

# Dell™ Systems Software Support Matrix

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## Notes and Cautions

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

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

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## Supported Browsers

### Dell™ Systems Software Support Matrix

[Table 6-1](#) lists the browsers that support Dell OpenManage™ in Dell systems.

Table 6-1. Supported Browsers

Operating System	Windows® 2000 Server	Windows Server® 2003	Windows 2000 Professional and Windows XP	Windows Server 2008	Windows Vista®	SUSE® Linux Enterprise Server 10	Red Hat® Enterprise Linux® 4.7	Red Hat Enterprise Linux 5 server
Browser	Microsoft® Internet Explorer® 6.0 SP2	Internet Explorer 7.0 Internet Explorer 6.0 SP2 Firefox 3.0	Internet Explorer 6.0 SP2 Firefox 3.0	Internet Explorer 7.0 Firefox 3.0	Internet Explorer 7.0 Firefox 3.0	Firefox 2.0 Firefox 3.0	Firefox 3.0	Firefox 3.0

 **NOTE:** IT Assistant is not supported on Firefox 3.0 for Microsoft Windows Server 2008 Family.

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	Service Pack	SP2	Gold	Gold	Gold	Gold	Gold	Gold	U2
R710		D	D	D	D	D	D	D	D
R610		D	D	D	D	D	D	D	D
T610		D	D	D	D	D	D	D	D
M610		D	D	D	D	D	D	D	D
M7f10		D	D	D	D	D	D	D	D

## Supported Change Management Software on Virtualization Operating Systems

[Table 3-3](#) lists the supported Dell OpenManage 6.0.1 change management software on systems running supported Virtualization operating system.

- 1 A D in the intersection of the operating system and the Dell system columns indicates support for Dell Update Packages.

**Table 3-3. Supported Dell OpenManage Change Management Software on Systems Running Virtualization Operating Systems**

Dell System	Edition	VMware®	Citrix™		Microsoft	
		ESX	XenServer™		Hyper-V™	Hyper-V Server
		3.5	5.0 Dell Edition Hot Fix 2			
	Service Pack	U2	Flash	HDD		
R710		D	D	D	D	D
R610		D	D	D	D	D
T610		D	D	D	D	D
M610		D	D	D	D	D
M710		D	D	D	D	D

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## Supported Dell OpenManage Systems Management Software

### Dell™ Systems Software Support Matrix

- [Supported Dell OpenManage Systems Management Software on Microsoft Windows Operating Systems](#)
- [Supported Dell OpenManage Systems Management Software on Linux Operating Systems](#)
- [Supported Dell OpenManage Systems Management Software on Virtualization Operating Systems](#)

Dell™ OpenManage™ systems management software is a suite of application programs for Dell systems. This software allows you to manage your system with proactive monitoring, notification, and remote access.

Dell OpenManage systems management software can be divided into:

- 1 Dell OpenManage Server Administrator

Dell OpenManage Server Administrator is a comprehensive, one-to-one systems management solution, designed for system administrators, to manage systems locally and remotely on a network.

Server Administrator comprises the following services:

- 1 Instrumentation Service
- 1 Remote Access Service
- 1 Storage Management Service

For more information about Dell OpenManage Server Administrator, see the *Dell OpenManage Server Administrator User's Guide*. This guide is available on the Dell Support website at [support.dell.com](http://support.dell.com).

- 1 Dell Systems Build and Update Utility

Dell Systems Build and Update Utility is designed to speed up the setup and performance of Dell systems. Dell Systems Build and Update Utility provides a series of intuitive and easy-to-follow interview screens that help guide you through the server installation process.

For more information about Systems Build and Update Utility, see the *Dell Systems Build and Update Utility User's Guide* available on the Dell Support website at [support.dell.com](http://support.dell.com).

## Supported Dell OpenManage Systems Management Software on Microsoft Windows Operating Systems

[Table 2-1](#) lists the supported Dell OpenManage 6.0.1 installation and systems management software on systems running supported Microsoft® Windows® operating systems.

- 1 An X in the intersection of the operating system and the Dell system columns indicates that Server Administrator and Dell Systems Build and Update Utility are supported on that operating system for the corresponding system.
- 1 An A in the intersection of the operating system and the Dell system columns indicates systems that support Dell Systems Build and Update Utility but not Server Administrator.
- 1 An asterisk (\*) in the intersection of the operating system and the Dell system columns indicates operating system support for Dell systems that do not support Dell OpenManage software.

