Dell Systems Management - OpenManage Software Support Matrix

Version 8.3

Notes, cautions, and warnings

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

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Contents

Introduction

The Dell Systems Management Software Support Matrix helps identify Dell OpenManage software and other Dell components supported on Dell PowerEdge/PowerVault systems, browsers, and operating systems.

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

Topics:

- What is new in this release
- Structure of this guide
- Accessing documents from Dell support site
- Where can I find the Server Administrator one-to-one agent
- Supported GUI languages
- Documentation conventions for Dell systems

What is new in this release

This release adds support for the following:

- **New operating systems**:
    - Red Hat Enterprise Linux 6.7
    - Red Hat Enterprise Linux 7.2
    - SUSE Linux Enterprise Server 12 SP1
    - ESXi 6.0 U2
- CMC 5.10
- OpenManage Essentials v2.1
- OpenManage Mobile v1.4 for Android and iOS
- iDRAC Service Module 2.3
- The Systems Management Tools and Documentation (SMTD) Media would provide guidance on the OpenManage Products/tools.

Structure of this guide

Dell OpenManage solutions and tools allow customers to quickly respond to problems by helping them to manage Dell servers effectively and efficiently; in physical, virtual, local, and remote environments, operating in-band and out-of-band (agent-free).

This guide is organized on the basis of in-band and out-of-band management and monitoring.

Accessing documents from Dell support site

You can access the required documents in one of the following ways:
- Using the following links:
    - For all Enterprise Systems Management documents — **Dell.com/SoftwareSecurityManuals**
    - For OpenManage documents — **Dell.com/OpenManageManuals**
    - For Remote Enterprise Systems Management documents — **Dell.com/esmmanuals**
    - For OpenManage Connections Enterprise Systems Management documents — **Dell.com/OMConnectionsEnterpriseSystemsManagement**

- ○ For Serviceability Tools documents — **Dell.com/ServiceabilityTools**
- ○ For OpenManage Connections Client Systems Management documents — **Dell.com/DellClientCommandSuiteManuals**
- From the Dell Support site:
  1. Go to **Dell.com/Support/Home**.
  2. Under **Select a product** section, click **Software & Security**.
  3. In the **Software & Security** group box, click the required link from the following:
     - ○ **Enterprise Systems Management**
     - ○ **Remote Enterprise Systems Management**
     - ○ **Serviceability Tools**
     - ○ **Dell Client Command Suite**
     - ○ **Connections Client Systems Management**
  4. To view a document, click the required product version.
- Using search engines:
  - ○ Type the name and version of the document in the search box.

Where can I find the Server Administrator one-to-one agent

Supported versions of Server Administrator are available at **dell.com/support** and also on the *Dell Systems Management Tools and Documentation* DVD.

Supported GUI languages

Dell OpenManage is localized to French, German, Spanish, Simplified Chinese, and Japanese languages.

The following table lists the languages of the Dell OpenManage GUI against the operating system languages. Dell OpenManage supports only the languages listed in the following table.

Table 1. Supported Dell OpenManage GUI Languages

Dell OpenManage GUI Languages	Operating System							
	English	**French**	**German**	**Spanish**	**Simplified Chinese**	**Japanese**	**Korean**	**Traditional Chinese**
English	X						X	X
French		X						
German			X					
Spanish				X				
Simplified Chinese					X			
Japanese						X		
Korean								
Traditional Chinese								

Documentation conventions for Dell systems

The following table lists the documentation conventions followed for Dell systems.

