

# Dell Systems Software Support Matrix Version 6.4

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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

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Table 6-1. Supported Browsers Dell for OpenManage in Dell systems.

Operating System	Windows Server 2003	Windows Server 2003 x64	Windows Server 2003 x86_64	Windows XP	Windows XP 32-bit	Windows 7.0 32-bit	Windows 7.0 x64	Windows 7.0 Professional	Windows Server 2008	Windows Server 2008 x64	Windows Server 2008 x86_64	Windows Server R2 x64
Service Pack	SP2	SP2	SP2	SP3	SP3				SP2	SP2	SP2	
Browser	Internet Explorer 7.0  Internet Explorer 8.0  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Firefox 3.0	Internet Explorer 7.0  Internet Explorer 8.0  Firefox 3.0	Internet Explorer 8.0  Firefox 3.0  Firefox 3.5	Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.6 x64  Internet Explorer 8.0 x64  Firefox 3.6 x64	Internet Explorer 8.0  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.0  Firefox 3.5	Internet Explorer 7.0  Internet Explorer 8.0  Internet Explorer 8.0 x64  Firefox 3.0  Firefox 3.5

 **NOTE:** On 64 bit operating systems with WOW64 component, IT Assistant can be launched only in 32-bit Web browsers.

 **NOTE:** For the latest information, see the readme file for the specific product available on [support.dell.com/manuals](http://support.dell.com/manuals). On this page, click **Software > Systems Management > Dell OpenManage Releases**. Select the OpenManage Release version and then select the appropriate product to view the readme file.








M805		D, S	D, S	D, S	D, S	D, S
M905		D, S	D, S	D, S	D, S	D, S
M910		D, S	D, S	D, S	D, S	D, S
T100		*	D, S	*	*	D, S
T105		*	D, S	*	*	D, S
T110		D, S	D, S	D, S	D, S	D, S
T300		D, S	D, S	D, S	D, S	D, S
T310		D, S	D, S	D, S	D, S	D, S
T410		D, S	D, S	D, S	D, S	D, S
T605		D, S	D, S	D, S	D, S	D, S
T610		D, S	D, S	D, S	D, S	D, S
T710		D, S	D, S	D, S	D, S	D, S
6950		D, S	D, S	D, S	D, S	D, S
2970		D, S	D, S	D, S	D, S	D, S
2950		D, S	D, S	D, S	D, S	D, S
2900		D, S	D, S	D, S	D, S	D, S
1955		D, S	D, S	D, S	D, S	D, S
1950		D, S	D, S	D, S	D, S	D, S
1900		D, S	D, S	D, S	D, S	D, S
6850		D, S	D, S	D, S	D, S	D, S
6800		D, S	D, S	D, S	D, S	D, S
2850				D, S	D, S	D, S
2800				D, S	D, S	D, S
1855				D, S	D, S	D, S
1850				D, S	D, S	D, S
1800				D, S	D, S	D, S
860		D, S	D, S	D, S	D, S	D, S
850				D, S	D, S	D, S
840		D, S	D, S	D, S	D, S	D, S
830				D, S	D, S	D, S
800				D, S	D, S	D, S
SC1435		D, S	D, S	D, S	D, S	D, S
SC1430		D, S	D, S	D, S	D, S	D, S
SC1425				D, S	D, S	D, S
SC1420				D, S	D, S	
SC440		D, S	D, S	D, S	D, S	D, S
SC430				D, S	D, S	D, S
SC420				D, S	D, S	D, S

## Supported Change Management Software on Virtualization Operating Systems

Table 3-3 lists the supported Dell OpenManage 6.4 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.
- 1 An S in the intersection of the operating system and the Dell system columns indicates support for Server Update Utility.

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.

 **NOTE:** OMSA can be installed using VIB file on Embedded VMWare (ESX) operating systems.

 **NOTE:** DUPs are not supported on ESXi operating systems.

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

Dell System	Edition	VMware		Microsoft		Citrix
		ESX		Hyper-V	Hyper-V R2	XenServer 5.6 (HDD)
		4.0 U2 (HDD)	4.1			

R200		D, S	D, S	D, S	D, S	
R210		D, S	D, S	D, S	D, S	D, S
R300		D, S	D, S	D, S	D, S	D, S
R310		D, S	D, S	D, S	D, S	D, S
R410		D, S	D, S	D, S	D, S	D, S
R415		D, S	D, S	D, S	D, S	D, S
R510		D, S	D, S	D, S	D, S	D, S
R515		D, S	D, S	D, S	D, S	D, S
R610		D, S	D, S	D, S	D, S	D, S
R710		D, S	D, S	D, S	D, S	D, S
R715		D, S	D, S	D, S	D, S	D, S
R805		D, S	D, S	D, S	D, S	D, S
R805v			D, S	D, S	D, S	
R810		D, S	D, S	D, S	D, S	D, S
R815		D, S	D, S	D, S	D, S	D, S
R900		D, S	D, S	D, S	D, S	D, S
R905		D, S	D, S	D, S	D, S	D, S
R905v			D, S	D, S	D, S	
R910		D, S	D, S	D, S	D, S	D, S
M600		D, S	D, S	D, S	D, S	
M605		D, S	D, S	D, S	D, S	D, S
M610		D, S	D, S	D, S	D, S	D, S
M610x		D, S	D, S	D, S	D, S	D, S
M710		D, S	D, S	D, S	D, S	D, S
M710HD		D, S	D, S	D, S	D, S	D, S
M805		D, S	D, S	D, S	D, S	D, S
M905		D, S	D, S	D, S	D, S	D, S
M910		D, S	D, S	D, S	D, S	D, S
T100		D, S	D, S	D, S	D, S	
T105		D, S	*	*	*	
T110		D, S	D, S	D, S	D, S	D, S
T300		D, S	D, S	D, S	D, S	D, S
T310		D, S	D, S	D, S	D, S	D, S
T410		D, S	D, S	D, S	D, S	D, S
T605		D, S	D, S	D, S	D, S	
T610		D, S	D, S	D, S	D, S	D, S
T710		D, S	D, S	D, S	D, S	D, S
6950		D, S	D, S	D, S	D, S	
2970		D, S	D, S	D, S	D, S	
2950		D, S	D, S	D, S	D, S	D, S
2900		D, S	D, S	D, S	D, S	D, S
1955		D, S	D, S	D, S	D, S	
1950		D, S	D, S	D, S	D, S	D, S
1900				D, S	D, S	
6850		D, S				
6800		D, S				
2850		D, S				
2800		D, S				
1855						
1850		D, S				D, S
1800						D, S
860				D, S	D, S	
850						
840				D, S	D, S	
830						
800						
SC1435				D, S	D, S	D, S
SC1430				D, S	D, S	
SC1425						

SC1420						
SC440				D, S	D, S	
SC430						
SC420						

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## Supported Dell OpenManage Systems Management Software

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- [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 Server Administrator Web Server
- 1 Server Instrumentation
- 1 Remote Enablement
- 1 Remote Access Controller
- 1 Storage Management

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/manuals](http://support.dell.com/manuals).