**Table 2-1. Supported Dell OpenManage Systems Management Software on Systems Running Microsoft Windows Operating Systems**

Dell System	Edition	Windows Small Business Server 2003		Windows Small Business Server 2008		Windows Essential Business Server 2008		Windows Server® 2003 x86			Windows Server	
		Standard	Premium	Standard	Premium	Standard	Premium	Web	Standard	Enterprise	Standard	Enterpris
		Service Pack	SP2	SP2					SP2	R2-SP2	R2-SP2	R2-SP2
R710		X	X	X	X			X	X	X	X	X
R610		X	X	X	X			X	X	X	X	X
T610		X	X	X	X			X	X	X	X	X
M610						X	X	X	X	X	X	X
M710						X	X	X	X	X	X	X

## Supported Dell OpenManage Systems Management Software on Linux Operating Systems

[Table 2-2](#) lists the supported Dell OpenManage 6.0.1 installation and systems management software on systems running supported Linux operating system.

- 1 An X in the intersection of the operating system and the Dell system columns indicates that Server Administrator and Dell Systems Build and Update Utility are supported on that operating system for the corresponding Dell system.
- 1 An A in the intersection of the operating system and the Dell system columns indicates systems that support Dell Systems Build and Update Utility but not Server Administrator.
- 1 An asterisk (\*) in the intersection of the operating system and the Dell system columns indicates operating system support for Dell systems that do not support Dell OpenManage software.

**Table 2-2. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems**

Dell System	Edition	SUSE® Linux Enterprise Server 10 (x86_64)	Red Hat® Enterprise Linux® 4.7 (x86_32)			Red Hat Enterprise Linux 4.7 (x86_64)			Red Hat Enterprise server (x86_64)
			WS	ES	AS	WS	ES	AS	
	Service Pack	SP2	Gold	Gold	Gold	Gold	Gold	Gold	U2
R710		X	X	X	X	X	X	X	X
R610		X	X	X	X	X	X	X	X
T610		X	X	X	X	X	X	X	X
M610		X	X	X	X	X	X	X	X
M710		X	X	X	X	X	X	X	X

## Supported Dell OpenManage Systems Management Software on Virtualization Operating Systems

[Table 2-3](#) lists the supported Dell OpenManage 6.0.1 installation and systems management software on systems running supported virtualization operating system.

- 1 An X in the intersection of the operating system and the Dell system columns indicates that Server Administrator and Dell Systems Build and Update Utility are supported on that operating system for the corresponding Dell system.
- 1 An A in the intersection of the operating system and the Dell system columns indicates systems that support Dell Systems Build and Update Utility but not Server Administrator.
- 1 An asterisk (\*) in the intersection of the operating system and the Dell system columns indicates operating system support for Dell systems that do not support Dell OpenManage software.

**Table 2-3. Supported Dell OpenManage Systems Management Software on Systems Running Virtualization Operating Systems**

Dell System	Edition	VMware®	Citrix™		Microsoft	
		ESX	XenServer™		Hyper-V	Hyper-V Server
	Service Pack	3.5	5.0 Dell Edition Hot Fix 2			
		U4	Flash	HDD		
R710		X	X	X	X	X
R610		X	X	X	X	X
T610		X	X	X	X	X
M610		X	X	X	X	X
M710		X	X	X	X	X

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## Introduction

### Dell™ Systems Software Support Matrix

- [What's New for 6.0.1](#)
- [Where Can I Find The Server Administrator Application?](#)
- [Structure of This Guide](#)
- [Supported Operating Systems](#)
- [Supported GUI Languages](#)

The Dell™ Systems Software Support Matrix helps identify Dell OpenManage™ software and other Dell components supported on various Dell systems.

This guide is intended for system administrators and technicians who want to obtain information about the various Dell systems available, the operating systems supported by these systems, and the Dell OpenManage components that can be installed on these systems.

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## What's New for 6.0.1

The following are the changes in Dell OpenManage version 6.0.1:

- 1 Support for Red Hat® Enterprise Linux® Version 4.7.
- 1 Support for the following Dell systems: R610, R710, T610, M610, and M710.

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## 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 media. See [Table 1-1](#) for more information.

**Table 1-1. Server Administrator and Corresponding Media**

Dell OpenManage Version	Available on Media
2.2 and earlier	<i>Applications CD</i>
3.0-4.2	<i>Systems Management CD</i>
4.3-5.2.3	<i>Dell PowerEdge Installation and Server Management CD</i>
5.3-5.3.2	<i>Dell Systems Console and Agent CD</i> or the <i>Dell Systems Management Tools and Documentation DVD</i>  <b>NOTE:</b> The <i>Dell Server Updates DVD</i> is available only with the Dell Subscription Kit. For details, see <a href="http://www.dell.com/openmanagesubscription">www.dell.com/openmanagesubscription</a>
5.4	<i>Dell Systems Management Tools and Documentation DVD</i>
5.5	<i>Dell Systems Management Tools and Documentation DVD</i>
6.0.1	<i>Dell Systems Management Tools and Documentation DVD</i>

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## Structure of This Guide

This guide is organized on the basis of the Dell OpenManage suite of products and the operating systems on which these products are supported.

