV755N, PV770N, and PV775N.

Table 8-5 shows the other elements supported by the PERC 3/QC.

Table 8-5. Storage Management Service Supported Elements: PERC 3/QC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	1970	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	198Q	5.48	6.46.2.32 (32-bit) 6.41.2.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.1	5.1	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.2	5.2	199A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA
2.3	5.3	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Table 8-5. Storage Management Service Supported Elements: PERC 3/QC (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.4	5.4	199D	5.48	6.46.2.32(32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0	5.5	199D	5.48	6.46.2.32(32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0.2	6.0.1	199D	5.48	6.46.2.32(32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.1	6.1	199D	5.48	6.46.2.32(32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

PERC 4/Di

The PERC 4/Di supports the following Dell PowerEdge systems: 1750 and 2600.

Table 8-6 shows the other elements supported by the PERC 4/Di.

Table 8-6. Storage Management Service Supported Elements: PERC 4/Di

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1 on a PowerEdge™ 1750	4.3	4130	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.1 on a PowerEdge 2600	4.3	2.500	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2 on a PowerEdge 1750	4.4	421Q	5.48	6.46.2.32 (32-bit) 6.41.2.32 (64-bit)	2.10.7	2.20.4.4	NA	NA
1.2 on a PowerEdge 2600	4.4	251Q	5.48	6.46.2.32 (32-bit) 6.41.2.32 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0 on a PowerEdge 1750	5.0	421W	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.0 on a PowerEdge 2600	5.0	251X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.1 on a PowerEdge 1750	5.1	421W	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Table 8-6. Storage Management Service Supported Elements: PERC 4/Di (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.1 on a PowerEdge 2600	5.1	251X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.2 on a PowerEdge 2600	5.2	252A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA
2.2 on a PowerEdge 1750	5.2	422A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA
2.3 on a PowerEdge 2600	5.3	252D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.3 on a PowerEdge 1750	5.3	422D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.4 on a PowerEdge 2600	5.4	252D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.4 on a PowerEdge 1750	5.4	422D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0 on a PowerEdge 2600	5.5	252D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Table 8-6. Storage Management Service Supported Elements: PERC 4/Di (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0 on a PowerEdge 1750	5.5	422D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0.2	6.0.1	422D	NA	NA	NA	NA	NA	NA
3.1	6.1	422D	NA	NA	NA	NA	NA	NA

CERC ATA 100 4/CH

The CERC ATA 100 4/CH supports the following Dell PowerEdge systems: 400, 500SC, 600SC, 650, 1400SC, and 1600SC.

The CERC ATA 100 4/CH supports the following Dell PowerVault system: PV725N.

Table 8-7 shows the other elements supported by the CERC ATA 100 4/CH.

Table 8-7. Storage Management Service Supported Elements: CERC ATA 100 4/CH

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	6.62	5.46	6.41.2.32	Native	NA	NA	NA
1.2	4.4	6.62	5.46	6.41.2.32	2.10.1	2.10.1	NA	NA
2.0	5.0	6.62	5.46	6.41.2.32	2.10.1	2.10.1	NA	NA
2.1	5.1	6.62	5.46	6.41.2.32	2.10.1	2.10.1	NA	NA
2.2	5.2	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA
2.3	5.3	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA
2.4	5.4	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA

Table 8-7. Storage Management Service Supported Elements: CERC ATA 100 4/CH (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0	5.5	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA
3.0.2	6.0.1	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA
3.1	6.1	6.62	NA	6.41.2.32	NA	2.10.1	NA	NA

PERC 3/Di

The PERC 3/Di supports the following Dell PowerEdge systems: 1650, 2500, 2550, 2650, 4400, and 4600.

Table 8-8 and Table 8-9 show the other elements supported by the PERC 3/Di.

Table 8-8. Storage Management Service Supported Elements: PERC 3/Di

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server® 2003 Driver	Windows Server 2008
1.1 on a PowerEdge 1650	4.3	2.8.0.6092	2.8.0.6085	2.8.0.6085	NA
1.1 on a PowerEdge 2650	4.3	2.8.0.6092	2.8.0.6085*	2.8.0.6085*	NA
1.1 on a PowerEdge 4600	4.3	2.8.0.6092	2.8.0.6085*	2.8.0.6085*	NA
1.2 on a PowerEdge 1650	4.4	2.8.0.6092	2.8.0.6085*	2.8.0.6085	NA
1.2 on a PowerEdge 2650	4.4	2.8.0.6092	2.8.0.6085*	2.8.0.6085*	NA
1.2 on a PowerEdge 4600	4.4	2.8.0.6092	2.8.0.6085*	2.8.0.6085*	NA
2.0 on a PowerEdge 1650	5.0	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA

Table 8-8. Storage Management Service Supported Elements: PERC 3/Di (continued)

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server® 2003 Driver	Windows Server 2008
2.0 on a PowerEdge 2650	5.0	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA
2.0 on a PowerEdge 4600	5.0	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA
2.1 on a PowerEdge 1650	5.1	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA
2.1 on a PowerEdge 2650	5.1	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA
2.1 on a PowerEdge 4600	5.1	2.8.1-6098	2.8.0.6085*	2.8.0.6085*	NA
2.2 on a PowerEdge 1650	5.2	2.8.1-6098	NA	2.8.0.6084	NA
2.2 on a PowerEdge 2650	5.2	2.8.1-6098	NA	2.8.0.6084	NA
2.2 on a PowerEdge 4600	5.2	2.8.1-6098	NA	2.8.0.6084	NA
2.3 on a PowerEdge 1650	5.3	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
2.3 on a PowerEdge 2650	5.3	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
2.3 on a PowerEdge 4600	5.3	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
2.4 on a PowerEdge 1650	5.4	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
2.4 on a PowerEdge 2650	5.4	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
2.4 on a PowerEdge 4600	5.4	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
3.0	5.5	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
3.0.2	6.0.1	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691
3.1	6.1	2.8.1-7692	NA	2.8.0.6084	2.8.1.7691

* The 1.1.4 Linux driver is included in the Red Hat Package Manager (RPM) 2302.

Table 8-9. Storage Management Service Supported Elements: PERC 3/Di

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1 on a PowerEdge 1650	4.3	2.8.0.6092	1.1.4*	NA	NA	NA
1.1 on a PowerEdge 2650	4.3	2.8.0.6092	1.1.4*	NA	NA	NA
1.1 on a PowerEdge 4600	4.3	2.8.0.6092	1.1.4*	NA	NA	NA
1.2 on a PowerEdge 1650	4.4	2.8.0.6092	1.1.4*	1.1.5.2372	NA	NA
1.2 on a PowerEdge 2650	4.4	2.8.0.6092	1.1.4*	1.1.5.2372	NA	NA
1.2 on a PowerEdge 4600	4.4	2.8.0.6092	1.1.4*	1.1.5.2372	NA	NA
2.0 on a PowerEdge 1650	5.0	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.0 on a PowerEdge 2650	5.0	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.0 on a PowerEdge 4600	5.0	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.1 on a PowerEdge 1650	5.1	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.1 on a PowerEdge 2650	5.1	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.1 on a PowerEdge 4600	5.1	2.8.1-6098	1.1.4*	1.1.5.2392	NA	NA
2.2 on a PowerEdge 1650	5.2	2.8.1-6098	NA	1.1.5.2372.1	NA	NA
2.2 on a PowerEdge 2650	5.2	2.8.1-6098	NA	1.1.5.2372.1	NA	NA
2.2 on a PowerEdge 4600	5.2	2.8.1-6098	NA	1.1.5.2372.1	NA	NA

Table 8-9. Storage Management Service Supported Elements: PERC 3/Di (continued)

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3 on a PowerEdge 1650	5.3	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
2.3 on a PowerEdge 2650	5.3	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
2.3 on a PowerEdge 4600	5.3	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
2.4 on a PowerEdge 1650	5.4	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
2.4 on a PowerEdge 2650	5.4	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
2.4 on a PowerEdge 4600	5.4	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
3.0	5.5	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
3.0.2	6.0.1	2.8.1-7692	NA	1.1.5.2372.1	NA	NA
3.1	6.1	2.8.1-7692	NA	1.1.5.2372.1	NA	NA

* The 1.1.4 Linux driver is included in the Red Hat Package Manager (RPM) 2302.