### 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/manuals](http://support.dell.com/manuals).


## Documentation Conventions for Dell Systems


Table 2-1. Documentation Conventions for Dell Systems


<i>x8xx</i>	<i>x9xx</i>	<i>xx0x</i>	<i>xx1x</i>
800	1900	M600	M610
830	1950	M605	M710
840	1955	M805	M710HD
850	2900	M905	M910
860	2950	R200	R510
1800	2970	R300	R610
1850	6950	R805	R710
1855	PowerVault 100	R900	R715
2800	PowerVault 500	R905	R815
2850	PowerVault 600	T100	R910
6800	PowerVault DL2000	T105	T110
6850	PowerVault NX1950	T300	T310
		T605	T610
			T710
			PowerVault DL2200
			PowerVault DX6000
			PowerVault NX300
			PowerVault NX3100
			PowerVault NX31000



2950		X	X	X	X	X	X	X	X	X	X	X	X	X
2900				X	X	X	X	X	X	X	X	X	X	X
1955				X		X	X	X	X	X	X	X	X	X
1955MC							X	X	X	X	X	X		
1950		X	X	X	X	X	X	X	X	X	X	X	X	X
1900		X	X	X	X	X	X	X	X	X	X	X	X	X
6850				X		X	X	X	X	X	X	X	X	X
6800				X		X	X	X	X	X	X	X	X	X
2850				X	X	X	X	X	X	X	X	X	X	X
2800		X	X	X	X	X	X	X	X	X	X	X	X	X
1855				X		X	X	X	X	X	X	X	X	X
1855MC						X	X	X	X	X	X	X	X	X
1850				X	X	X	X	X	X	X	X	X	X	X
1800		X	X	X	X	X	X	X	X	X	X	X	X	X
860		X	X	X	X	X	X	X	X	X	X	X	X	X
850				X	X	X	X	X	X	X	X	X	X	X
840		X	X	X	X	X	X	X	X	X	X	X	X	X
830		X	X	X	X	X	X	X	X	X	X	X	X	X
800		X	X	X	X	X	X	X	X	X	X	X	X	X
SC1435				*	*	*	*	*	*	*	*	*		
SC1430		*	*	*	*	*	*	*	*	*	*	*		
SC1425				*		*	*	*	*	*	*	*	*	*
SC440		*	*	*	*	*	*	*	*	*	*	*		
SC430		*	*	*		*	*	*	*	*	*	*		
SC420		*	*	*		*	*	*	*	*	*	*		
PowerVault 100						X								
PowerVault 500				X		X								
PowerVault 600						X								
PowerVault DL2000				X		X								
PowerVault DL2100														
PowerVault DL2200														
PowerVault DX6000														
PowerVault NX300														
PowerVault NX1950						X								
PowerVault NX3000														
PowerVault NX3100														

 **NOTE:** Dell PowerVault DL2100 supports the installation of only the Windows Server 2008 x64 Standard Edition with SP2 or higher operating system.

 **NOTE:** Dell PowerVault DL2000 supports the installation of only the Windows Server 2008 x64 Standard Edition with SP1 or higher operating system.

 **NOTE:** Dell PowerVault DL2200 supports the installation of only the Windows Server 2008 x64 Standard Edition with SP2 or higher operating system.

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

**Table 2-3** lists the supported Dell OpenManage 6.4 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 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.
- 1 An (A) in the intersection of the operating system and the Dell system columns indicates support for Dell OpenManage software, but not for the Dell systems.

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

Dell System		SUSE Linux Enterprise Server 10 (x86_64)	SUSE Linux Enterprise Server 11 (x86_64)	Red Hat Enterprise Linux 5.5 (x86_32)	Red Hat Enterprise Linux 5.5 (x86_64)
	Edition				
	Service Pack	SP3	SP1		
R200		X	X	X	X
R210		X	X	X	X
R300		X	X	X	X
R310		X	X	X	X
R410		X	X	X	X
R415		X	X		X
R510		X	X	X	X
R515		X	X		X
R610		X	X	X	X
R710		X	X	X	X
R715		X	X		X
R805		X	X	X	X
R810		X	X	X	X
R815		X	X		X
R900		X	X	X	X
R905		X	X	X	X
R910		X	X	X	X
M600		X	X	X	X
M605		X	X	X	X
M610		X	X	X	X
M610x		X	X	X	X
M710		X	X	X	X
M710HD		X	X	X	X
M805		X	X	X	X
M905		X	X	X	X
M910		X	X	X	X
T100		*	*	*	*
T105		*	*	*	*
T110		X	X	X	X
T300		X	X	X	X
T310		X	X	X	X
T410		X	X	X	X
T605		X	X	X	X
T610		X	X	X	X
T710		X	X	X	X
6950		X	X	X	X
2970		X	X	X	X
2950		X	X	X	X
2900		X	X	X	X
1955		X	X	X	X
1950		X	X	X	X
1900		X	X	X	X
6850		X	X	X	X
6800		X	X	X	X
2850		X	X	X	X
2800		X	X	X	X
1855		X	X	X	X
1850		X	X	X	X
1800		X	X	X	X
860		X	X	X	X
850		X	X	X	X







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## Introduction

### Dell Systems Software Support Matrix Version 6.4

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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 this Release

The following are the changes in Dell OpenManage for this release:

- 1 Support for the following Microsoft Operating Systems: Windows Server 2008 HPC Edition R2
  - 1 Support for following Dell Systems: R415, R515
  - 1 Support for following PowerVault Systems: DX6000
  - 1 Support for the following Linux Operating Systems: Red Hat Enterprise Linux 6.0 (x86\_64)
- 

## 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
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</i> or the <i>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>

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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 Dell Management Console
- 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 Windows 7 Professional (32-bit x86) and (x64)
- 1 Microsoft Windows Server 2008 Web, Core Standard, and Core Enterprise (32-bit x86) editions with SP2
- 1 Microsoft Windows Server 2008 Core Standard, Core Enterprise, and Core Datacenter (x64) editions with SP2
- 1 Microsoft Windows Server 2008 R2 Standard and Core, Enterprise and Core, Datacenter and Core (x64) editions
- 1 Microsoft Windows Server 2008 Foundation
- 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 SP1
- 1 Microsoft Windows Small Business Server 2008 Standard and Premium editions SP2
- 1 Microsoft Windows Small Business Server 2008 Standard and Premium editions R2
- 1 Microsoft Windows Small Business Server 2003 Standard and Premium editions with SP2
- 1 Microsoft Windows Storage Server 2008 Express, Workgroup, Standard, and Enterprise x64 editions
- 1 Microsoft Windows Storage Server 2003 R2 Express, Workgroup, Standard, and Enterprise x64 editions with SP2
- 1 Microsoft Windows Server 2003 Compute Cluster Edition and Microsoft Windows Server 2008 HPC Edition
- 1 Microsoft Windows Unified Data Storage Server 2003 Standard and Enterprise x64 editions
- 1 Microsoft Windows XP Professional with SP3 (32-bit x86)
- 1 Microsoft Windows Vista Business and Enterprise editions.
- 1 Microsoft Windows 2008 HPC R2 edition.

### Linux Operating Systems

- 1 SUSE Linux Enterprise Server 11 (x86\_64) SP1
- 1 SUSE Linux Enterprise Server 10 with SP3 (x86\_64)
- 1 Red Hat Enterprise Linux 5 server with Update 5 (x86\_32)
- 1 Red Hat Enterprise Linux 5 server with Update 5 (x86\_64)
- 1 Red Hat Enterprise Linux 6.0 server

**Virtualization Operating Systems**

- 1 Microsoft Hyper-V, Hyper-V R2
- 1 VMware ESX version 4.0 update 2, and version 4.1
- 1 VMware ESXi version 4.0 update 2, and version 4.1
- 1 Citrix XenServer 5.6

 **NOTE:** For Dell OpenManage information specific to VMware, see the latest Installation Guide, Release Notes, and the Dell-VMware Compatibility Matrix in [support.dell.com/manuals](http://support.dell.com/manuals)

## 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 Languages	English Operating System	French Operating System	German Operating System	Spanish Operating System	Simplified Chinese Operating System	Japanese Operating System	Korean Operating System	Traditional Chinese Operating System	Turkish Operating System
English	X	X	X	X	X	X	X	X	
French		X							
German			X						
Spanish				X					
Simplified Chinese					X				
Japanese						X			
Korean									
Traditional Chinese									

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## Supported Dell OpenManage Systems Management Consoles

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- [Support Operating Systems for Server Administrator Web Server](#)
- [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 RACADM, VMCLI, and iVMCLI
- 1 BMC Management Utility and IPMItool out-of-band
- 1 IPMItool in-band

### Support for Server Administrator Web Server

Dell OpenManage Server Administrator Web Server allows you to remotely manage and monitor your entire network of managed systems from your system (which maybe a laptop, desktop, or server). You have to install Server Administrator Web Server on your system and install server instrumentation on the managed systems.