This guide contains the following chapters:

### [Supported Dell OpenManage Systems Management Software](#)

This chapter contains information about Dell OpenManage systems management software on Dell systems running supported operating systems. Dell OpenManage systems management software includes:

- 1 Dell OpenManage Server Administrator
- 1 Dell Systems Build and Update Utility

### [Supported Dell OpenManage Change Management Software](#)

This chapter contains information about Dell OpenManage change management software on Dell systems running supported operating systems. Dell

OpenManage change management software includes:

- 1 Dell Update Packages
- 1 Server Update Utility

### [Supported Dell OpenManage Systems Management Consoles](#)

This chapter contains information about Dell OpenManage systems management consoles on Dell systems running supported operating systems. Dell OpenManage systems management consoles include:

- 1 Dell OpenManage IT Assistant
- 1 DRAC tools that include RACADM and VMCLI
- 1 BMC Management Utility (BMU) and IPMItool out-of-band
- 1 IPMItool in-band

### [Supported Dell Remote Access Controllers and Solutions](#)

This chapter contains information about Dell Remote Access Controllers (DRAC) and Integrated Dell Remote Access Controllers (iDRAC) versions and firmware, as well as supported Baseboard Management Controllers (BMC) and Chassis Management Controllers (CMC) IPMI protocol versions.

### [Supported Browsers](#)

This chapter lists supported browsers on various operating systems for Dell systems.

### [Network Interface Controllers and Supported Operating Systems](#)

This chapter contains information about Network Interface Controllers and Supported Operating Systems.

### [RAID Controller Supported Servers, Operating Systems, Firmware, and Driver Versions](#)

This chapter contains information about RAID controller supported servers, version of the Storage Management Service, Dell System Management version, Firmware version number required for a particular controller, and Supported operating systems, where each operating system requires a specific driver.

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## Supported Operating Systems

This Software Support Matrix offers support information for the following operating systems:

### Microsoft Windows Operating Systems

- 1 Microsoft® Windows Server® 2008 Web, Standard, and Enterprise (32-bit x86) editions
- 1 Microsoft Windows Server 2008 Core Standard and Enterprise (32-bit x86) editions
- 1 Microsoft Windows Server 2008 Standard, Enterprise, and Datacenter (x64) editions
- 1 Microsoft Windows Server 2008 Core Standard, Enterprise, and Datacenter (x64) editions
- 1 Microsoft Windows Server 2003 Web, Standard and Enterprise (32-bit x86) editions with SP2
- 1 Microsoft Windows Server 2003 Standard, Enterprise, and Datacenter (x64) editions with SP2
- 1 Microsoft Windows Server 2003 R2 Standard and Enterprise (32-bit x86) editions with SP2
- 1 Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter (x64) editions with SP2
- 1 Microsoft Windows® Essential Business Server 2008 Standard and Premium editions
- 1 Microsoft Windows Small Business Server 2008 Standard and Premium editions
- 1 Microsoft Windows Small Business Server 2003 Standard and Premium editions with SP2
- 1 Microsoft Windows XP Professional with SP2 (32-bit x86)
- 1 Microsoft Windows 2000 Professional with SP4
- 1 Microsoft Windows Vista® Business and Enterprise editions.

### Linux Operating Systems


- 1 SUSE® Linux Enterprise Server 10 with SP2(x86\_64)
- 1 Red Hat Enterprise Linux 5 server (Update 2) (x86\_32)
- 1 Red Hat Enterprise Linux 5 server (Update 2) (x86\_64)
- 1 Red Hat Enterprise Linux WS, ES, and AS (Version 4.7) (x86\_32)



- 1 Red Hat Enterprise Linux WS, ES, and AS (Version 4.7) (x86\_64)

**Virtualization Operating Systems**

- 1 Microsoft Hyper-V and Hyper-V Server
- 1 VMware® ESX Version 3.5 Update 4
- 1 Citrix™ XenServer™ 5.0 Dell Edition Hot Fix 2

 **NOTE:** For Dell OpenManage information specific to VMware, see the latest Installation Guide, Release Notes, and the Dell-VMware Compatibility Matrix under the **Resources** → **Support Documents** section at [www.dell.com/vmware](http://www.dell.com/vmware).

## 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 1-2](#) plots the language of the Dell OpenManage GUI against the operating system languages.

**Table 1-2. Supported Dell OpenManage GUI Languages**

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

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## Supported Dell OpenManage Systems Management Consoles

### Dell™ Systems Software Support Matrix

- [Supported Systems for Dell OpenManage IT Assistant](#)
- [Supported Systems for RACADM](#)
- [Supported Systems for BMU and IPMItool Out-of-Band](#)
- [Supported Systems for IPMItool In-Band](#)

Dell™ OpenManage™ systems management consoles provide the necessary tools for remote or one-to-many group system management. These tools also consolidate the management applications used on management workstations.