Table 2. Documentation Conventions for Dell Systems

10th generation of PowerEdge servers	11th generation of PowerEdge servers	12th generation of PowerEdge servers	13th generation of PowerEdge servers
M600	M610	R220	R430
M605	M610x	R320	R530
M805	M710	R420	R630
M905	M710HD	R520	R730
R200	M910	R620	R730 XD
R300	M915	R720	M630
R805	R210	R720XD	FC630
R900	R210 II	R820	M830
R905	R310	R920	FC430
T100	R410	M420	T430
T105	R415	M520	T630
T300	R510	M620	C4130
T605	R515	M820	R7910
	R610	T320	FC830
	R710	T420	R930
	R715	T620	C6320
	R810		R330
	R815		R230
	R910		T330
	T110		T130
	T110 II		
	T310		
	T410		
	T610		
	T710		
	PowerVault DL2200		
	PowerVault DX6000		
	PowerVault NX200		
	PowerVault NX300		
	PowerVault NX3000		
	PowerVault NX3100		

2

In-band server management and monitoring

In-band server management is the process of managing and monitoring servers using operating system tools, and other inbuilt tools, using Dell OpenManage Server Administrator.

Topics:

- Supported Dell OpenManage Systems Management Software
- Dell OpenManage Server Administrator v8.3
- Supported Operating Systems for Server Administrator Web Server on your Managed System (Servers)
- Supported Dell OpenManage Systems Management Consoles
- Supported web browsers for In-band management and monitoring

Supported Dell OpenManage Systems Management Software

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

Dell OpenManage systems management software consists of Dell OpenManage Server Administrator.

Dell OpenManage Server Administrator (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:

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

For more information, see the *Dell OpenManage Server Administrator User's Guide* available at **dell.com/ openmanagemanuals**.

Supported Dell OpenManage Systems Management Software on Windows Operating Systems

The following table lists the supported Dell OpenManage 8.3 installation and systems management software on systems running supported Microsoft Windows operating systems.

An **X** in the intersection of the operating system and the Dell system columns indicates that Server Administrator is supported on that operating system for the corresponding system.

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 3. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1				Microsoft Windows Small Business Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	
	Workgroup, Standard, Essentials, DataCenter	Standard, Foundatio n, Enterprise	DataCenter	Web	Foundation, Standard, Enterprise, and DataCenter	Essentials	Standard, Premium Add- on
M600	X	X		X	X		
T605	X	X			X		X
M610	X	X		X	X		
M610x	X	X	X	X	X		
M710	X	X		X	X		
M710 HD	X	X		X	X		
M910	X	X	X	X	X		
M915							
R210	X	X	X		X	X	X
R210 II	X	X	X		X		X
R310	X	X	X		X	X	X
R410	X	X	X	X	X		X
R415	X	X	X	X	X		X
R510	X	X		X	X		X
R515	X	X	X	X	X		X
R610	X	X	X	X	X		X
R710	X	X	X	X	X	X	X
R715	X	X	X	X	X	X	X
R810	X	X		X	X		
R815	X	X		X	X		
R910	X	X	X	X	X		
T110	X	X			X		X
T110 II	X	X	X		X	X	X
T310	X	X		X	X	X	X

Table 3. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1				Microsoft Windows Small Business Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	
	Workgroup, Standard, Essentials, DataCenter	Standard, Foundation, Enterprise	DataCenter	Web	Foundation, Standard, Enterprise, and DataCenter	Essentials	Standard, Premium Add- on
T410	X	X		X	X		X
T610	X	X		X	X		X
T710	X	X		X	X		X
PowerVault DL 220	X	X	X	X	X		X
PowerVault DX 6000	X	X	X	X	X		X
PowerVault NX 200							
PowerVault NX 300	X	X	X	X	X		X
PowerVault NX 300	X	X	X	X	X		X
PowerVault NX 310	X	X	X	X	X		X
M420		X	X	X	X		
M520		X	X		X		
M620		X	X		X		
M820		X	X		X		
R220		X	X	X	X	X	X
R320		X		X	X		
R420		X	X	X	X		
R520		X	X		X		
R620		X	X	X	X		
R720		X	X	X	X		
R720 XD		X	X	X	X		
R820		X	X		X		