### Supported Microsoft Windows Operating Systems for Server Administrator and Server Administrator Web Server

Table 4-1. Supported Microsoft Windows Server Operating Systems for Server Administrator and Server Administrator Web Server on your system

	Windows Server 2003		Windows Server 2003						Windows Server 2008		Windows Serv	
	32-bit	x64	x86			x64			32-bit	x86		
	Edition		Web	Standard	Enterprise	Web	Standard	Enterprise		Web	Standard	Ei
Service Pack	SP2	SP2	R2-SP2	R2-SP2	R2-SP2	SP2	SP2	SP2	SP2	SP2	SP2	SP2
Server Administrator			X	X	X	X	X	X		X	X	
Server Administrator Web Server	X	X	X	X	X	X	X	X	X	X	X	

Table 4-2. Supported Microsoft Windows Client Operating Systems for Server Administrator Web Server on your system

	Windows XP	Windows XP x86	Windows Vista	Windows Vista	Windows Vista	Windows 7.0 32-bit	Windows 7.0 x64	Windows 7.0 x86
	32-bit	Professional	32-bit	x64	Business and Enterprise			Professional
	Service Pack	SP3	SP3	SP2	SP2	SP2		
Server Administrator Web Server	X	X	X	X	X	X	X	X

### Supported Linux Operating Systems for Server Administrator and Server Administrator Web Server

Table 4-3. Supported Linux Operating Systems for Server Administrator on your system


	SUSE Linux Enterprise Server 11 (x86_64)	SUSE Linux Enterprise Server 10 (x86_64)	Red Hat Enterprise Linux Server 5.5	Red Hat Enterprise Linux Server 5.5 (32-bit)	Red Hat Enterprise Linux Server 5.5 x86_64	Red Hat Enterprise Linux Server 6.0 x86_64
	Edition		32-bit			


Service Pack	SP1	SP3				
Server Administrator	X	X	X	X	X	X
Server Administrator Web Server	X	X	X	X	X	X

## Supported Virtualization Operating Systems for Server Administrator and Server Administrator Web Server

Table 4-4. Supported Virtualization Operating Systems Server Administrator and Server Administrator Web Server on your system

Edition	VMware		VMware			Microsoft		Citrix
	ESXi	ESXi	ESX					
	4.0 Update 1 Flash/HDD	4.1 Flash/HDD	4.0 U1	4.0 U2	4.1	Hyper-V	Hyper-V R2	XenServer 5.6 (HDD)
Physical System Support	X	X	X		X	X		X
Server Administrator	X	X	X	X	X	X	X	X
Server Administrator Web Server		X		X	X			

 **NOTE:** Server Administrator comprises Server Instrumentation, Storage Management, Remote Access Components, and Remote Enablement.

 **NOTE:** Server Administrator Web Server component cannot be installed on Dell systems running ESXi operating systems

### Supported Operating Systems for Server Administrator Web Server on your managed system (servers)

For information on supported operating systems on managed systems, see [Supported Dell OpenManage Systems Management Software](#).

## Supported Microsoft Windows Pre-installation Environment Support for DTK

Table 4-9. Supported Microsoft Windows Server Operating Systems for DTK

DTK	Windows Preinstallation Environment 2.0	Windows Preinstallation Environment 2.0	Windows Preinstallation Environment 3.0	Windows Preinstallat
	32-bit	64-bit	32-bit	64-
	X	X	X	X

## Supported Linux Operating Systems for DTK

Table 4-10. Supported Linux Operating Systems for DTK

DTK	Red Hat Enterprise Linux Server 4.0	Red Hat Enterprise Linux Server 4.0	Red Hat Enterprise Linux Server 5.0	Red Hat Enterprise Linux Server 5.0
	32-bit	64-bit	32-bit	64-bit
	X	X	X	X

## 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 4-11. Supported Microsoft Windows Operating Systems for IT Assistant

	Windows Server 2003 x86	Windows Server 2003 R2 x86			Windows Server 2008 x86			Windows Server 2008 R2 x64		Windows XP x86	Windows Vista	
Edition		Web	Standard	Enterprise	Web	Standard	Enterprise	Standard	Enterprise	Professional	Business	Enterprise
Service Pack	SP2	SP2	SP2	SP2	SP2	SP2	SP2			SP3	SP2	SP
IT Assistant	X	X	X	X	X	X	X	X	X	X	X	X

 **NOTE:** IT Assistant can be installed on Dell systems running Windows 2008 R2 x64 and Windows 7.0 x64 operating systems with WOW64 component enabled.

## 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 3.0). For more information on supported browsers, see the [Supported Browsers](#) section.

## Supported Virtualization Operating Systems

IT Assistant can be installed on guest operating systems installed on the virtualization operating systems listed in [Table 4-6](#).

**Table 4-12. Supported Virtualization Operating Systems on Physical System**

Edition	VMware			VMware				Microsoft	Citrix
	ESXi	ESXi	ESXi	ESX		ESX			
	4.0 Update 1 Flash/HDD	4.0 Update 2 Flash/HDD	4.1 Update 1 Flash/HDD	4.0 Update 1	4.0 Update 2	4.1	4.1 Update 1	Hyper-V	XenServer 5.6 (HDD)
Physical System Support	X	X	X	X	X	X	X	X	X

**Table 4-13. Supported Operating Systems on Virtual System**

Operating System on Physical System	Supported Guest Operating System
<b>VMware ESXi</b> For the latest list, see <a href="http://www.vmware.com">http://www.vmware.com</a> .	<ul style="list-style-type: none"> <li>1 Microsoft Windows Vista x86 Enterprise Edition</li> <li>1 Microsoft Windows Server 2008 x86 SP2 Enterprise Edition</li> <li>1 Microsoft Windows Server 2003 x86 R2-SP2 Family</li> <li>1 Microsoft Windows XP Professional x86 SP3</li> <li>1 Microsoft Windows 7.0 x86 Professional Edition</li> <li>1 Microsoft Windows 7.0 x64</li> <li>1 Microsoft Windows Server 2008 R2 x64</li> </ul>
<b>VMware ESX</b> For the latest list, see <a href="http://www.vmware.com">http://www.vmware.com</a> .	<ul style="list-style-type: none"> <li>1 Microsoft Windows Vista x86 Enterprise Edition</li> <li>1 Microsoft Windows Server 2008 x86 SP2 Enterprise Edition</li> <li>1 Microsoft Windows Server 2003 x86 R2-SP2 Family</li> <li>1 Microsoft Windows XP Professional x86 SP3</li> <li>1 Microsoft Windows 7.0 x86 Professional Edition</li> <li>1 Microsoft Windows 7.0 x64</li> <li>1 Microsoft Windows Server 2008 R2 x64</li> </ul>
<b>Microsoft Hyper-V</b> For the latest list, see <a href="http://www.microsoft.com">http://www.microsoft.com</a> .	<ul style="list-style-type: none"> <li>1 Microsoft Windows Vista x86 Enterprise Edition</li> <li>1 Microsoft Windows Server 2008 x86 SP2 Enterprise Edition</li> <li>1 Microsoft Windows Server 2003 x86 R2-SP2 Family</li> <li>1 Microsoft Windows XP Professional x86 SP3</li> <li>1 Microsoft Windows 7.0 x86 Professional Edition</li> <li>1 Microsoft Windows 7.0 x64</li> <li>1 Microsoft Windows Server 2008 R2 x64</li> </ul>

## Supported Systems for RACADM

RACADM is a command-line utility that enables administrators to configure and replicate settings across multiple Dell remote access controllers (DRACs). The RACADM utility supports operations through the use of command-line parameters, switches, and a configuration file that contains all data required to configure a DRAC.