Dell OpenManage systems management consoles tools and applications include:

- 1 Dell OpenManage IT Assistant
- 1 DRAC tools that include remote RACADM and VMCLI
- 1 BMC Management Utility and IPMItool out-of-band
- 1 IPMItool in-band

## Supported Systems for Dell OpenManage IT Assistant

Dell OpenManage IT Assistant provides a central point of access to monitor and manage systems on a local area network (LAN) or wide area network (WAN). By allowing an administrator a comprehensive view across the enterprise, IT Assistant can increase system uptime, automate repetitive tasks, and prevent interruption to critical business operations.

For more information on IT Assistant, see the *Dell OpenManage IT Assistant User's Guide* available on the Dell Support website at [support.dell.com](http://support.dell.com).

## Supported Microsoft Windows Operating Systems for IT Assistant

[Table 4-1](#) shows supported Microsoft® Windows® operating systems for IT Assistant.

**Table 4-1. Supported Microsoft Windows Operating Systems for IT Assistant**

	Windows Server® 2003 x86			Windows Server 2008 x86			Windows XP	Windows Vista®
Edition	Web	Standard	Enterprise	Web	Standard	Enterprise	Professional x86	Business and Enterprise
Service Pack	R2-SP2	R2-SP2	R2-SP2	Gold	Gold	Gold	SP2	Gold
IT Assistant	X	X	X	X	X	X	X	X

## Supported Linux Operating Systems for IT Assistant

IT Assistant cannot be installed on Dell systems running Red Hat® Enterprise Linux® or SUSE® Linux Enterprise Server operating systems. These systems can, however, launch IT Assistant through supported browsers (Firefox® version 1.5). For more information on supported browsers, see the [Supported Browsers](#) section.

## Supported Virtualization Operating Systems

ITA can be installed on virtual systems installed on the virtualization operating systems listed in [Table 4-2](#).

**Table 4-2. Supported Virtualization Operating Systems on Physical System**

	VMware®	Citrix™		Microsoft	
Edition	ESX	XenServer™			
	3.5	5.0 Dell Edition Hot Fix 2		Hyper-V™	Hyper-V Server
Service Pack	U2	Flash	HDD		
Physical System	X	X	X	X	X



## Supported Systems for BMU and IPMI tool Out-of- Band

BMC Management Utility (BMU) is a utility to access Baseboard Management Controller (BMC) and perform management activities. BMU allows remote, out-of-band LAN and/or serial port power control, event log access, and console redirection.

IPMITool is a Command Line Interface (CLI) utility that helps in configuring and managing devices using the IPMI version 1.5 and later protocol. IPMITool supports out-of-band (OOB) access (over a LAN or through the serial port) to a single system at a time. IPMITool also supports in-band access.

For more information on BMU and IPMITool out-of-band, see the *Dell OpenManage Baseboard Management Controller Utilities User's Guide* available on the Dell Support website at [support.dell.com](http://support.dell.com).

## Supported Microsoft Windows Operating Systems for BMU and IPMI tool Out-of-Band

[Table 4-6](#) shows supported Microsoft Windows operating systems for BMU IPMITool out-of-band. An X in the operating system column indicates BMU and IPMITool out-of-band support.

Table 4-6. Supported Microsoft Windows Operating Systems for BMU and IPMI tool Out-of-Band

Edition	Windows Server 2003 x86			Windows Server 2003 x64			Windows Server 2008 x86			Windows Server 2008 x64	
	Web	Standard	Enterprise	Standard	Enterprise	Datacenter	Web	Standard	Enterprise	Standard	Datacenter
Service Pack	SP2	SP2	SP2	SP2	SP2	SP2	Gold	Gold	Gold	Gold	Gold
BMU/IPMI tool out-of-band	X	X	X	X	X	X	X	X	X	X	X

## Supported Linux Operating Systems for BMU and IPMI tool Out-of-Band

[Table 4-7](#) shows supported Linux operating systems for BMU and IPMITool out-of-band. An X in the operating system column indicates BMU and IPMITool out-of-band support.

Table 4-7. Supported Linux Operating Systems for BMU and IPMI tool Out-of-Band

Edition	SUSE Linux Enterprise Server 10 (x86_64)	Red Hat Enterprise Linux 4.7 (x86_32)			Red Hat Enterprise Linux 4.7 (x86_64)			Red Hat Enterprise Linux 5 server (x86_32)	Red Hat Enterprise Linux 5 server (x86_64)
		WS	ES	AS	WS	ES	AS		
Service Pack	SP2	Gold	Gold	Gold	Gold	Gold	Gold	U2	U2
BMU/IPMI tool out-of-band	X	X	X	X	X	X	X	X	X

## Supported Systems for IPMI tool In-Band

IPMITool in-band also helps in configuring and managing devices.