PERC 4/IM

The PERC 4/IM supports the following Dell PowerEdge systems: 1655MC and 1855.

Table 8-10 and Table 8-11 show the other elements supported by the PERC 4/IM.

Table 8-10. Storage Management Service Supported Elements: PERC 4/IM

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
1.1 on PowerEdge 1655MC	4.3	1.00.12.00 1.00.0c.00 Hex	1.08.06	1.08.18 (Native)	NA
1.0.1 on PowerEdge 1855	4.1.4	1.03.23.90	1.09.11	1.09.11	NA
1.2 on PowerEdge 1655MC	4.4	1.00.12.00 1.00.0c.00 Hex	1.08.06	1.08.18 (Native)	NA
1.2 on PowerEdge 1855	4.4	1.03.23.90	1.09.11	1.09.11	NA
2.0 on PowerEdge 1655MC	5.0	1.03.23.90	1.08.06	Native	NA
2.0 on PowerEdge 1855	5.0	1.03.23.90	1.09.11	1.09.11	NA
2.1 on PowerEdge 1655MC	5.1	1.03.23.90	1.08.06	Native	NA
2.1 on PowerEdge 1855	5.1	1.03.23.90	1.09.11	1.09.11	NA
2.2 on PowerEdge 1655MC	5.2	1.03.23.90	NA	Native	NA
2.2 on PowerEdge 1855	5.2	1.03.23.90	NA	1.09.11	NA
2.3 on PowerEdge 1655MC	5.3	1.00.12.00	1.08.06	Native	NA
2.3 on PowerEdge 1855	5.3	1.03.23.90	1.09.11	1.09.11	Native
2.4 on PowerEdge 1655MC	5.4	1.00.12.00	1.08.06	Native	NA

Table 8-10. Storage Management Service Supported Elements: PERC 4/IM (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.4 on PowerEdge 1855	5.4	1.03.23.90	1.09.11	1.09.11	Native
3.0 on PowerEdge 1655MC	5.5	1.00.12.00	1.08.06	Native	NA
3.0 on PowerEdge 1855	5.5	1.03.23.90	1.09.11	1.09.11	Native
3.0.2	6.0.2	1.03.23.90	NA	NA	NA
3.1	6.1	1.03.23.90	NA	NA	NA

Table 8-11. Storage Management Service Supported Elements: PERC 4/IM

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1 on PowerEdge 1655MC	4.3	1.00.12.00 1.00.0c.00 Hex	NA	NA	NA	NA
1.0.1 on PowerEdge 1855	4.1.4	1.03.23.90	Native	NA	NA	NA
1.2 on PowerEdge 1655MC	4.4	1.00.12.00 1.00.0c.00 Hex	NA	NA	NA	NA
1.2 on PowerEdge 1855	4.4	1.03.23.90	Native	Native	NA	NA
2.0 on PowerEdge 1655MC	5.0	1.03.23.90	NA	NA	NA	NA
2.0 on PowerEdge 1855	5.0	1.03.23.90	Native	Native	NA	NA

Table 8-11. Storage Management Service Supported Elements: PERC 4/IM (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.1 on PowerEdge 1655MC	5.1	1.03.23.90	NA	NA	NA	NA
2.1 on PowerEdge 1855	5.1	1.03.23.90	Native	Native	NA	NA
2.2 on PowerEdge 1655MC	5.2	1.03.23.90	NA	NA	NA	NA
2.2 on PowerEdge 1855	5.2	1.03.23.90	NA	Native	NA	NA
2.3 on PowerEdge 1655MC	5.3	1.00.12.00	NA	NA	NA	NA
2.3 on PowerEdge 1855	5.3	1.03.23.90	2.05.16	Native	NA	NA
2.4 on PowerEdge 1655MC	5.4	1.00.12.00	NA	NA	NA	NA
2.4 on PowerEdge 1855	5.4	1.03.23.90	2.05.16	Native	NA	NA
3.0 on PowerEdge 1655MC	5.5	1.00.12.00	NA	NA	NA	NA
3.0 on PowerEdge 1855	5.5	1.03.23.90	2.05.16	Native	NA	NA
3.0.2	6.0.1	1.03.23.90	NA	NA	NA	NA
3.1	6.1	1.03.23.90	NA	NA	NA	NA

PERC 4/SC

The PERC 4/SC supports the following Dell PowerEdge systems: 500SC, 600SC, 650, 700, 750, 800, 830, 850, 1400SC, 1500SC, 1600SC, 1800, and 1850.

Table 8-12 shows the other elements supported by the PERC 4/SC.

Table 8-12. Storage Management Service Supported Elements: PERC 4/SC

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	3500	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	351Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	351X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.1	5.1	351X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.2	5.2	352B	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA
2.3	5.3	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.4	5.4	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

Table 8-12. Storage Management Service Supported Elements: PERC 4/SC (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0	5.5	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.0.2	6.0.1	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
3.1	6.1	352D (64-bit)	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA

CERC SATA 1.5/6 Channel

The CERC SATA 1.5/6 Channel supports the following Dell PowerEdge systems: 700, 750, 800, 830, 850, 1420SC, and 1800.

The CERC SATA 1.5/6 Channel supports the following Dell PowerVault system: PV745N.

Table 8-13 and Table 8-14 show the other elements supported by the CERC SATA 1.5/6 Channel.

**Table 8-13. Storage Management Service Supported Elements:
CERC SATA 1.5/6 Channel**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
1.1	4.3	4.1.0-7403	4.1.0-7010	4.1.0-7010	NA
1.2	4.4	4.1.0.7406	4.1.0.7010	4.1.0.7010 (32-bit) 4.1.1.7035 (64-bit)	NA
2.0	5.0	4.1.0.7417	4.1.0.7010	4.1.0.7010 (32-bit) 4.1.1.7038 (64-bit)	NA
2.1	5.1	4.1.0.7417	4.1.0.7010	4.1.0.7010 (32-bit) 4.1.1.7038 (64-bit)	NA
2.2	5.2	4.1.0.7417	NA	4.1.0.7010 (32-bit) 4.1.1.7038 (64-bit)	NA
2.3	5.3	4.1.0.7419	4.1.1.7040	4.1.1.7040	4.1.1.7040
2.4	5.4	4.1.0.7419	4.1.1.7040	4.1.1.7043	4.1.1.7040
3.0	5.5	4.1.0.7419	4.1.1.7040	4.1.1.7043	4.1.1.7040
3.0.2	6.0.1	4.1.0.7419	4.1.1.7040	4.1.1.7043	4.1.1.7040
3.1	6.1	4.1.0.7419	4.1.1.7040	4.1.1.7043	4.1.1.7040

* The 1.1.4 Linux driver is included in the Red Hat Package Manager (RPM) 2302.

**Table 8-14. Storage Management Service Supported Elements:
CERC SATA 1.5/6 Channel**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	4.1.0-7403	1.1.4*	NA	NA	NA
1.2	4.4	4.1.0.7406	1.1.4*	NA	NA	NA
2.0	5.0	4.1.0.7417	1.1.4*	1.1.5-2372	NA	NA
2.1	5.1	4.1.0.7417	1.1.4*	1.1.5-2372	NA	NA
2.2	5.2	4.1.0.7417	NA	1.1.5-2392	NA	NA
2.3	5.3	4.1.0.7419	NA	1.1.5-2392	NA	NA
2.4	5.4	4.1.0.7419	NA	1.1.5-2392	NA	NA
3.0	5.5	4.1.0.7419	NA	1.1.5-2392	NA	NA
3.0.2	6.0.1	4.1.0.7419	NA	1.1.5-2392	NA	NA
3.1	6.1	4.1.0.7419	NA	1.1.5-2392	NA	NA

* The 1.1.4 Linux driver is included in the Red Hat Package Manager (RPM) 2302.

PERC 4e/Di

The PERC 4e/Di supports the following Dell PowerEdge systems: 2800, 2850, 6800, and 6850.

Table 8-15 shows the other elements supported by the PERC 4e/Di.

Table 8-15. Storage Management Service Supported Elements: PERC 4e/Di

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	5130	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	521Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.1	5.1	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.2	5.2	522A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	2.20.4.7
2.3 on PowerEdge 2850	5.3	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.3 on PowerEdge 6850	5.3	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7

Table 8-15. Storage Management Service Supported Elements: PERC 4e/Di (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.4 on PowerEdge 2850	5.4	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
2.4 on PowerEdge 6850	5.4	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.0 on PowerEdge 2850	5.5	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.0 on PowerEdge 6850	5.5	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.0.2	6.0.1	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7
3.1	6.1	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	2.20.4.7

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 4e/Si

The PERC 4e/Si supports the following Dell PowerEdge system: 1850.