## Supported Microsoft Windows Operating Systems for the RACADM Utility

An X in the operating system column indicates support for the RACADM utility.

Table 4-14. Supported Microsoft Windows Operating Systems for RACADM

	Windows Server 2003 32-bit	Windows Server 2003 x64	Windows Server 2008 32-bit	Windows Server 2008 x64	Windows Server 2008 R2 x64	Windows
Edition						32-bit
Service Pack	SP2	SP2	SP2	SP2		SP3
Remote RACADM	X	X	X	X	X	X
Local RACADM	X	X	X	X	X	

## Supported Linux Operating Systems for the RACADM Utility

An X in the operating system column indicates support for the RACADM utility.

Table 4-15. Supported Linux Operating Systems for RACADM

	SUSE Linux Enterprise Server 11 (x64)	SUSE Linux Enterprise Server 11 (x64)	SUSE Linux Enterprise Server 10 (x64)	Red Hat Enterprise Linux 4.0 (Embedded)	Red Hat Enterprise Linux 5.5 server (32-bit)	Red Hat Enterprise Linux 5.5 server (x64)	Red Hat Enterprise Linux 6.0 server (x64)
Edition							
Service Pack		SP3					
Remote RACADM	X	X	X		X	X	X
Local RACADM	X	X	X	X	X	X	X

## Supported ESX Operating Systems for the RACADM Utility

An X in the operating system column indicates support for the RACADM utility.

Table 4-16. Supported ESX Operating Systems for RACADM

	ESX 4.0 U2	ESX 4.1 U1
Remote RACADM	X	X
Local RACADM	X	X

## Supported Microsoft Operating Systems for the RACADM Utility

An X in the operating system column indicates support for the RACADM utility.

Table 4-17. Supported Microsoft Operating Systems for RACADM

	Microsoft

	Hyper-V	Hyper-V R2
Remote RACADM	X	X
Local RACADM	X	X

---

## Supported Systems for VMCLI and iVMCLI

### Supported Microsoft Windows Operating Systems for VMCLI and iVMCLI

An X in the operating system column indicates support for the VMCLI and iVMCLI.

**Table 4-14. Supported Microsoft Windows Operating Systems for VMCLI and iVMCLI**

	Windows Server 2003 32-bit	Windows Server 2003 x64	Windows Server 2008 32-bit	Windows Server 2008 x64	Windows Server 2008 R2 x64	Windows
Edition						Professional x86
Service Pack	SP2	SP2	SP2	SP2		SP3
VMCLI and iVMCLI	X	X	X	X	X	

### Supported Linux Operating Systems for the VMCLI and iVMCLI

An X in the operating system column indicates support for the VMCLI and iVMCLI utility.

**Table 4-15. Supported Linux Operating Systems for VMCLI and iVMCLI**

	SUSE Linux Enterprise Server 11 x64	SUSE Linux Enterprise Server 11 x64	SUSE Linux Enterprise Server 10 x64	Red Hat Enterprise Linux 5.5 server 32-bit	Red Hat Enterprise Linux 5.5 server x64	Red Hat Enterprise Linux 6.0 server 64-bit
Edition						
Service Pack		SP1	SP3			
VMCLI and iVMCLI	X	X	X	X	X	X

---

## Supported Systems for 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).

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## Supported Microsoft Windows Operating Systems for IPMI Tool Out-of-Band

An X in the operating system column indicates IPMI Tool out-of-band support.

Table 4-18. Supported Microsoft Windows Operating Systems for BMU and IPMI tool Out-of-Band

	Windows Server 2003	Windows Server 2003	Windows Server 2008	Windows Server 2008	Windows Server 2008 R2	Windows XP
Edition	32-bit	x64	32-bit	x64	x64	32-bit
Service Pack	SP2	SP2	SP2	SP2		SP3
IPMI Tool Out-of-band	X	X	X	X	X	X

### Supported Linux Operating Systems for IPMI Tool Out-of-Band

An X in the operating system column indicates IPMI Tool.

Table 4-19. Supported Linux Operating Systems for IPMI Tool

	SUSE Linux Enterprise Server 11 (x86_64)	SUSE Linux Enterprise Server 10 (x86_64)	Red Hat Enterprise Linux 4.8 (x86_32)			Red Hat Enterprise Linux 4.8 (x86_64)			Red Hat Enterprise Linux 5.5 server (x86_32)	Red Hat Enterprise Linux 5.5 server (x86_64)
Edition			WS	ES	AS	WS	ES	AS		
Service Pack	SP1	SP3								
IPMI Tool Out-of-band	X	X	X	X	X	X	X	X	X	X

### Supported Microsoft Windows Operating Systems for IPMI Tool

An X in the operating system column indicates IPMI Tool support.

Table 4-20. Supported Microsoft Windows Operating Systems for IPMI Tool

	Windows Server 2003	Windows Server 2008	Windows Server 2008	Windows Server 2008 R2	Windows XP	Windows Vista	Windows Vista	Windows Vista
Edition	32-bit	32-bit	x64	x64	32-bit	32-bit	x64	
Service Pack	SP2	SP2	SP2		SP2			
IPMI Tool	X	X	X	X	X	X	X	

### Supported Linux Operating Systems for IPMI Tool

An X in the operating system column indicates BMU support.

Table 4-21. Supported Linux Operating Systems for BMU

	SUSE Linux Enterprise Server 10 x64	SUSE Linux Enterprise Server 11 x64	SUSE Linux Enterprise Server 11 x64	Red Hat Enterprise Linux Server 5.5	Red Hat Ent
Edition				32-bit	



Service Pack	SP3		SP1		
IPMI Tool	X	X	X	X	

## Supported Virtualization Operating Systems for IPMI Tool

An X in the operating system column indicates IPMITool support.

Table 4-22. Supported ESX Operating Systems for IPMITool

	ESX 4.0 U2	ESX 4.1 U1
Edition		
Service Pack		
IPMI Tool	X	X

## Supported Microsoft Operating Systems for IPMI Tool

An X in the operating system column indicates support for IPMITool.

Table 4-23. Supported Microsoft Operating Systems for IPMITool

	Microsoft	
	Hyper-V	Hyper-V R2
Edition		
Service Pack		
IPMI Tool	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

An X in the operating system column indicates IPMITool in-band support.

Table 4-24. Supported Microsoft Windows Operating Systems for IPMI Tool In-Band

	Windows Server 2003	Windows Server 2003	Windows Server 2008	Windows Server 2008	Windows Server 2008 R2	Windows Ser
Edition	32-bit	x64	32-bit	x64	32-bit	x6
Service Pack	SP2	SP2	SP2	SP2		
IPMI Tool In-band	X	X	X	X	X	X

# Supported Linux Operating Systems for IPMI tool In-Band

An X in the operating system column indicates IPMITool in-band support.