For more information on IPMITool, see the *Dell OpenManage Baseboard Management Controller Utilities User's Guide* available on the Dell Support website at [support.dell.com](http://support.dell.com).

## Supported Microsoft Windows Operating Systems for IPMI tool In-Band

[Table 4-8](#) shows supported Microsoft Windows operating systems for IPMITool in-band. An X in the operating system column indicates IPMITool in-band support.

Table 4-8. Supported Microsoft Windows Operating Systems for IPMI tool In-Band

Windows Server 2003 x86	Windows Server 2003 x64	Windows Server 2008 x86	Windows Server 2008 x64

Edition	Web	Standard	Enterprise	Standard	Enterprise	Datacenter	Web	Standard	Enterprise	Standard	Datacenter
Service Pack	SP2	SP2	SP2	SP2	SP2	SP2	Gold	Gold	Gold	Gold	Gold
IPMI tool in-band	X	X	X	X	X	X	X	X	X	X	X

## Supported Linux Operating Systems for IPMI tool In-Band

[Table 4-9](#) shows supported Linux operating systems for IPMI tool in-band. An X in the operating system column indicates IPMI tool in-band support.

Table 4-9. Supported Linux Operating Systems for IPMI tool In-Band

	SUSE Linux Enterprise Server 10 (x86_64)	Red Hat Enterprise Linux 4.7 (x86_32)			Red Hat Enterprise Linux 4.7 (x86_64)			Red Hat Enterprise Linux 5 server (x86_32)	Red Hat Enterprise Linux 5 server (x86_64)
Edition		WS	ES	AS	WS	ES	AS		
Service Pack	SP2	Gold	Gold	Gold	Gold	Gold	Gold	U2	U2
IPMI tool in-band	X	X	X	X	X	X	X	X	X

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## Network Interface Controllers and Supported Operating Systems

### Dell™ Systems Software Support Matrix

- [Overview](#)
- [NIC Drivers and Operating Systems](#)

## Overview

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

[Table 7-1](#) 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 7-1](#) and the operating system that is installed on your system.

In [Table 7-1](#), "NA" indicates that the driver is supplied by the operating system rather than by the manufacturer of the NIC.

**Table 7-1. NIC Manufacturers and Drivers Required for Supported Operating Systems**

NIC Product Name	Microsoft® Windows® 2000	Microsoft Windows 2003 Family	Microsoft Windows 2008 Family	Red Hat® Linux® 4.
Broadcom® NetXtreme™ Family of Adapters (5721, 5722)	NA	11.4	11.4	3.92e
Broadcom NetXtreme II Family of Adapters (BCM5708, BCM5709)	NA	4.4	4.4	1.7.6b
Broadcom NetXtreme II Family of Adapter 10GbE (BCM57710)	NA	4.4	4.4	1.44.14
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 / 5.7.6.1 (In PRO/1000
3COM® 3C98x Family of Adapters	NA	NA	NA	NA
Alteon™ ACEnic™ Copper Gigabit	NA	NA	NA	NA

 **NOTE:** Dell no longer supports following NICs: **3COM® 3C98x Family of Adapters** and **Alteon™ ACEnic™ Copper Gigabit**.

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

## Dell™ Systems Software Support Matrix

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- [PERC 3/DC](#)
- [PERC 3/QC](#)
- [PERC 4/Di](#)
- [CERC ATA 100 4/CH](#)
- [PERC 3/Di](#)
- [PERC 4/IM](#)
- [PERC 4/SC](#)
- [CERC SATA 1.5/6 Channel](#)
- [PERC 4e/Di](#)
- [PERC 4e/Si](#)
- [PERC 5/E Adapter](#)
- [PERC 5/i Adapter](#)
- [PERC 5/i Integrated](#)
- [CERC 6/i Integrated](#)
- [SAS 5/iR Adapter](#)
- [SAS 5/iR Integrated](#)
- [SAS 5/i Integrated](#)
- [SAS 5/E Adapter](#)
- [PERC 6/i Integrated and Adapter](#)
- [PERC 6/E Adapter](#)
- [SAS 6/iR Integrated and Adapter](#)
- [LSI Logic 1020/1030 Ultra320 SCSI Adapter](#)
- [CERC SATA 1.5/2S](#)
- [LSI 1020/1030 Embedded SCSI Controller](#)
- [LSI Logic 2032 Card](#)

## 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:** 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).


Most of the systems management releases 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:

- 1 Version of the Storage Management Service
- 1 Dell system
- 1 Firmware version number required for a particular controller
- 1 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* either on the Dell Support website at [support.dell.com](http://support.dell.com).