Table 8-16 show the other elements supported by the PERC 4e/Si.

Table 8-16. Storage Management Service Supported Elements: PERC 4e/Si

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	5130	5.46	6.41.2.32	2.10.7	NA	NA	NA
1.2	4.4	521Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.7	2.20.4.4	NA	NA
2.0	5.0	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.1	5.1	521X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	NA
2.2	5.2	522A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA	2.20.4.4	NA	NA
2.3	5.3	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	Native
2.4	5.4	5A2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	Native
3.0	5.5	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	Native

Table 8-16. Storage Management Service Supported Elements: PERC 4e/Si (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0.2	6.0.1	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	Native
3.1	6.1	5B2D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1	2.20.4.4	NA	Native


Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 5/E Adapter

The PERC 5/E Adapter supports the following Dell PowerEdge systems: 840, 860, 1850, 1900, 1950, 2850, 2900, 2950, 2970, 6800, 6850, 6950, and R805.

The PERC 5/E Adapter supports the following Dell PowerVault systems: PowerVault 100, PowerVault 500, PowerVault 600, and PowerVault DL2000.

Table 8-17 and Table 8-18 show the other elements supported by the PERC 5/E Adapter.

 **NOTE:** The RAID cards support both 32- and 64-bit versions of Red Hat Enterprise Linux operating systems and only 64-bit versions of the SUSE Linux Enterprise Server operating systems. However, ia64 versions of any operating system are not supported.

**Table 8-17. Storage Management Service Supported Elements:
PERC 5/E Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
1.4	4.5.1	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.0	5.0	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.1	5.1	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.2	5.2	5.1.1	2.8.0.32	2.8.0.32 (32-bit) 2.8.0.64 (64-bit)	NA
2.3	5.3	5.2.1-0066	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	NA
2.4	5.4	5.2.1-0066	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	Native
3.0	5.5	5.2.2-0072	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.0.2	6.0.1	5.2.2-0076	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.1	6.1	5.2.2-0076	2.14.0.32	2.24.0.32 Dell A07 (32-bit) 2.24.0.64 Dell A07 (64-bit)	2.24.0.32 Dell A03 (32-bit) 2.24.0.64 Dell A03 (64-bit)

**Table 8-18. Storage Management Service Supported Elements:
PERC 5/E Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.1	5.1	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.2	5.2	5.1.1	NA	00.00.03.06	00.00.03.06	00.00.03.06

**Table 8-18. Storage Management Service Supported Elements:
PERC 5/E Adapter (continued)**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3	5.3	5.2.1-0066	NA	00.00.03.13	00.00.03.13	00.00.03.13
2.4	5.4	5.2.1-0066	NA	00.00.03.13	00.00.03.16	00.00.03.16
3.0	5.5	5.2.2-0072	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.0.2	6.0.1	5.2.2-0076	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	5.2.2-0076	NA	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 5/i Adapter

The PERC 5/i Adapter supports the following Dell PowerEdge systems: 840, 6850, 6950, and 1430SC.

The PERC 5/i Adapter supports the following Dell PowerVault system: PowerVault 100.

Table 8-19 and Table 8-20 show the other elements supported by the PERC 5/i Adapter.

**Table 8-19. Storage Management Service Supported Elements:
PERC 5/i Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008 Driver
2.0	5.0	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.1	5.1	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.2	5.2	5.1.1	2.8.0.32	2.8.0.32 (32-bit) 2.8.0.64 (64-bit)	NA
2.3	5.3	5.2.1-0066	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	NA
2.4	5.4	5.2.1-0066	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	Native
3.0	5.5	5.2.2-0072	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.0.2	6.0.1	5.2.2-0072	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.1	6.1	5.2.2-0072	2.14.0.32	2.24.0.32 Dell A07 (32-bit) 2.24.0.64 Dell A07 (64-bit)	2.24.0.32 Dell A03 (32-bit) 2.24.0.64 Dell A03 (64-bit)

Table 8-20. Storage Management Service Supported Elements: PERC 5/i Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.1	5.1	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.2	5.2	5.1.1	NA	00.00.03.06	00.00.03.06	00.00.03.06
2.3	5.3	5.2.1-0066	NA	00.00.03.16	00.00.03.16	00.00.03.16
2.4	5.4	5.2.1-0066	NA	00.00.03.16	00.00.03.16	00.00.03.16
3.0	5.5	5.2.2-0072	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.0.2	6.0.1	5.2.2-0072	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	5.2.2-0072	NA	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 5/i Integrated

The PERC 5/i Integrated supports the following Dell PowerEdge systems: 1900, 1950, 2900, 2950, and 2970.

The PERC 5/i Integrated supports the following Dell PowerVault system: PowerVault NX1950.

Table 8-21 and Table 8-22 show the other elements supported by the PERC 5/i Integrated.

Table 8-21. Storage Management Service Supported Elements: PERC 5/i Integrated

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.0	5.0	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.1	5.1	5.0.1	1.18.00.32	1.18.0.32 (32-bit) 1.18.0.64 (64-bit)	NA
2.2	5.2	5.1.1	2.8.0.32	2.8.0.32 (32-bit) 2.8.0.64 (64-bit)	NA
2.3	5.3	5.2.1-0067	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	NA
2.4	5.4	5.2.1-0067	2.14.0.32	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	Native
3.0	5.5	5.2.2-0072	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.0.2	6.0.1	5.2.2-0072	2.14.0.32	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.1	6.1	5.2.2-0072	2.14.0.32	2.24.0.32 Dell A07 (32-bit) 2.24.0.64 Dell A07 (64-bit)	2.24.0.32 Dell A03 (32-bit) 2.24.0.64 Dell A03 (64-bit)

Table 8-22. Storage Management Service Supported Elements: PERC 5/i Integrated

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.1	5.1	5.0.1	00.00.02.03	00.00.02.03	NA	00.00.02.05
2.2	5.2	5.1.1	NA	00.00.03.06	00.00.03.06	00.00.03.06
2.3	5.3	5.2.1-0067	NA	00.00.03.16	00.00.03.16	00.00.03.16
2.4	5.4	5.2.1-0067	NA	00.00.03.16	00.00.03.16	00.00.03.16
3.0	5.5	5.2.2-0072	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.0.2	6.0.1	5.2.2-0072	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	5.2.2-0072	NA	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

CERC 6/i Integrated

The CERC 6/i Integrated supports the following Dell PowerEdge systems: M600, M605, M805, and M905.

Table 8-25 and Table 8-26 show the other elements supported by the CERC 6/i Integrated.

Table 8-23. Storage Management Service Supported Elements: CERC 6/i Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Windows Server 2003 Driver	Windows Server 2008
2.3	5.3	NA	NA	NA
2.4	5.4	6.0.2-0002	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	Native
3.0	5.5	6.1.1-0045	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.0.2	6.0.1	6.1.1-0047	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.1	6.1	6.2.0-0013	2.24.0.32 Dell A07 (32-bit) 2.24.0.64 Dell A07 (64-bit)	2.24.0.32 Dell A03 (32-bit) 2.24.0.64 Dell A03 (64-bit)

Table 8-24. Storage Management Service Supported Elements: CERC 6/i Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3	5.3	NA	NA	NA	NA	NA
2.4	5.4	6.0.2-0002	NA	00.00.03.16	00.00.03.16	00.00.03.16
3.0	5.5	6.1.1-0045	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.0.2	6.0.1	6.1.1-0047	NA	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	6.2.0-0013	NA	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

SAS 5/iR Adapter

The SAS 5/iR Adapter supports the following Dell PowerEdge systems: 440SC, 1435SC, 1430SC, 840, 860, 1900, 2900, 6950, T605, and T610.

The SAS 5/iR Adapter supports the following Dell PowerVault systems: PowerVault 600, and PowerVault 100.

Table 8-25 and Table 8-26 show the other elements supported by the SAS 5/iR Adapter.