Table 4-25. Supported Linux Operating Systems for IPMITool In-Band

	SUSE Linux Enterprise Server 11 (x86_64)	SUSE Linux Enterprise Server 10 (x86_64)	Red Hat Enterprise Linux 4.8 (x86_32)			Red Hat Enterprise Linux 4.8 (x86_64)			Red Hat Enterprise Linux 5.5 server (x86_32)	Red Hat Enterprise Linux 5.5 server (x86_64)
Edition			WS	ES	AS	WS	ES	AS		
Service Pack	SP1	SP3								
IPMI Tool In-band	X	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 Version 6.4

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

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### 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.


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### 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.

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

NIC Product Name	Microsoft Windows 2003 Family	Microsoft Windows 2008 Family	Red Hat Enterprise Linux Server 5.5
Broadcom NetXtreme Family of Adapters (5721, 5722)	14.2.0	14.2.0	Drivers provided by OS
Broadcom NetXtreme II Family of Adapters (BCM5708, BCM5709)	14.2.0	14.2.0	Drivers provided by OS
Broadcom NetXtreme II Family of Adapter 10GbE (BCM57710)	14.2.0	14.2.0	Drivers provided by OS
Intel EtherExpress Family of Adapters	12.0.0	12.0.0	12.0.0

 **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 Version 6.4

- [Overview](#)
- [PERC 4/DC](#)
- [PERC 4e/DC](#)
- [PERC 4/Di](#)
- [CERC ATA 100 4/CH](#)
- [PERC 4/IM](#)
- [PERC 4/IM on ES3005](#)
- [PERC 4/IM on PowerEdge 1655MC](#)
- [PERC 4/IM on a Two-processor 7U Modular System](#)
- [PERC 4/SC](#)
- [CERC SATA 1.5/6 Channel](#)
- [PERC 4e/Di](#)
- [PERC 4e/Si](#)
- [PERC 5/E](#)
- [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/i Int Modular](#)
- [PERC 6/E Adapter](#)
- [SAS 6/iR Integrated and Adapter](#)
- [SAS 6/int Modular](#)
- [SAS 6 Gbps HBA](#)
- [LSI Logic 1020/1030 Ultra320 SCSI Adapter](#)
- [CERC SATA 1.5/2S](#)
- [LSI 1020/1030 Embedded SCSI Controller](#)
- [LSI Logic 2032 Card](#)
- [PERC H700 Integrated and Adapter](#)
- [PERC H800 Adapter](#)
- [PERC H700 Modular](#)
- [PERC H200 Integrated and Adapter](#)

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## 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).

 **NOTE:** This chapter contains release specific RAID Controller Supported Servers, Operating Systems, Firmware, and Driver versions details. For detailed information on RAID controller supported servers, operating systems, firmware, and driver versions, see *Dell OpenManage Server Administrator Compatibility Guide* available on the Dell Support website at [support.dell.com/manuals](http://support.dell.com/manuals).


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* on the Dell Support website at [support.dell.com](http://support.dell.com).

The following types of controllers are included in this section:

- 1 The RAID controller card group contains the following controllers: 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 Adapter, PERC 6/i Adapter, PERC 6/i Integrated, PERC H200 Adapter, PERC H200 Integrated, PERC H200 Modular, PERC H700, PERC H800, 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 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: 800, 1800, 1850, 2800, 2850, 6800, 6850, 1900, 1950, 1955, 2900, 2950, 2970, and 6950.

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

[Table 8-1](#) and [Table 8-2](#) 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	Windows Server 2003 Driver
3.2	6.4	352D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Enterprise Server
3.2	6.4	352D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native	Native	Native	Native

## 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 8-3](#) and [Table 8-4](#) shows the other elements supported by the PERC 4e/DC.

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 Driver
3.2	6.4	5B2D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native (32-bit) Native (64-bit)	v6.53.0.64

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	5B2D	Native	Native	Native	Native	Native

## PERC 4/Di

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

The PERC 4 /Di on a 2-processor 5U System-XP supports the following Dell PowerEdge systems: 2600

[Table 8-5](#) shows the other elements supported by the PERC 4/Di.

**Table 8-5. Storage Management Service Supported Elements: PERC 4/Di**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 64-bit Driver
3.2	6.4	422D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native (32-bit) Not Applicable (64-bit)	Native	Native	NA

## CERC ATA 100 4/CH

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

[Table 8-6](#) shows the other elements supported by the CERC ATA 100 4/CH.

**Table 8-6. Storage Management Service Supported Elements: CERC ATA 100 4/CH**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 SP3
3.2	6.4	6.62	6.41.2.32 (32-bit) 6.41.2.32 (64-bit)	Not Supported (32-bit) Not Supported (64-bit)	Native	Native	NA

## PERC 4/IM

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

[Table 8-7](#) and [Table 8-8](#) show the other elements supported by the PERC 4/IM.

**Table 8-7. Storage Management Service Supported Elements: PERC 4/IM**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	1.03.23.90	1.09.11 (32-bit) Native SP1 1.09.11.53 (64-bit)	Native (32-bit) Native (64-bit)

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11
3.2	6.4	1.03.23.90	Native	NA	Native

## PERC 4/IM on ES3005

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

[Table 8-9](#) and [Table 8-10](#) show the other elements supported by the PERC 4/IM.

**Table 8-9. Storage Management Service Supported Elements: PERC 4/IM**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	1.03.23.90	Native (32-bit) NA (64-bit)	Not Supported (32-bit) Not Supported (64-bit)

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11
3.2	6.4	1.03.23.90	Native	NA	Native

## PERC 4/IM on PowerEdge 1655MC

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

[Table 8-11](#) and [Table 8-12](#) show the other elements supported by the PERC 4/IM.

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	1.03.23.90	Native (32-bit) NA (64-bit)	Not Supported (32-bit) Not Supported (64-bit)

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE L Server
3.2	6.4	1.03.23.90	Native	NA	Native

## PERC 4/IM on a Two-processor 7U Modular System

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

[Table 8-13](#) and [Table 8-14](#) show the other elements supported by the PERC 4/IM.

Table 8-13. Storage Management Service Supported Elements: PERC 4/IM

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	1.03.23.90	1.09.11 (32-bit) Native SP1 1.09.11.53 (64-bit)	Native (32-bit) Native (64-bit)

Table 8-14. Storage Management Service Supported Elements: PERC 4/IM

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE L Server
3.2	6.4	1.03.23.90	Native	NA	Native

## PERC 4/SC

The PERC 4/SC supports the following Dell PowerEdge systems: 800, 830, 850, 1800, and 1850.

[Table 8-15](#) and [Table 8-16](#) show the other elements supported by the PERC 4/SC.

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver
3.2	6.4	352D (64-bit)	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)

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

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver
3.2	6.4	352D	6.46.2.32 (32-bit)	Native	Native	Not Appli

	(64-bit)	6.46.3.64 (64-bit)		
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## CERC SATA 1.5/6 Channel

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

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

[Table 8-17](#) and [Table 8-18](#) show the other elements supported by the CERC SATA 1.5/6 Channel.

**Table 8-17. Storage Management Service Supported Elements: CERC SATA 1.5/6 Channel**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	4.1.0.7419	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 8-18. Storage Management Service Supported Elements: CERC SATA 1.5/6 Channel**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	4.1.0.7419	Native	NA	Native
* 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, 6850, 1900, 1950, 1955, 2900, 2950, 2970, and 6950.

[Table 8-19](#) shows the other elements supported by the PERC 4e/Di.

**Table 8-19. Storage Management Service Supported Elements: PERC 4e/Di**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 R2 Driver	Red Hat Enterprise Linux 5.5 Server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver
3.2	6.4	5B2D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native (32-bit) Native (64-bit)	v6.53.0.64	Native	Native	NA

## PERC 4e/Si

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

[Table 8-20](#) show the other elements supported by the PERC 4e/Si.