Five types of controllers are included in this section:

- 1 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.
- 1 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.
- 1 The internal mirroring group, provided through the system BIOS, includes the PERC 4/IM controller.
- 1 The LSI 1020/1030 embedded SCSI controller.
- 1 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](http://support.dell.com) 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 9 and 10)
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
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

## 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
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

**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 9 and 10)
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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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
1.1	4.3	1970	5.46	6.41.2.32	2.10.7
1.2	4.4	198Q	5.48	6.46.2.32 (32-bit) 6.41.2.64 (64-bit)	2.10.7
2.0	5.0	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.1	5.1	198X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.2	5.2	199A	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA
2.3	5.3	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.4	5.4	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
3.0	5.5	199D	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
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

## 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
1.1	4.3	1970	5.46	6.41.2.32	2.10.7
1.2	4.4	198Q	5.48	6.46.2.32 (32-bit)	2.10.7

					6.41.2.64 (64-bit)	
2.0	5.0	198X	5.48		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.1	5.1	198X	5.48		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.2	5.2	199A	NA		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	NA
2.3	5.3	199D	5.48		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.4	5.4	199D	5.48		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
3.0	5.5	199D	5.48		6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
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
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 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 version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2						

## 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 9 and 10)
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
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)	2.10.10.1	2.20.4.4	NA	NA

				6.46.3.64 (64-bit)				
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
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

## 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
1.1	4.3	6.62	5.46	6.41.2.32	Native
1.2	4.4	6.62	5.46	6.41.2.32	2.10.1
2.0	5.0	6.62	5.46	6.41.2.32	2.10.1
2.1	5.1	6.62	5.46	6.41.2.32	2.10.1
2.2	5.2	6.62	NA	6.41.2.32	NA
2.3	5.3	6.62	NA	6.41.2.32	NA
2.4	5.4	6.62	NA	6.41.2.32	NA
3.0	5.5	6.62	NA	6.41.2.32	NA
3.0.2	6.0.1	6.62	NA	6.41.2.32	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 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 version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2

## 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
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

\* 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
1.1 on a PowerEdge 1650	4.3	2.8.0.6092	1.1.4*	NA
1.1 on a PowerEdge 2650	4.3	2.8.0.6092	1.1.4*	NA
1.1 on a PowerEdge 4600	4.3	2.8.0.6092	1.1.4*	NA
1.2 on a PowerEdge 1650	4.4	2.8.0.6092	1.1.4*	1.1.5.2372
1.2 on a PowerEdge 2650	4.4	2.8.0.6092	1.1.4*	1.1.5.2372
1.2 on a PowerEdge 4600	4.4	2.8.0.6092	1.1.4*	1.1.5.2372
2.0 on a PowerEdge 1650	5.0	2.8.1-6098	1.1.4*	1.1.5.2392
2.0 on a PowerEdge 2650	5.0	2.8.1-6098	1.1.4*	1.1.5.2392
2.0 on a PowerEdge 4600	5.0	2.8.1-6098	1.1.4*	1.1.5.2392
2.1 on a PowerEdge 1650	5.1	2.8.1-6098	1.1.4*	1.1.5.2392
2.1 on a PowerEdge 2650	5.1	2.8.1-6098	1.1.4*	1.1.5.2392
2.1 on a PowerEdge 4600	5.1	2.8.1-6098	1.1.4*	1.1.5.2392
2.2 on a PowerEdge 1650	5.2	2.8.1-6098	NA	1.1.5.2372.1
2.2 on a PowerEdge 2650	5.2	2.8.1-6098	NA	1.1.5.2372.1
2.2 on a PowerEdge 4600	5.2	2.8.1-6098	NA	1.1.5.2372.1
2.3 on a PowerEdge 1650	5.3	2.8.1-7692	NA	1.1.5.2372.1
2.3 on a PowerEdge 2650	5.3	2.8.1-7692	NA	1.1.5.2372.1
2.3 on a PowerEdge 4600	5.3	2.8.1-7692	NA	1.1.5.2372.1
2.4 on a PowerEdge 1650	5.4	2.8.1-7692	NA	1.1.5.2372.1
2.4 on a PowerEdge 2650	5.4	2.8.1-7692	NA	1.1.5.2372.1
2.4 on a PowerEdge 4600	5.4	2.8.1-7692	NA	1.1.5.2372.1
3.0	5.5	2.8.1-7692	NA	1.1.5.2372.1
3.0.2	6.0.1	2.8.1-7692	NA	1.1.5.2372.1

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

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 OpenM 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 L version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2