**Table 8-25. Storage Management Service Supported Elements:
SAS 5/iR Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.0	5.0	00.06.50.00/ 06.06.00.02	1.21.08.00	1.21.08.00	NA
2.1	5.1	00.06.50.00/ 06.06.00.02	1.21.08.00	1.21.08.00	NA
2.2	5.2	00.10.47.00/ 06.12.02.00	1.24.0.2	1.24.0.2	NA
2.3	5.3	00.10.51.00.06.12.05.00	1.24.4.0	1.24.04.00	NA
2.4	5.4	00.10.51.00.06.12.05.00	1.24.04.40	1.24.04.40	1.26.05.00
3.0	5.5	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.0.2	6.0.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.1	6.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01

**Table 8-26. Storage Management Service Supported Elements:
SAS 5/iR Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	00.06.50.00/ 06.06.00.02	2.06.32	3.02.63	NA	3.02.63
2.1	5.1	00.06.50.00/ 06.06.00.02	2.06.32	3.02.63	NA	3.02.63
2.2	5.2	00.10.47.00/ 06.12.02.00	NA	3.02.83.12	4.00.00.00	3.02.83.12 (version 9) 4.00.00.00 (version 10)
2.3	5.3	00.10.51.00.06 .12.05.00	NA	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) 4.00.07.00-2 (version 10)

**Table 8-26. Storage Management Service Supported Elements:
SAS 5/iR Adapter (continued)**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.4	5.4	00.10.51.00.06 .12.05.00	NA	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) Native (version 9 SP4) 4.00.07.00-2 (version 10)
3.0	5.5	00.10.51.00.06 .12.05.00	NA	3.12.29.00-4	4.00.38.02-2	3.02.29.00-4 (version 9) 4.00.38.02-2 (version 10)
3.0.2	6.0.1	00.10.51.00.06 .12.05.00	NA	3.12.29.00-4	4.00.38.02-2	4.00.38.02-2 (version 10)
3.1	6.1	00.10.51.00.06 .12.05.00	NA	3.12.29.00-6 Dell A07	4.00.38.02-3 Dell A03	4.00.38.02-3 Dell A03 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

SAS 5/iR Integrated

The SAS 5/iR Integrated supports the following Dell PowerEdge system: 1955.

Table 8-27 and Table 8-28 show the other elements supported by the SAS 5/iR Integrated.

Table 8-27. Storage Management Service Supported Elements: SAS 5/iR Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.0	5.0	00.06.50.00/ 06.06.00.02	1.21.08.00	1.21.08.00	NA
2.1	5.1	00.06.50.00/ 06.06.00.02	1.21.08.00	1.21.08.00	NA
2.2	5.2	00.10.47.00.06.12.02.00	1.24.0.2	1.24.0.2	NA
2.3	5.3	00.10.51.00.06.12.05.00	1.24.04.00	1.24.04.00	NA
2.4	5.4	00.10.51.00.06.12.05.00	1.24.04.40	1.24.04.40	1.26.05.00
3.0	5.5	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.0.2	6.0.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.1	6.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01

Table 8-28. Storage Management Service Supported Elements: SAS 5/iR Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	00.06.50.00/ 06.06.00.02	2.06.32	3.02.63	NA	3.02.63
2.1	5.1	00.06.50.00/ 06.06.00.02	2.06.32	3.02.63	NA	3.02.63

**Table 8-28. Storage Management Service Supported Elements:
SAS 5/iR Integrated (continued)**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.2	5.2	00.10.47.00.06.12.02.00	NA	3.02.83.12	4.00.00.00	3.02.83.12 (version 9) 4.00.00.00 (version 10)
2.3	5.3	00.10.51.00.06.12.05.00	NA	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) 4.00.07.00-2 (version 10)
2.4	5.4	00.10.51.00.06.12.05.00	NA	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) Native (version 9 SP4) 4.00.07.00-2 (version 10)
3.0	5.5	00.10.51.00.06.12.05.00	NA	3.12.29.00-4	4.00.38.02-2	3.02.29.00-4 (version 9) 4.00.38.02-2 (version 10)
3.0.2	6.0.1	00.10.51.00.06.12.05.00	NA	3.12.29.00-4	4.00.38.02-2	4.00.38.02-2 (version 10)
3.1	6.1	00.10.51.00.06.12.05.00	NA	3.12.29.00-6 Dell A07	4.00.38.02-3 Dell A03	4.00.38.02-3 Dell A03 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

SAS 5/i Integrated

The SAS 5/i Integrated controller supports the following Dell PowerEdge systems: 1950, 2900, 2950, and 2970.

Table 8-29 and Table 8-30 show the other elements supported by the SAS 5/i Integrated controller.

Table 8-29. Storage Management Service Supported Elements: SAS 5/i Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.0	5.0	00.06.40.00/06.06.00.01	1.21.08.00	1.21.08.00	NA
2.1	5.1	00.06.40.00/06.06.00.01	1.21.08.00	1.21.08.00	NA
2.2	5.2	00.10.47.00.06.12.02.00	1.24.0.2	1.24.0.2	NA
2.3	5.3	00.10.51.00.06.12.05.00	1.24.04.00	1.24.04.00	NA
2.4	5.4	00.10.51.00.06.12.05.00	1.24.04.40	1.24.04.40	1.26.05.00
3.0	5.5	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.0.2	6.0.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.1	6.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01

Table 8-30. Storage Management Service Supported Elements: SAS 5/i Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	00.06.40.00/06.06.00.01	2.06.32	3.02.63	NA	3.02.63
2.1	5.1	00.06.40.00/06.06.00.01	2.06.32	3.02.63	NA	3.02.63
2.2	5.2	00.10.47.00.06.12.02.00	NA	3.02.83.12	4.00.00.00	3.02.83.12 (version 9) 4.00.00.00 (version 10)

**Table 8-30. Storage Management Service Supported Elements:
SAS 5/i Integrated (continued)**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3	5.3	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) 4.00.07.00-2 (version 10)
2.4	5.4	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) Native (version 9 SP4) 4.00.07.00-2 (version 10)
3.0	5.5	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-4	4.00.38.02-2	3.02.29.00-4 (version 9) 4.00.38.02-2 (version 10)
3.0.2	6.0.1	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-4	4.00.38.02-2	4.00.38.02-2 (version 10)
3.1	6.1	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-6 Dell A05	4.00.38.02-3 Dell A05	4.00.38.02-3 Dell A05 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

SAS 5/E Adapter

The SAS 5/E Adapter supports the following Dell PowerEdge systems: 1800, 1850, 1900, 1950, 2800, 2850, 2900, 2950, 2970, 6800, 6850, 6950, R900, T300, T605, R200, R300, R805, R905, and R610, R710, and T610.

The SAS 5/E Adapter supports the following Dell PowerVault systems: PowerVault NX1950, PowerVault 500, PowerVault 600, and PowerVault DL2000.

Table 8-31 and Table 8-32 show the other elements supported by the SAS 5/E Adapter.

Table 8-31. Storage Management Service Supported Elements: SAS 5/E Adapter

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver	Windows Server 2008
2.0	5.0	00.06.40.00/06.06.00.01	1.21.08.00	1.21.08.00	NA
2.1	5.1	00.06.40.00/06.06.00.01	1.21.08.00	1.21.08.00	NA
2.2	5.2	00.10.47.00.06.12.02.00	1.24.0.2	1.24.0.2	NA
2.3	5.3	00.10.51.00.06.12.05.00	1.24.04.00	1.24.04.00	NA
2.4	5.4	00.10.51.00.06.12.05.00	1.24.04.40	1.24.04.40	1.26.05.00
3.0	5.5	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.0.2	6.0.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01
3.1	6.1	00.10.51.00.06.12.05.00	1.24.04.40	1.28.03.01	1.28.03.01

Table 8-32. Storage Management Service Supported Elements: SAS 5/E Adapter

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.0	5.0	00.06.40.00/06.06.00.01	2.06.32	3.02.63	NA	3.02.63
2.1	5.1	00.06.40.00/06.06.00.01	2.06.32	3.02.63	NA	3.02.63

**Table 8-32. Storage Management Service Supported Elements:
SAS 5/E Adapter (continued)**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.2	5.2	00.10.47.00.0 6.12.02.00	NA	3.02.83.12	4.00.00.00	3.02.83.12 (version 9) 4.00.00.00 (version 10)
2.3	5.3	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) 4.00.07.00-2 (version 10)
2.4	5.4	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) Native (version 9 SP4) 4.00.07.00-2 (version 10)
3.0	5.5	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-4	4.00.38.02-2	3.02.29.00-4 (version 9) 4.00.38.02-2 (version 10)
3.0.2	6.0.1	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-4	4.00.38.02-2	4.00.38.02-2 (version 10)
3.1	6.1	00.10.51.00. 06.12.05.00	2.06.48.02-2	3.12.29.00-6 Dell A05	4.00.38.02-3 Dell A05	4.00.38.02-3 Dell A05 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 6/i Integrated and Adapter

The PERC 6/i Integrated supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, R805, 900, T610, R610, R710, M610, and M710 .