**Table 8-20. Storage Management Service Supported Elements: PERC 4e/Si**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 R2 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	5B2D	6.46.2.32 (32-bit) 6.46.3.64 (64-bit)	Native (32-bit) Native (64-bit)	v6.53.0.64	Native	Native	NA	NA



## PERC 5/E

The PERC 5/E supports the following Dell PowerEdge systems: 840, 860, 1850, 2850, 6800, 6850, 1900, 1950, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, R515, and R805.

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

[Table 8-21](#) and [Table 8-22](#) show the other elements supported by the PERC 5/E.

**Table 8-21. Storage Management Service Supported Elements: PERC 5/E**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 R2
3.2	6.4	5.2.2-0076	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 Dell A03 (32-bit) 2.24.0.64 Dell A03 (64-bit)	Native 4.5.0.64

**Table 8-22. Storage Management Service Supported Elements: PERC 5/E**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	SUSE Linux 9 64-bit Driver	SUSE Linux 10 64-bit Driver
3.2	6.4	5.2.2-0076	00.00.03.21-6	00.00.03.21-6

## PERC 5/E Adapter

The PERC 5/E Adapter supports the following Dell PowerEdge systems: 840, 860, 1850, 2850, 6800, 6850, 1900, 1950, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, R515, and R805.

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

The PERC 5/E Adapter supports the following Dell Storage systems: MD1000, MD1100.

The PERC 5/E Adapter supports six enclosures.

[Table 8-23](#) and [Table 8-24](#) 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 8-23. Storage Management Service Supported Elements: PERC 5/E Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server 2008 R2
3.2	6.4	5.2.2-0076	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	Native 4.5.0.64

**Table 8-24. Storage Management Service Supported Elements: PERC 5/E Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	5.2.2-0076	Native	00.00.03.21-6	Native

## PERC 5/i Adapter

The PERC 5/i Adapter supports the following Dell PowerEdge systems: 840, 6850, 1900, 1950, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, R515, and 1430SC.

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

[Table 8-25](#) and [Table 8-26](#) show the other elements supported by the PERC 5/i Adapter.

**Table 8-25. Storage Management Service Supported Elements: PERC 5/i Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 R2 Driver
3.2	6.4	5.2.3-0074	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	Native 4.5.0.64

**Table 8-26. Storage Management Service Supported Elements: PERC 5/i Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	5.2.2-0072	Native	00.00.03.21-6	00.00.03.21-6	00.00.03.21-6	Native

## PERC 5/i Integrated

The PERC 5/i Integrated supports the following Dell PowerEdge systems: 1900, 1950, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, and R515.

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

[Table 8-27](#) and [Table 8-28](#) show the other elements supported by the PERC 5/i Integrated.

**Table 8-27. Storage Management Service Supported Elements: PERC 5/i Integrated**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2000 Driver	Windows Server 2003 Driver	Windows Server 2008 Driver
3.2	6.4	5.2.3-0074	2.14.0.32	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)

**Table 8-28. Storage Management Service Supported Elements: PERC 5/i Integrated**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3	SUSE Linux Enterprise Server 11 SP1
3.2	6.4	5.2.3-0074	Native	00.00.03.21-6	00.00.03.21-6	00.00.03.21-6	Native

## CERC 6/i Integrated

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

[Table 8-29](#) and [Table 8-30](#) show the other elements supported by the CERC 6/i Integrated.

**Table 8-29. 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 Driver
3.2	6.4	6.2.0-0013	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)

**Table 8-30. Storage Management Service Supported Elements: CERC 6/i Integrated**

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 SP3	SUSE 11 S
3.2	6.4	6.2.0-0013	Native	00.00.03.21-6	Native

## 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 8-31](#) and [Table 8-32](#) show the other elements supported by the SAS 5/iR Adapter.

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

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.4	00.10.51.00 / 06.12.05.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	Native 1.28.5.32

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

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3
3.2	6.4	00.10.51.00.06.12.05.00	Native	3.12.29.00-6	4.00.38.02-3	4.00.38.02-3

## SAS 5/iR Integrated

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

[Table 8-33](#) and [Table 8-34](#) show the other elements supported by the SAS 5/iR Integrated.

Table 8-33. Storage Management Service Supported Elements: SAS 5/iR Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.2	00.10.51.00 / 06.12.05.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	Native 1.28.5.32

Table 8-34. Storage Management Service Supported Elements: SAS 5/iR Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3
3.2	6.4	00.10.51.00 / 06.12.05.00	Native	3.12.29.00-6	4.00.38.02-3	4.00.38.02-3

## SAS 5/i Integrated

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

[Table 8-35](#) and [Table 8-36](#) show the other elements supported by the SAS 5/i Integrated controller.

Table 8-35. Storage Management Service Supported Elements: SAS 5/i Integrated

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.4	00.10.51.00.06.12.05.00	1.28.03.01	1.28.03.01	Native 1.28.5.32

Table 8-36. Storage Management Service Supported Elements: SAS 5/i Integrated

Storage Management	Dell OpenManage Version	SAS Firmware/BIOS Version	Red Hat Enterprise	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server 10 SP3

Service			Linux 5.5 server Driver			
3.2	6.4	00.10.51.00.06.12.05.00	Native	3.12.29.00-6	4.00.38.02-3	4.00.38.02-3

## 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 8-37](#) and [Table 8-38](#) show the other elements supported by the SAS 5/E Adapter.

**Table 8-37. Storage Management Service Supported Elements: SAS 5/E Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.4	00.10.51.00 / 06.12.05.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	Native 1.28.5.32

**Table 8-38. Storage Management Service Supported Elements: SAS 5/E Adapter**

Storage Management Service	Dell OpenManage Version	SAS Firmware/BIOS Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)
3.2	6.4	00.10.51.00.06.12.05.00	Native	3.12.29.00-6	4.00.38.02-3	4.00.38.02-3

## PERC 6/i Integrated and Adapter

The PERC 6/i Integrated supports the following Dell PowerEdge systems: 1900, 1955, and 6950, T410, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, R515, 1950, 2900, 2950, 2970, R805, R900, T610, R410, 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: R410, R905, T300, and T605.

[Table 8-39](#) and [Table 8-40](#) show the other elements supported by the PERC 6/i Integrated and Adapter.

**Table 8-39. 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	Windows Server R2 2008
3.2	6.4	6.3.0-0001	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) Dell A03 2.24.0.64 (64-bit) Dell A03	Native 4.5.0.64

**Table 8-40. Storage Management Service Supported Elements: PERC 6/i Integrated and Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
3.2	6.4	6.3.0-0001	Native	00.00.03.21-6	00.00.03.21-6	00.00.03.21-6	Native

## PERC 6/i Int Modular

The PERC 6/i Int modular supports the following Dell PowerEdge systems: 1900, 1950, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, R515, R805, and R900.

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

[Table 8-41](#) and [Table 8-42](#) show the other elements supported by the PERC 6/i Integrated and Adapter.

Table 8-41. Storage Management Service Supported Elements: PERC 6/i Int Modular

Storage Management Service	Dell OpenManage Version	PERC Firmware	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.4	6.3.0-0001	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	Native 4.5.0.64

Table 8-42. Storage Management Service Supported Elements: PERC 6/i Int Modular

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
3.2	6.4	6.3.0-0001	Native	3.12.29.00-6	4.00.78.02-3	00.00.03.21-6	Native

## 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, R410, R610, and R710 1900, 1955, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, and R515.

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

The PERC 6/E Adapter supports the following Dell Storage systems: MD1000, MD1100.