## 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
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

**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
1.1 on PowerEdge 1655MC	4.3	1.00.12.00 1.00.0c.00 Hex	NA	NA
1.0.1 on PowerEdge 1855	4.1.4	1.03.23.90	Native	NA
1.2 on PowerEdge 1655MC	4.4	1.00.12.00 1.00.0c.00 Hex	NA	NA
1.2 on PowerEdge 1855	4.4	1.03.23.90	Native	Native
2.0 on PowerEdge 1655MC	5.0	1.03.23.90	NA	NA
2.0 on PowerEdge 1855	5.0	1.03.23.90	Native	Native
2.1 on PowerEdge 1655MC	5.1	1.03.23.90	NA	NA
2.1 on PowerEdge 1855	5.1	1.03.23.90	Native	Native
2.2 on PowerEdge 1655MC	5.2	1.03.23.90	NA	NA
2.2 on PowerEdge 1855	5.2	1.03.23.90	NA	Native
2.3 on PowerEdge 1655MC	5.3	1.00.12.00	NA	NA
2.3 on PowerEdge 1855	5.3	1.03.23.90	2.05.16	Native
2.4 on PowerEdge 1655MC	5.4	1.00.12.00	NA	NA
2.4 on PowerEdge 1855	5.4	1.03.23.90	2.05.16	Native
3.0 on PowerEdge 1655MC	5.5	1.00.12.00	NA	NA
3.0 on PowerEdge 1855	5.5	1.03.23.90	2.05.16	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 Update 5 of Red Hat Enterprise Linux version 4, and Gold for SUSE Linux Enterprise Server version 10. Dell OpenManage version 5.5 supports only Update 5 of Red Hat Enterprise Linux version 4, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5, and Update 1 of Red Hat Enterprise Linux 6.

## 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
1.1	4.3	3500	5.46	6.41.2.32	2.10.7
1.2	4.4	351Q	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.7
2.0	5.0	351X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.1	5.1	351X	5.48	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	2.10.10.1
2.2	5.2	352B	NA	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	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
2.4	5.4	352D	5.48	6.46.2.32 (32-bit)	2.10.10.1

		(64-bit)		6.46.3.64 (64-bit)	
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
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

## 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

\* 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 server Driver
1.1	4.3	4.1.0-7403	1.1.4*	NA	NA
1.2	4.4	4.1.0.7406	1.1.4*	NA	NA
2.0	5.0	4.1.0.7417	1.1.4*	1.1.5-2372	NA
2.1	5.1	4.1.0.7417	1.1.4*	1.1.5-2372	NA
2.2	5.2	4.1.0.7417	NA	1.1.5-2392	NA
2.3	5.3	4.1.0.7419	NA	1.1.5-2392	NA
2.4	5.4	4.1.0.7419	NA	1.1.5-2392	NA
3.0	5.5	4.1.0.7419	NA	1.1.5-2392	NA
3.0.2	6.0.1	4.1.0.7419	NA	1.1.5-2392	NA

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

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 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 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 Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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	Dell	PERC	Windows	Windows	Red Hat	Red Hat	Red Hat	SUSE Linux
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Management Service	OpenManage Version	Firmware Version	2000 Driver	Server 2003 Driver	Enterprise Linux 3 Driver	Enterprise Linux 4 Driver	Enterprise Linux 5 server Driver	Enterprise Server (versions 9 and 10)
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
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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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 9 and 10)
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
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

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 for Red Hat Enterprise Linux 4, Update 2 for 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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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, and PowerVault 600.

[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)

**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 9 and 10)
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	00.00.03.13	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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.



## 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)

**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 9 and 10)
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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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 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	5.2.1-0067	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)

**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 9 and 10)
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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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)

**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
2.3	5.3	NA	NA	NA
2.4	5.4	6.0.2-0002	NA	00.00.03.16
3.0	5.5	6.1.1-0045	NA	00.00.03.21
3.0.2	6.0.1	6.1.1-0047	NA	00.00.03.21

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

## 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

**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 9 and 10)
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)
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)

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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

**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 9 and 10)
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)
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)

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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

**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 9 and 10)
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)
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)
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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.						

## 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, 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

**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 9 and 10)
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)
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)

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## PERC 6/i Integrated and Adapter

The PERC 6/i Integrated supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, R805, R900, 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) 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)

**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)
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

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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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)

**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)
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

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 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 9. 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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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

**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 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (versions 9 and 10)
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 / 4.00.07.00-2
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 / Native (version 4.00.07.00-2)
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 / 4.00.38.02-2
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

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 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 9. 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 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.