The PERC 6/i Integrated supports the following Dell PowerVault systems: PowerVault 500, PowerVault NX1950, and PowerVault 600.

The PERC 6/i Adapter supports the following Dell PowerEdge systems: R905, T300, and T605.

Table 8-33 and Table 8-34 show the other elements supported by the PERC 6/i Integrated and Adapter.

Table 8-33. Storage Management Service Supported Elements: PERC 6/i Integrated and Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware	Windows Server 2003 Driver	Windows Server 2008
2.3	5.3	6.0.1-0080	2.14.0.32 (32-bit)	NA
			2.14.0.64 (64-bit)	
2.4	5.4	6.0.2-0002	2.14.0.32 (32-bit)	Native
			2.14.0.64 (64-bit)	
3.0	5.5	6.1.1-0045	2.23.0.32 (32-bit)	2.23.0.32 (32-bit)
			2.23.0.64 (64-bit)	2.23.0.64 (64-bit)
3.0.2	6.0.1	6.1.1-0047	2.23.0.32 (32-bit)	2.23.0.32 (32-bit)
			2.23.0.64 (64-bit)	2.23.0.64 (64-bit)
3.1	6.1	6.2.0-0013	2.24.0.32 (32-bit)	2.24.0.32 (32-bit)
			Dell A07	Dell A03
			2.24.0.64 (64-bit)	2.24.0.64 (64-bit)
			Dell A07	Dell A03

**Table 8-34. Storage Management Service Supported Elements:
PERC 6/i Integrated and Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 4.5 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
2.3	5.3	6.0.1-0080	00.00.03.16	00.00.03.16	00.00.03.16
2.4	5.4	6.0.2-0002	00.00.03.16	00.00.03.16	00.00.03.16
3.0	5.5	6.1.1-0045	00.00.03.21	00.00.03.21	00.00.03.21
3.0.2	6.0.1	6.1.1-0047	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	6.2.0-0013	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

PERC 6/E Adapter

The PERC 6/E Adapter supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, 6950, R200, R300, R805, R900, R905, T300, T610, R610, and R710.

The PERC 6/E Adapter supports the following Dell PowerVault systems: PowerVault 500, PowerVault 600, and PowerVault DL2000.

Table 8-35 and Table 8-36 show the other elements supported by the PERC 6/E Adapter.

Table 8-35. Storage Management Service Supported Elements: PERC 6/E Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware	Windows Server 2003 Driver	Windows Server 2008
2.3	5.3	6.0.1-0080	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	NA
2.4	5.4	6.0.2-0002	2.14.0.32 (32-bit) 2.14.0.64 (64-bit)	Native
3.0	5.5	6.1.1-0045	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.0.2	6.0.1	6.1.1-0047	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)	2.23.0.32 (32-bit) 2.23.0.64 (64-bit)
3.1	6.1	6.2.0-0013	2.24.0.32 (32-bit) Dell A07 2.24.0.64 (64-bit) Dell A07	2.24.0.32 (32-bit) Dell A03 2.24.0.64 (64-bit) Dell A03

Table 8-36. Storage Management Service Supported Elements: PERC 6/E Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 4.5 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
2.3	5.3	6.0.1-0080	00.00.03.16	00.00.03.16	00.00.03.16
2.4	5.4	6.0.2-0002	00.00.03.16	00.00.03.16	00.00.03.16
3.0	5.5	6.1.1-0045	00.00.03.21	00.00.03.21	00.00.03.21

**Table 8-36. Storage Management Service Supported Elements:
PERC 6/E Adapter (continued)**

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 4.5 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
3.0.2	6.0.1	6.1.1-0047	00.00.03.21	00.00.03.21	00.00.03.21
3.1	6.1	6.2.0-0013	00.00.03.21-6 Dell A09	Native	00.00.03.21-6 Dell A09 (version 10) Native (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

SAS 6/iR Integrated and Adapter

The SAS 6/iR Integrated supports the following Dell PowerVault systems: PowerVault 500, PowerVault 600, and PowerVault DL2000.

The SAS 6/iR Integrated also supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, R805, R900, M600, M605, M805, M905, T610, R610, R710, M610, and M710.

The SAS 6/iR Adapter supports the following Dell PowerEdge systems: R200, R300, T105, T300, R905, T100, and T605.

Table 8-37 shows the other elements supported by the SAS 6/iR Integrated and Adapter.

**Table 8-37. Storage Management Service Supported Elements:
SAS 6/iR Integrated and Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows Server 2003 Driver	Windows Server 2008
2.3	5.3	00.20.46.00.06.14.10.00	1.24.04.00	NA
2.4	5.4	00.20.48.00.06.14.10.00	1.24.04.40	1.26.05.00
3.0	5.5	00.25.47.00.06.22.03.00	1.28.03.01	1.28.03.01
3.0.2	6.0.1	00.25.47.00.06.22.03.00	1.28.03.01	1.28.03.01
3.1	6.1	00.25.47.00.06.22.03.00	1.28.03.01	1.28.03.01

**Table 8-38. Storage Management Service Supported Elements:
SAS 6/iR Integrated and Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 4.5 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.3	5.3	00.20.46.00.06.14.10.00	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) 4.00.07.00-2 (version 10)
2.4	5.4	00.20.48.00.06.14.10.00	3.02.83.12-7	4.00.07.00-2	3.02.83.12-7 (version 9) Native (version 9 SP4) 4.00.07.00-2 (version 10)
3.0	5.5	00.25.47.00.06.22.03.00	3.12.29.00-4	4.00.38.02-2	3.12.29.00-4 (version 9) 4.00.38.02-2 (version 10)

**Table 8-38. Storage Management Service Supported Elements:
SAS 6/iR Integrated and Adapter (continued)**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 4.5 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0.2	6.0.1	00.25.47.00.06.22.03.00	3.12.29.00-4	4.00.38.02-2	4.00.38.02-2 (version 10)
3.1	6.1	00.25.47.00.06.22.03.00	3.12.29.00-6 Dell A07	4.00.38.02-3 Dell A03	4.00.38.02-3 Dell A03 (version 10) Nativer (version 11)

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

LSI Logic 1020/1030 Ultra320 SCSI Adapter

LSI Logic 1020/1030 Ultra320 SCSI adapter supports the following Dell PowerEdge systems: 1950, 2950, 2970, 6950, R200, R300, R900, R805, R905, T100, T105, T300, and T605.

LSI Logic 1020/1030 Ultra320 SCSI adapter supports the following Dell PowerVault systems: PowerVault NX1950 and PowerVault 500.

Table 8-39 and Table 8-40 show the other elements supported by LSI Logic 1020/1030 Ultra320 SCSI adapter.

Table 8-39. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver
2.2	5.2	NOTE: See the appropriate readme file for the latest information.	1.21.25.00	1.21.25.00
2.3	5.3	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00
2.4	5.4	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00
3.0	5.5	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00
3.0.2	6.0.1	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00
3.1	6.1	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00

Table 8-40. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.2	5.2	NOTE: See the appropriate readme file for the latest information.	NA	3.02.83.01	NA	3.02.83.01 (version 9) 3.03.15 (version 10)
2.3	5.3	1.03.27.00.5.10.08.00.12	NA	3.02.83.12-5	NA	3.02.83.12-5 (version 9 only)
2.4	5.4	1.03.27.00.5.10.08.00.12	NA	3.02.83.12-5	NA	3.02.83.12-5 (version 9 only)
3.0	5.5	1.03.27.00.5.10.08.00.12	NA	3.02.83.12-5	NA	3.02.83.12-5 (version 9 only)

Table 8-40. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware/BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0.2	6.0.1	1.03.27.00.5.1 0.08.00.12	NA	3.02.83.12-5	NA	NA
3.1	6.1	1.03.27.00.5.1 0.08.00.12	NA	3.02.83.12-5	NA	NA

Dell OpenManage version 5.3 supports only Update 5 of Red Hat Enterprise Linux version 4 and only SP3 for SUSE Linux Enterprise Server version 9. Dell OpenManage version 5.4 supports only Gold for Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, SP4 for SUSE Linux Enterprise Server version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

CERC SATA 1.5/2S

The CERC SATA 1.5/2s supports the following Dell PowerEdge systems: 800, 1425, 1420SC, 420SC, and 1800.