The PERC 6/E Adapter supports six storage enclosures.

[Table 8-43](#) and [Table 8-44](#) show the other elements supported by the PERC 6/E Adapter.

Table 8-43. Storage Management Service Supported Elements: PERC 6/E Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware	Windows Server 2003 Driver	Windows Server 2008
3.2	6.4	6.3.0-0001	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)

Table 8-44. Storage Management Service Supported Elements: PERC 6/E Adapter

Storage Management Service	Dell OpenManage Version	PERC Firmware	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
3.2	6.4	6.2.0-0013	Native	00.00.03.21-6	00.00.03.21-6	00.00.03.21-6	Native

## 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, R410, R610, R710, M610, and M710 1900, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, and R515.

The SAS 6/iR Adapter supports the following Dell PowerEdge systems: R200, R300, R410, T105, T300, R905, T100, and T605.

[Table 8-45](#) and [Table 8-46](#) shows the other elements supported by the SAS 6/iR Integrated and Adapter.

Table 8-45. 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 Driver	Windows Server R2 2008
3.2	6.4	00.25.47.00 / 06.22.03.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	Native 1.28.5.32

Table 8-46. Storage Management Service Supported Elements: SAS 6/iR Integrated and Adapter

Storage	Dell OpenManage	SAS Firmware/	Red Hat Enterprise Linux	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)

Management Service	Version	BIOS Version	5.5 server Driver		
3.2	6.4	00.25.47.00 / 06.22.03.00	Native	4.00.78.02-3	Native

## SAS 6/int Modular

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

[Table 8-47](#) shows the other elements supported by the SAS 6/iR Integrated and Adapter.

**Table 8-47. Storage Management Service Supported Elements: SAS 6 Gbps HBA**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver
3.2	6.4	00.25.47.00 / 06.22.03.00	3.12.29.00-6	4.00.78.02-3

## SAS 6 Gbps HBA

The SAS 6 Gbps HBA supports the following Dell PowerVault systems: PowerVault 500, PowerVault 600, and PowerVault DL2000.

The SAS 6 Gbps HBA also supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, R805, R900, M600, M605, M805, M905, T610, R410, R610, R710, M610, and M710.

The SAS 6 Gbps HBA supports the following Dell PowerEdge systems: R200, R300, R410, T105, T300, R905, T100, and T605.

[Table 8-48](#) and [Table 8-49](#) shows the other elements supported by the SAS 6/iR Integrated and Adapter.

**Table 8-48. Storage Management Service Supported Elements: SAS 6 Gbps HBA**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
3.2	6.4	07.01.33.00	2.0.12.10 (32-bit) 2.0.12.10 (64-bit)	2.0.12.10 (32-bit) 2.0.12.10 (64-bit)	Native 1.28.5.32

**Table 8-49. Storage Management Service Supported Elements: SAS 6 Gbps HBA**

Storage Management Service	Dell OpenManage Version	SAS Firmware/ BIOS Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11)
3.2	6.4	00.25.47.00 / 06.22.03.00	Native	02.00.02.00	4.00.78.02-3	Native

## 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 8-50](#) and [Table 8-51](#) show the other elements supported by LSI Logic 1020/1030 Ultra320 SCSI adapter.

**Table 8-50. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter**

Storage Management Service	Dell OpenManage Version	PERC Firmware/ BIOS Version	Windows Server 2003 Driver
3.2	6.4	1.03.27.00.5.10.08.00.12	1.21.25.00

**Table 8-51. 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 5.5 server Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux (version 11)
3.2	6.4	1.03.27.00.5.10.08.00.12	Native	NA	Native

## CERC SATA 1.5/2S

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

[Table 8-52](#) show the other elements supported by the CERC SATA 1.5/2S.

**Table 8-52. Storage Management Service Supported Elements: CERC SATA 1.5/2S**

Storage Management Service*	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Ent (version 10 SP)
3.2	6.4	NA	6.0.50.5 (32-bit) 6.0.3643.4 (64-bit)	Native	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 8-53](#) and [Table 8-54](#) show the other elements supported by the LSI 1020/1030.

**Table 8-53. Storage Management Service Supported Elements: LSI 1020**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 9 64-bit Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Er Server (version 10 S)
3.2	6.4	1.03.23	1.09.11	Native	NA	NA	NA

**Table 8-54. Storage Management Service Supported Elements: LSI 1030**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux (version 11)
3.2	6.4	1.03.23	1.09.11	Native	NA	Native

## 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 8-55](#) and [Table 8-56](#) show the other elements supported by the LSI Logic 2032 Card.

**Table 8-55. Storage Management Service Supported Elements: LSI Logic 2032 Card**

Storage Management Service	Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server R2 2008 Driver
3.2	6.4	1.03.27.00.5.10.08.00.12	1.21.25.00	Native

**Table 8-56. Storage Management Service Supported Elements: LSI Logic 2032 Card**

Storage Management	Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Ser (version 11 SP1)

Service			Driver		
3.2	6.4	1.03.27.00.5.10.08.00.12	Native	NA	Native

## PERC H700 Integrated and Adapter

The PERC H700 Integrated supports the following Dell PowerEdge systems: R710, R815, R715, R510, T610, R610, T710, R410, T410, M610, M710, T710, T310, R310, R210, T110, R810, R910, M910, R415, and R515.

The PERC H700 Adapter supports the following Dell PowerEdge systems: R310, R410, T310, and T410.

The PERC H700 Adapter supports the following Dell PowerVault systems: PowerVault NX300.

[Table 8-57](#) and [Table 8-58](#) show the other elements supported by the PERC H700 Integrated and Adapter.

**Table 8-57. Dell OpenManage Supported Elements: PERC H700 Integrated and Adapter**

Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server 2008 R2
6.4	12.10.0-0025	4.31.1.32 (32-bit) Dell A02 4.31.1.64 (64-bit) Dell A02	4.31.1.32 (32-bit) Dell A02 4.31.1.64 (64-bit) Dell A02	4.31.1.64 (64-bit) Dell A02

**Table 8-58. Dell OpenManage Supported Elements: PERC H700 Integrated and Adapter**

Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.0 Driver	Red Hat Enterprise Linux 5.5 server Driver	Red Hat Enterprise Linux 6.0 server Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
6.4	12.10.0-0025	00.00.04.27	00.00.04.31.2-1 Dell A12	Native	00.00.04.31.2-1 Dell A12	Native

## PERC H800 Adapter

The PERC H800 Adapter supports the following Dell PowerEdge systems: R710, R815, T410, R715, R210, R510, T310, R310, T610, R610, R410, T710, and M20X.

The PERC H800 Adapter supports the following Dell Storage systems: MD1200 and MD1220.

The PERC H800 Adapter supports eight storage devices.

[Table 8-59](#) and [Table 8-60](#) show the other elements supported by the PERC H800 Adapter.

**Table 8-59. Dell OpenManage Supported Elements: PERC H800 Adapter**

Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008 Driver	Windows Server 2008 Driver R2
6.4	12.10.0-0025	4.31.1.32 (32-bit) Dell A02 4.31.1.64 (64-bit) Dell A02	4.31.1.32 (32-bit) Dell A02 4.31.1.64 (64-bit) Dell A02	4.31.1.64 (64-bit) Dell A02

**Table 8-60. Dell OpenManage Supported Elements: PERC H800 Adapter**

Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	Red Hat Enterprise Linux 5.5 server Driver	Red Hat Enterprise Linux 6.0 server Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
6.4	12.3.0-0032	00.00.04.31.2-1 Dell A12	Native	Native	00.00.04.31.2-1 Dell A12	Native

## PERC H700 Modular

The PERC H700 Modular supports the following Dell PowerEdge systems: M610 and M710.