## 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	Windows Server 2003 Driver
----------------------------	-------------------------	-----------------------------	--------------	----------------------------

Service			Driver	
2.2	5.2		1.21.25.00	1.21.25.00
		<b>NOTE:</b> See the appropriate <b>readme</b> file for the latest information.		
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

**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
2.2	5.2		NA
		<b>NOTE:</b> See the appropriate <b>readme</b> file for the latest information.	
2.3	5.3	1.03.27.00.5.10.08.00.12	NA
2.4	5.4	1.03.27.00.5.10.08.00.12	NA
3.0	5.5	1.03.27.00.5.10.08.00.12	NA
3.0.2	6.0.1	1.03.27.00.5.10.08.00.12	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 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 version 9, and SP2 for SUSE Linux Enterprise Server version 10. Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2

## 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
1.1	4.3	NA	6.00.048	6.00.048	NA	NA
1.2	4.4	NA	6.00.050	6.00.050	NA	NA
2.0	5.0	NA	6.00.050	6.00.050	NA	NA
2.1	5.1	NA	6.00.050	6.00.050	NA	NA
2.2	5.2	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA
2.3	5.3	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA
2.4	5.4	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA
3.0	5.5	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	NA	NA
3.0.2	6.0.1	NA	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	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



1.1 on a PowerEdge 1600SC	4.3	1.03.04.00	1.08.19	1.08.18 (Native)	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
2.0 on a PowerEdge 1600SC	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.1 on a PowerEdge 1600SC	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.2 on a PowerEdge 1600SC	5.2	1.03.23	NA	Native	NA	Native
2.3 on a PowerEdge 1600SC	5.3	1.03.23	NA	Native	NA	Native
2.4 on a PowerEdge 1600SC	5.4	1.03.23	NA	Native	NA	Native
3.0 on a PowerEdge 1600SC	5.5	1.03.23	NA	Native	NA	Native

**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 D
1.1 on PowerEdge 1750	4.3	1.01.61.00	1.08.19	1.08.18 (Native)	NA	NA
1.1 on PowerEdge 2600	4.3	1.01.61.00	1.08.19	1.08.18 (Native)	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
1.2 on a PowerEdge 2600	4.4	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.0 on a PowerEdge 1750	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.0 on a PowerEdge 2600	5.0	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.1 on a PowerEdge 1750	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.1 on a PowerEdge 2600	5.1	1.03.23	1.09.11	1.09.11 (Native)	2.05.11.03	Native
2.2 on a PowerEdge 1750	5.2	1.01.61.00	NA	Native	NA	NA
2.2 on a PowerEdge 2600	5.2	1.01.61.00	NA	Native	NA	NA
2.3 on a PowerEdge 1750	5.3	1.01.61.00	NA	Native	NA	NA
2.3 on a PowerEdge 2600	5.3	1.01.61.00	NA	Native	NA	NA
2.4 on a PowerEdge 1750	5.4	1.01.61.00	NA	Native	NA	NA
2.4 on a PowerEdge 2600	5.4	1.01.61.00	NA	Native	NA	NA
3.0 on a PowerEdge 1750	5.5	1.01.61.00	NA	Native	NA	NA
3.0 on a PowerEdge 2600	5.5	1.01.61.00	NA	Native	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 the LSI Logic 2032 Card.

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

Storage Management Service	Dell OpenManage Version	PERC Firmware 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

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 4 Driver	Red Hat Enterprise Linux 5 server Driver	SUSE Linux Enterprise Server (version 10)
3.0.2	6.0.1	1.03.27.00.5.10.08.00.12	3.02.83.12-5	NA	NA
Dell OpenManage version 6.0.1 supports only Update 7 of Red Hat Enterprise Linux 4, Update 2 of Red Hat Enterprise Linux 5 server, and SP2 for SUSE Linux Enterprise Server version 10.					

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## Supported Dell Remote Access Controllers and Solutions

### Dell™ Systems Software Support Matrix

Dell™ Remote Access Controller (DRAC) is a systems management hardware and software solution designed to provide remote management capabilities, crashed system recovery, and power control functions.

By communicating with the system's Baseboard Management Controller (BMC), the DRAC (when installed) can be configured to send e-mail alerts for warnings or errors related to voltages, temperatures, intrusion, and fan speeds. DRAC also logs event data and the most recent crash screen (for systems running the Microsoft Windows operating system only) to help diagnose the probable cause of a system crash.

For more information on DRAC or iDRAC, see the *Dell Remote Access Controller User's Guide* or the *Integrated Dell Remote Access Controller User's Guide* available on the Dell Support website at [support.dell.com](http://support.dell.com).

Supported Remote Access Controller versions and firmware, as well as supported BMC IPMI protocol versions, are listed in [Table 5-1](#). [Table 5-1](#) lists the following DRAC types:

- 1 Integrated Dell Remote Access Controller (iDRAC)

**Table 5-1. Supported Remote Access Controllers and Solutions**

Dell System	Dell Remote Access Controllers (DRACs)		Baseboard Management Controller (BMC)		
	DRAC Type	Supported DRAC Firmware Version	Integrated BMC	BMC Firmware Version	Supported IPMI Protocol Versions
R710	iDRAC6	1.0	X		2.0
R610	iDRAC6	1.0	X		2.0
T610	iDRAC6	1.0	X		2.0
M610	iDRAC6	2.0	X (CMC)	1.29 or later	2.0
M710	iDRAC6	2.0	X (CMC)	1.29 or later	2.0

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