Table 8-41 show the other elements supported by the CERC SATA 1.5/2S.

Table 8-41. Storage Management Service Supported Elements: CERC SATA 1.5/2S

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
1.1	4.3	NA	6.00.048	6.00.048	NA	NA	NA	NA
1.2	4.4	NA	6.00.050	6.00.050	NA	NA	NA	NA
2.0	5.0	NA	6.00.050	6.00.050	NA	NA	NA	NA
2.1	5.1	NA	6.00.050	6.00.050	NA	NA	NA	NA

**Table 8-41. Storage Management Service Supported Elements:
CERC SATA 1.5/2S (continued)**

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
2.2	5.2	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA
2.3	5.3	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA
2.4	5.4	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA
3.0	5.5	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA
3.0.2	6.0.1	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA
3.1	6.1	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA	NA	NA

* The 1.1.4 Linux driver is included in the Red Hat Package Manager (RPM) 2302.

LSI 1020/1030 Embedded SCSI Controller

This embedded SCSI controller is an onboard chip. It supports the following systems: 1600SC, 1750, 1800, 1850, 2600, 2800, 2850, 6800, and 6850.

Table 8-42 and Table 8-43 show the other elements supported by the LSI 1020/1030.

Table 8-42. Storage Management Service Supported Elements: LSI 1020

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
1.1 on a PowerEdge 1600SC	4.3	1.03.04.00	1.08.19	1.08.18 (Native)	NA	NA	NA	NA
1.2 on a PowerEdge 1600SC	4.4	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.0 on a PowerEdge 1600SC	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.1 on a PowerEdge 1600SC	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.2 on a PowerEdge 1600SC	5.2	1.03.23	NA	Native	NA	Native	NA	NA
2.3 on a PowerEdge 1600SC	5.3	1.03.23	NA	Native	NA	Native	NA	NA
2.4 on a PowerEdge 1600SC	5.4	1.03.23	NA	Native	NA	Native	NA	NA

Table 8-42. Storage Management Service Supported Elements: LSI 1020 (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
3.0 on a PowerEdge 1600SC	5.5	1.03.23	NA	Native	NA	Native	NA	NA
3.0.2	6.0.1	1.03.23	NA	Native	NA	Native	NA	NA
3.1	6.1	1.03.23	NA	1.09.11	NA	Native	NA	NA

Table 8-43. Storage Management Service Supported Elements: LSI 1030

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
1.1 on PowerEdge 1750	4.3	1.01.61.00	1.08.19	1.08.18 (Native)	NA	NA	NA	NA
1.1 on PowerEdge 2600	4.3	1.01.61.00	1.08.19	1.08.18 (Native)	NA	NA	NA	NA
1.2 on a PowerEdge 1750	4.4	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
1.2 on a PowerEdge 2600	4.4	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.0 on a PowerEdge 1750	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.0 on a PowerEdge 2600	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA

Table 8-43. Storage Management Service Supported Elements: LSI 1030 (continued)

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows 2000 Driver	Windows Server 2003 Driver	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10 and 11)
2.1 on a PowerEdge 1750	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.1 on a PowerEdge 2600	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native	NA	NA
2.2 on a PowerEdge 1750	5.2	1.01.61.00	NA	Native	NA	NA	NA	NA
2.2 on a PowerEdge 2600	5.2	1.01.61.00	NA	Native	NA	NA	NA	NA
2.3 on a PowerEdge 1750	5.3	1.01.61.00	NA	Native	NA	NA	NA	NA
2.3 on a PowerEdge 2600	5.3	1.01.61.00	NA	Native	NA	NA	NA	NA
2.4 on a PowerEdge 1750	5.4	1.01.61.00	NA	Native	NA	NA	NA	NA
2.4 on a PowerEdge 2600	5.4	1.01.61.00	NA	Native	NA	NA	NA	NA
3.0 on a PowerEdge 1750	5.5	1.01.61.00	NA	Native	NA	NA	NA	NA
3.0 on a PowerEdge 2600	5.5	1.01.61.00	NA	Native	NA	NA	NA	NA
3.0.2	6.0.1	1.01.61.00	NA	Native	NA	NA	NA	NA
3.1	6.1	1.03.23	NA	1.09.11	NA	NA	NA	NA

LSI Logic 2032 Card

The LSI Logic 2032 card supports the following Dell PowerEdge systems: R610, R710, and T610.

The LSI Logic 2032 card supports the following Dell PowerVault systems: PowerVault DL2000.

Table 8-44 and Table 8-45 show the other elements supported by LSI Logic 2032 card.

Table 8-44. Storage Management Service Supported Elements: LSI Logic 2032 Card

Storage Management Service	Dell OpenManage Version	PERC Firmware/ BIOS Version	Windows 2000 Driver	Windows Server 2003 Driver
3.0.2	6.0.1	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00
3.1	6.1	1.03.27.00.5.10.08.00.12	1.21.25.00	1.21.25.00

Table 8-45. Storage Management Service Supported Elements: LSI Logic 2032 Card

Storage Management Service	Dell OpenManage Version	PERC Firmware/ BIOS Version	Red Hat Enterprise Linux 3 Driver	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 10 and 11)
3.0.2	6.0.1	1.03.27.00.5.10.08.00.12	NA	3.02.83.12-5	NA	NA
3.1	6.1	1.03.27.00.5.10.08.00.12	NA	3.02.83.12-5	NA	NA

Dell OpenManage version 6.0.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 2 for Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

Dell OpenManage version 6.1 supports only Update 7 for Red Hat Enterprise Linux 4, Update 3 for Red Hat Enterprise Linux 5 server, SP2 for SUSE Linux Enterprise Server version 10, and SUSE Linux Enterprise Server version 11.

Network Interface Controllers and Supported Operating Systems

Overview

The drivers required for a Network Interface Card (NIC) depend on the operating system installed on your system.

Table 9-1 shows the relationship between NICs supported by Dell™ OpenManage™ Server Administrator and the drivers that they require on each supported operating system.

NIC Drivers and Operating Systems

To determine required drivers for NIC systems management, locate your NIC manufacturer in Table 9-1 and the operating system that is installed on your system.

In Table 9-1, "NA" indicates that the driver is supplied by the operating system rather than by the manufacturer of the NIC.

Table 9-1. NIC Manufacturers and Drivers Required for Supported Operating Systems

NIC Product Name	Microsoft® Windows® 2000	Microsoft Windows 2003	Microsoft Windows 2008	Red Hat Enterprise Linux 4.7	Red Hat Enterprise Linux Server 5.3	SUSE® Linux Enterprise Server (version 10 SP2 and version 11)
Broadcom NetXtreme Family of Adapters (5721, 5722)	NA	11.7	11.7	3.92n	3.92n	3.92n
Broadcom NetXtreme II Family of Adapters (BCM5708, BCM5709)	NA	4.6	4.6	1.8.7b	1.8.7b	1.8.7b
Broadcom NetXtreme II Family of Adapter 10GbE (BCM57710)	NA	4.6	4.6	1.48.107	1.48.107	1.48.107
Intel® EtherExpress® Family of Adapters	6.0	8.0.17 (Intel PRO/100 Adapters) 8.4.21 (Intel PRO/1000 Adapters)	NA	NA (Intel PRO/100 Adapters) 5.7.6.1 (Intel PRO/1000 Adapters)	See the appropriate readme file for the latest information.	3.4.14p1-NAPI (Intel PRO/100 Network Driver) 6.2.15-NAPI (Intel PRO/1000 Network Driver)

Table 9-1. NIC Manufacturers and Drivers Required for Supported Operating Systems (continued)

NIC Product Name	Microsoft® Windows® 2000	Microsoft Windows 2003	Microsoft Windows 2008	Red Hat Enterprise Linux 4.7	Red Hat Enterprise Linux Server 5.3	SUSE® Linux Enterprise Server (version 10 SP2 and version 11)
3COM® 3C98x Family of Adapters.	NA	NA	NA	NA	NA	NA
Alteon™ ACEnic™ Copper Gigabit	NA	NA	NA	NA	NA	NA

Remote Access Service Availability

Overview

Although all supported operating systems for Server Administrator support remote access, remote access availability is system-dependent. The Remote Access Service is supported only on the following Dell™ PowerEdge™ systems: 700, 750, 800, 830, 840, 850, 860, 1600SC, 1650, 1655MC, 1750, 1800, 1850, 1855, 1900, 1950, 1955, 2600, 2650, 2800, 2850, 2900, 2950, 2970, 4600, 6600, 6650, 6800, 6850, 6950, T300, R200, R300, M600, M605, T605, R805, R900, R905, M805, M905, T100, R710, R610, T610, M610, M710, R410, T410, T710, and on the following Dell PowerVault™ systems: PowerVault 100, PowerVault 500, PowerVault 600, PowerVault NX1950, PowerVault NX3000, and PowerVault DL2000.