[Table 8-61](#) and [Table 8-62](#) show the other elements supported by the PERC H700 Modular.

**Table 8-61. Dell OpenManage Supported Elements: PERC H700 Modular**

Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008
6.4	12.3.0-0032	4.31.1.32 (32-bit) 4.31.1.64 (64-bit)	4.31.1.32 (32-bit) 4.31.1.64 (64-bit)

**Table 8-62. Dell OpenManage Supported Elements: PERC H700 Modular**

Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	SUSE Linux Enterprise Server 10 64-bit Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
6.4	12.3.0-0032	(Native)	00.00.04.29	00.00.04.17-2	Native

## PERC H200 Integrated and Adapter

The PERC H200 Adapter supports the following Dell PowerEdge Systems: T410, R210, T110, T310, R310, T610, R410, and T710.

The PERC H200 Integrated supports the following Dell PowerEdge Systems: R710, R815, R715, R510, T610, R610, and T710.

The PERC H200 Modular supports the following Dell PowerEdge Systems: M710 and M610.

[Table 8-63](#) and [Table 8-64](#) show the other elements supported by the PERC H200 Modular controllers.

**Table 8-63. Dell OpenManage Supported Elements: PERC H200 Modular Controller**

Dell OpenManage Version	PERC Firmware Version	Windows Server 2003 Driver	Windows Server 2008	Windows Server R2 2008
6.4	07.01.33.00 Dell A03	2.0.12.10 (32-bit) Dell A00 2.0.12.10 (64-bit) Dell A00	2.0.12.10 (32-bit) Dell A00 2.0.12.10 (64-bit) Dell A00	2.0.12.20 (64-bit) Dell A01

**Table 8-64. Dell OpenManage Supported Elements: PERC H200 Modular Controller**

Dell OpenManage Version	PERC Firmware Version	Red Hat Enterprise Linux 5.5 server Driver	Red Hat Enterprise Linux 6.0 server Driver	SUSE Linux Enterprise Server (version 10 SP3)	SUSE Linux Enterprise Server (version 11 SP1)
6.4	07.01.33.00 Dell A03	02.00.03.00-1 Dell A02	Native	02.00.00.00-5 (x86_64) Dell A02	Native

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## Supported Dell Remote Access Controllers and Solutions

### Dell Systems Software Support Matrix Version 6.4

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/manuals](http://support.dell.com/manuals).

Supported Remote Access Controller versions and firmware, as well as supported BMC IPMI protocol versions, are listed in [Table 5-1](#) and [Table 5-2](#). The tables list the following DRAC types:

- 1 Integrated Dell Remote Access Controller 6 (iDRAC6)
- 1 Integrated Dell Remote Access Controller (iDRAC)
- 1 Dell Remote Access Controller 5 (DRAC 5)
- 1 Dell Remote Access Controller/Modular Computer (DRAC/MC)
- 1 Dell Remote Access Controller 4 (DRAC 4)
- 1 Dell Chassis Management Controller (CMC)

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

Dell System	DRACs		CMC Firmware Version	BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version			
M600	iDRAC	1.52	3.00	N/A	2.2
M605	iDRAC	1.52	3.00	N/A	2.2
M610	iDRAC6	3.00	3.00	N/A	2.2
M710	iDRAC6	3.00	3.00	N/A	2.2
M710X	iDRAC6	3.00	3.00	N/A	2.2
M610x	iDRAC6	3.00	3.00	N/A	2.2
M710HD	iDRAC6	3.00	3.00	N/A	2.2
M805	iDRAC	1.52	3.00	N/A	2.2
M905	iDRAC	1.52	3.00	N/A	2.2
M910	iDRAC6	3.00	3.00	N/A	2.2
1955	DRAC/MC	1.5	N/A	2.03	2.0
1855	DRAC/MC	1.5	N/A	1.01 or later	1.5

**Table 5-2. Supported Remote Access Controllers and Solutions for Rack and Tower Servers**

Dell System	DRACs		BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version		
R200	DRAC 4	1.75	1.29 or later	2.0
R210	iDRAC6	1.50	1.3	2.0
R300	DRAC 5	1.51	2.34	2.0
R310	iDRAC6	1.50	NA	2.0
R410	iDRAC6	1.50	1.3	2.0
R510	iDRAC6	1.51	1.3	2.0
R610	iDRAC6	1.50	1.29 or later	2.0
R710	iDRAC6	1.50	1.29 or later	2.0
R715	iDRAC6	1.50	NA	2.0
R805	DRAC 5	1.51	2.38	2.0
R810	iDRAC6	1.50	NA	2.0
R815	iDRAC6	1.50	NA	2.0
R900	DRAC 5	1.51	2.32	2.0
R905	DRAC 5	1.51	2.31	2.0
R910	iDRAC6	1.50	NA	2.0
T110	No iDRAC support		1.3	2.0

T300	DRAC 5	1.51	2.34	2.0
T310	iDRAC6	1.50	1.3	2.0
T410	iDRAC6	1.50	1.3	2.0
T605	DRAC 5	1.51	2.30	2.0
T610	iDRAC6	1.50	1.29 or later	2.0
T710	iDRAC6	1.50	1.29 or later	2.0
6950	DRAC 5	1.51	2.29	2.0
2970	DRAC 5	1.51	2.29	2.0
2950	DRAC 5	1.51	2.28	2.0
2900	DRAC 5	1.51	2.28	2.0
1955	DRAC/MC	1.50	2.03	2.0
1950	DRAC 5	1.51	2.28	2.0
1900	DRAC 5	1.51	2.29	1.5
6850	DRAC 4	1.75	1.40 or later	1.5
6800	DRAC 4	1.75	1.40 or later	1.5
2850	DRAC 4	1.75	1.23 or later	1.5
2800	DRAC 4	1.75	1.23 or later	1.5
1855	DRAC/MC	1.5	1.01 or later	1.5
1800	DRAC 4	1.75	1.23 or later	1.5
860	DRAC 4	1.75	1.67 or later	1.5
850	DRAC 4	1.75	1.44 or later	1.5
840	DRAC 4	1.75	1.67 or later	1.5
830	DRAC 4	1.75	1.44 or later	1.5
800	DRAC 4	1.75	1.30 or later	1.5
PowerVault 100	DRAC 5	1.51	1.29 or later	2.0
PowerVault 500	DRAC 5	1.51	1.29 or later	2.0
PowerVault 600	DRAC 5	1.51	1.29 or later	2.0
PowerVault DL2000	DRAC 5	1.51	1.29 or later	2.0
PowerVault DL2200	iDRAC6	1.50	1.5	2.0
PowerVault NX1950	DRAC 5	1.51	1.29 or later	2.0
PowerVault NX3000	iDRAC6	1.50	1.29 or later	2.0
PowerVault NX3100	iDRAC6	1.50		
PowerVault NX300	iDRAC6	1.50	1.29 or later	2.0
PowerVault DL2100	iDRAC6	1.50		2.0
PowerVault DX6000	iDRAC6	1.50	NA	2.0
SC1435			2.29	2.0
SC1430				
SC1425			1.30 or later	1.5
SC440				
SC430				
SC420				

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Server 11 (x86_64) with SP1																				
<b>Virtualization Operating Systems</b>																				
VMware ESX version 4.0 update 2	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	?
VMware ESX version 4.1	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	?
VMware ESXi version 4.0 update 2 HDD version	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	?
VMware ESXi version 4.1 HDD	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	?
Citrix XenServer 5.6 (HDD)	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X	X, *	X, *	X, *	X, *	?
Microsoft Hyper-V R2	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	X, *	?

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