The Server Administrator GUI does not display any services on your system that are not available for that system or for that system configuration.



NOTE: See Table 1-1 for information on where you can find the systems management software.

RAC Types

The remote access controller (RAC) cards that are available for specific Dell systems are: DRAC III, DRAC III/XT, ERA, ERA/O, ERA/MC (for Dell PowerEdge 1655MC) DRAC 4/I (for PowerEdge 1850, 2800, and 2850), DRAC 4/P (for PowerEdge 800, 830, 840, 850, 860, 1800, 6800, 6850, R200, PowerVault 100), DRAC/MC (for PowerEdge 1855 and 1955), DRAC 5 (for PowerEdge 1900, 1950, 2900, 2950, 2970, 6950, T300, R300, T605, R805, R900, R905, T100, PowerVault 500, PowerVault 600, and PowerVault DL2000), and iDRAC6 (for PowerEdge R610, R710, T610, M610, and M710 systems) and iDRAC supports the PowerEdge M600, M605, M805, and M905 systems in the Dell PowerEdge M1000e system enclosure).



NOTE: The DRAC III occupies a PCI slot, and has a modem, a battery, and an external AC power connection unlike the other RACs.

Availability of RACs on Specific Dell Systems

Table 10-1 shows the RACs that are available on specific Dell systems.


 **NOTE:** The ERA/MC is supported only on PowerEdge 1655MC systems.

Table 10-1. Availability of RACs on Specific Dell Systems

Dell System	DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4	DRAC/MC	DRAC 5	iDRAC	iDRAC6
700				X					
750				X					
800					X				
830					X				
840					X				
850					X				
860					X				
1600SC				X					
1650	X		X						
1750			X						
1800					X				
1850					X				
1855						X			
1900							X		
1950							X		
1955						X			
2600			X						
2650		X							
2800					X				
2850					X				
2900							X		
2950							X		

Table 10-1. Availability of RACs on Specific Dell Systems (continued)

Dell System	DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4	DRAC/MC	DRAC 5	iDRAC	iDRAC6
2970							X		
4600	X								
6600	X								
6650	X								
6800					X				
6850					X				
6950							X		
R200					X				
T300							X		
R300							X		
M600								X	
M605								X	
T605							X		
R805							X		
R900							X		
R905							X		
T100							X		
M805								X	
M905								X	
PowerVault DL2000							X		
PowerVault NX1950							X		
PowerVault NX3000									X
PowerVault 100							X		

Table 10-1. Availability of RACs on Specific Dell Systems (continued)

Dell System	DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4	DRAC/MC	DRAC 5	iDRAC	iDRAC6
PowerVault 500							X		
PowerVault 600							X		
R610									X
R710									X
T610									X
M610									X
M710									X
R410									X
T410									X
T710									X

RAC Firmware Versions

Table 10-2 shows the firmware version required for each RAC that is offered on the corresponding Dell OpenManage media.

Table 10-2. RAC Firmware Version by Dell OpenManage Media Version

Dell OpenManage Media Version	Firmware Version				
	DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4
3.0	1.10	NA	NA	NA	NA
3.0.1	1.10	NA	NA	NA	NA
3.0.2	1.10	1.05	NA	NA	NA
3.1	1.20	1.05	1.10	NA	NA
3.1.1	1.20	1.05	1.20	NA	NA
3.2	1.30	1.07	1.20	NA	NA
3.2.2	1.30	1.07	1.20	1.30	NA

Table 10-2. RAC Firmware Version by Dell OpenManage Media Version (continued)

Dell OpenManage Media Version	Firmware Version				
	DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4
NA	NA	1.21	NA	NA	NA
3.3	2.0	2.0	2.0	2.0	NA
3.4	2.2	2.2	2.2	2.2	NA
3.5	2.5	2.5	2.5	2.5	NA
3.6	3.0	3.0	3.0	3.0	NA
3.7	3.10	3.10	3.10	3.10	NA
3.8	3.12	3.12	3.12	3.12	NA
4.0.1	NA	NA	NA	NA	1.0
4.1	3.14	3.14	3.14	3.14	1.0
4.1.1	NA	NA	NA	NA	1.0
4.1.2	NA	NA	NA	NA	1.0
4.1.3	NA	NA	NA	NA	1.0
4.1.4	NA	NA	NA	NA	NA
4.2	3.20	3.20	3.20	3.20	1.1

Table 10-3 shows the firmware version required for each RAC that is offered on the corresponding *Dell PowerEdge Server Update Utility* CD or *Dell Systems Management Tools and Documentation* DVD.

Table 10-3. RAC Firmware Version by Server Update Utility Media Version

Dell OpenManage Version	Server Update Utility Media Version	Firmware Version								
		DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4	DRAC/ MC	DRAC 5	iDRAC 6	iDRAC 6
4.3	1.0	3.2.1	3.20	3.20	3.20	1.2	1.1.0	NA	NA	NA
4.4	1.1	3.3.0	3.3.0	3.3.0	3.3.0	1.30	1.1.1	NA	NA	NA
4.5	1.2	3.3.0	3.3.0	3.3.0	3.3.0	1.30	1.2.0	NA	NA	NA
5.0	1.3	3.35	3.35	3.35	3.35	1.35	1.3	1.0	NA	NA

Table 10-3. RAC Firmware Version by Server Update Utility Media Version (continued)

Dell OpenManage Version	Server Update Utility Media Version	Firmware Version								
		DRAC III	ERA	ERA/O	DRAC III/XT	DRAC 4	DRAC/ MC	DRAC 5	iDRAC	iDRAC 6
5.1	1.4	3.35	3.35	3.35	3.35	1.35	1.3	1.0	NA	NA
5.1.1	1.5	NA	NA	NA	NA	NA	NA	1.0	NA	NA
5.2	1.5	3.35	3.35	3.35	3.35	1.50	1.4	1.20	NA	NA
5.3	1.6	3.3.5	3.3.5	3.3.5	3.3.5	1.6	1.5	1.30	1.0	NA
5.4	1.7	3.3.8	3.3.5	3.3.5	3.3.5	1.6.1	1.5	1.3.3	1.0	NA
5.5	1.8.1	3.38	3.38	3.38	3.38	1.61	1.5	1.40	1.2	NA
6.0.1	1.8.2	NA	NA	NA	NA	NA	NA	NA	NA	1.0
6.1	1.8.2	3.38	3.38	3.38	3.38	1.75	1.5	1.48	1.2	1.10

Historical Release Information for Legacy Systems

Overview

The following sections contain historical information about releases of the Dell™ OpenManage™ Server Agent running on supported Microsoft® Windows®, Red Hat® Enterprise Linux®, and Novell® NetWare® operating systems. The following excerpts from previous `readme.txt` files show a record of features and resolved issues for releases of Server Agent only. For the complete text of `readme.txt` files, see the Dell Support website at support.dell.com/manuals.

You can find additional information on more recent systems management applications in the Server Administrator `readme.txt` found on the *Systems Management* CDs, version 3.0 or later.

Server Agent 4.5

The following subsections contain requirements, features, and open issues for Server Agent version 4.5.

Release date: October 2001

Requirements

Supported systems: Dell PowerEdge™ 1500SC

Operating Systems

- Microsoft Windows NT® Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 5.x
- Red Hat Linux® 7.1



NOTE: Server Agent is not supported on a PowerEdge 1500SC system running either the Red Hat Linux 7.0 operating system or the Novell NetWare 4.x operating system.

New in Server Agent Version 4.5

Support was added for the PowerEdge 1500SC system.

Server Agent 4.4.1

The following subsections contain requirements, features, and open issues for Server Agent version 4.4.1.

Release date: September 2001

Requirements

Supported systems: Dell PowerEdge 300, 350, 500SC, 1300, 1400, 1550, 2300, 2400, 2450, 2500, 2550, 4300, 4350, 4400, 6300, 6350, 6400, 6450, and 8450

Operating Systems

- Microsoft Windows NT Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 4.x or 5.x
- Red Hat Linux 7.0



NOTE: Server Agent is not supported on a PowerEdge 500SC system running the Red Hat Linux 7.0 operating system.

New in Server Agent Version 4.4.1

This release contains the following new features and changes:

- Support for Red Hat Linux 7.1 SBE (Kernels 2.4.3-6 and 2.4.3-12) with prebuilt device drivers
- Dynamic Kernel Support for Red Hat Linux
- Removal of support for the DMI management protocol
- In the Server Agent MIB file `10892.mib`, replacement of "Dell" by "Server" in the annotation TYPE field for each trap

- In the Server Agent event configuration file `10892evt.cfg`, the changing of the `OID_ALIAS` value from "Dell_Server3_Baseboard_Agent" to "Server_Agent," and replacement of "Dell" by "Server" in the **Short Descr** field for each event

Server Agent 4.4.0

The following subsections contain requirements, features, and open issues for Server Agent version 4.4.0.

Release date: July 2001

Requirements

Supported systems: Dell PowerEdge 350, 500SC, and 1550

Operating Systems

- Microsoft Windows NT Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 4.x or 5.x
- Red Hat Linux 7.0; Kernel version: 2.2.16; Red Hat Linux SNMP agent: `ucd-snmp` version 4.1.2-8smux

New in Server Agent Version 4.4.0

This release adds support for the following Dell systems and features:

- PowerEdge 500SC
- PowerEdge 1550 with the Intel® Pentium® III microprocessor
- PowerEdge 350 watchdog support

Server Agent 4.3.0

Version 4.3.0 is the first release of Server Agent that combines supported operating systems for Microsoft Windows, Novell NetWare, and Red Hat Linux. All of these supported operating systems are documented in this `readme.txt` file.

Release date: March 2001

Requirements

Supported systems: Dell PowerEdge 300, 350, 1300, 1400, 1550, 2300, 2400, 2450, 2500, 2550, 4300, 4350, 4400, 6300, 6350, 6400, 6450, and 8450

Operating Systems

- Microsoft Windows NT Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 4.x or 5.x
- Red Hat Linux 7.0; Kernel version: 2.2.16; Red Hat Linux SNMP agent: ucd-snmp version 4.1.2-8smux

New in Server Agent Version 4.3.0

This release adds support for the following Dell systems:

- PowerEdge 2500
- PowerEdge 2550

Server Agent 4.3.0 Resolved Issues

- Hung server alerts for PowerEdge 8450 systems
When you configure the hung server action for a Dell PowerEdge 8450 system, the system either performs a system reset or a recycle system power action.
- PowerEdge 350 issues
This release addressed the following Dell PowerEdge 350 issues that were originally addressed by Dell OpenManage Server Agent 4.2.0 Update 1:
 - Changes thresholds for the -12 volt (V) voltage probe on the system board. These new thresholds prevent erroneous probe failures and warnings.
 - Corrects erroneous fan failure reports in the event log.
 - Corrects system crashes at start-up caused by incorrect event log record length.
 - Disables the chassis identification feature.
- Dell PowerVault™ 2xxS SCSI disk systems and SNMP
This release addresses the following PowerVault 2xxS SCSI disk system issue that was originally addressed by Server Agent 4.2.0 Update 1:

- Allows Dell PowerEdge systems attached to the PowerVault 2xxS SCSI disk system to respond to SNMP requests for information. Under certain rare circumstances, some Dell systems with PowerVault 2xxS attached were not responding to SNMP requests.

Server Agent 4.2.2

The following subsections contain requirements, features, and open issues for Server Agent version 4.2.2.

Release date: February 2001

Requirements

Supported systems: Dell PowerEdge 300, 350, 1300, 1400, 1550, 2300, 2400, 2450, 4300, 4350, 4400, 6300, 6350, 6400, 6450, and 8450

Operating Systems

- Microsoft Windows NT Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 4.x or 5.x

New and Resolved Issues in Server Agent Version 4.2.2

Dell OpenManage Server Agent 4.2.2 now supports the Dell PowerEdge 350 system. In addition, Dell OpenManage Server Agent 4.2.2 resolves the following issues:

- Incorrect current sensor data
 - In rare circumstances, Dell OpenManage Server Agent incorrectly reported data for current (amperage) sensors. Incorrect amperage readings may have been reported for the following PowerEdge systems: 4300, 4350, 4400, 6300, 6350, 6400, and 6450.
- SNMP time-outs with PowerVault 2xxS SCSI disk systems
 - In rare circumstances, the Dell OpenManage Server Agent SNMP interface stops responding when a Dell PowerVault 2xxS storage system is attached to a system. The DMI and CIM interfaces may also stop responding.

Server Agent 4.2.1

The following subsections contain requirements, features, and open issues for Server Agent version 4.2.1.

Release date: December 2000

Requirements

Supported systems: Dell PowerEdge 1300, 1400, 1550, 2300, 2400, 2450, 4300, 4350, 4400, 6300, 6350, 6400, 6450, and 8450

Operating Systems

- Microsoft Windows NT Server 4.x with SP 4 or later
- Microsoft Windows 2000 Server family (includes Windows 2000 Server and Windows 2000 Advanced Server)
- Novell NetWare 4.x or 5.x

New in Server Agent Version 4.2.1

Added support for PowerEdge 1550 system

Resolved Issues for Server Agent Version 4.2.1

Table 11-1. Resolved Issues for Server Agent Version 4.2.1

Problem	Solution
IT Assistant is unable to perform a remote flash BIOS update for the PowerEdge 300 system.	Server Agent 4.2.1 enables IT Assistant to perform a remote flash BIOS update for the PowerEdge 300 system.
Server Agent reports an error message that values are incorrect for CPU voltage threshold values for the PowerEdge 8450 system on systems with a CPU speed of 700 MHz and higher.	Server Agent 4.2.1 reports correct CPU voltage threshold values.

Table 11-1. Resolved Issues for Server Agent Version 4.2.1 (continued)

Problem	Solution
Server Agent 4.0 did not implement the %6 alert parameter correctly in the local response agent.	Server Agent 4.2.1 correctly parses the %ALERT parameter. The %ALERT parameter can now be located anywhere in the command line and can optionally be enclosed in double quotes when the user wants to pass the alert message to the command line as a single string.
Intermittent incorrect fan probe readings of zero RPMs cause faulty alerts to be generated. Invalid fan probe readings also compromise the usability of Server Agent.	Server Agent 4.2.1 prevents false alerts for fan probes based on incorrect readings of fan RPM values. This update also addresses usability issues caused by these incorrect fan RPM values. The incorrect fan RPM readings originate on PowerEdge systems that report systems management information to the management console using Server Agent version 4.0.
Seven-character service tags display incorrectly.	Formerly, certain combinations of characters and numbers in the seven-character service tag either did not display correctly or did not display at all. Server Agent 4.2.1 displays service tags correctly.
False power supply fan readings. Server Agent reports high power supply fan RPM readings. The readings exceed the upper failure threshold and are reported as failures.	Server Agent 4.2.1 corrects the problem of false fan probe alerts.

Server Agent 4.2.0

The following subsections contain requirements, and features for Server Agent version 4.2.0.

Release date: December 2000

Requirements

Supported systems: Dell PowerEdge 300, 1300, 1400, 1550, 2300, 2400, 2450, 4300, 4350, 4400, 6300, 6350, 6400, 6450, and 8450

Operating Systems

Red Hat Linux 7.0 (Kernel version: 2.2.16), Red Hat Linux SNMP agent:
ucd-snmp version 4.1.2-8smux or later