Table 3. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1				Microsoft Windows Small Business Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	
	Workgroup, Standard, Essentials, DataCenter	Standard, Foundation, Enterprise	DataCenter	Web	Foundation, Standard, Enterprise, and DataCenter	Essentials	Standard, Premium Add- on
R920		X	X	X	X	X	X
T320		X		X			X
T420		X	X	X	X		X
T620		X	X	X	X		
PowerVault NX 400							
PowerVault NX 320							
PowerVault NX 330							
R730		X	X	X	X		
R730 XD		X	X	X	X		
R630		X	X	X	X		
T630		X	X	X	X		
R430		X	X	X	X		
R530		X	X	X	X		
T430		X	X	X	X		
R930					X	X	X
M630		X	X	X	X		
FC 630		X	X	X	X		
C4130	X	X	X		X		X
R7910							
M630		X	X	X			
M830		X	X	X			
FC 830		X	X	X	X		

Table 3. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1				Microsoft Windows Small Business Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	
	Workgroup, Standard, Essentials, DataCenter	Standard, Foundation, Enterprise	DataCenter	Web	Foundation, Standard, Enterprise, and DataCenter	Essentials	Standard, Premium Add- on
FC 630		X	X	X	X		
FC 430		X	X	X	X		
R330	X	X	X	X		X	X
R230	X	X	X	X		X	X
T330	X	X	X	X		X	X
T130						X	X

Table 4. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Storage Server, Microsoft Windows Server Operating Systems

Dell System	Microsoft Windows Storage Server 2008 SP2				Microsoft Windows Server 2012		Microsoft Windows Server 2012 R2			
	Basic	Standard	Enterprise	WorkGroup	Standard	Essentials	Foundation	Essentials	Standard	DataCenter
M600					X				X	X
T605					X				X	
M610					X				X	X
M610x					X				X	X
M710					X				X	X
M710 HD					X				X	X
M910					X				X	X
M915					X	X				
R210					X		X		X	
R210 II					X	X	X	X	X	
R310					X	X		X	X	
R410					X				X	X
R415					X				X	X

Table 4. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Storage Server, Microsoft Windows Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2				Microsoft Windows Server 2012		Microsoft Windows Server 2012 R2			
	Basic	Standard	Enterprise	WorkGroup	Standard	Essentials	Foundation	Essentials	Standard	DataCenter
R510					X				X	X
R515					X				X	X
R610					X				X	X
R710	X	X			X				X	X
R715	X	X			X				X	X
R810					X				X	X
R815					X				X	X
R910					X				X	X
T110					X		X		X	
T110 II					X	X	X	X	X	
T310					X	X		X	X	
T410					X				X	X
T610					X				X	X
T710					X				X	X
PowerVault DL 220					X					
PowerVault DX 6000					X					
PowerVault NX 200	X									
PowerVault NX 300		X			X					
PowerVault NX 300		X	X		X					
PowerVault NX 310		X			X					
M420					X				X	X
M520					X				X	X
M620					X				X	X

Table 4. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Storage Server, Microsoft Windows Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2				Microsoft Windows Server 2012		Microsoft Windows Server 2012 R2			
	Basic	Standard	Enterprise	WorkGroup	Standard	Essentials	Foundation	Essentials	Standard	DataCenter
M820					X				X	X
R220	X	X	X	X	X	X	X	X	X	X
R320					X	X		X	X	
R420					X				X	X
R520					X				X	X
R620		X	X		X				X	X
R720		X			X				X	X
R720 XD		X			X					
R820					X				X	X
R920	X	X	X	X	X	X	X	X	X	X
T320					X	X	X		X	
T420					X				X	X
T620					X				X	X
PowerVault NX 400										
PowerVault NX 320										
PowerVault NX 330										
R730	X	X	X	X	X	X	X	X	X	X
R730 XD	X	X	X	X	X	X	X	X	X	X
R630	X	X	X	X	X	X	X	X	X	X
T630	X	X	X	X	X	X	X	X	X	X
R430					X	X	X	X	X	X
R530					X	X	X	X	X	X
R930					X	X	X	X	X	X
T430					X	X	X	X	X	X
M630					X	X	X	X	X	X

Table 4. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Storage Server, Microsoft Windows Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2				Microsoft Windows Server 2012		Microsoft Windows Server 2012 R2			
	Basic	Standard	Enterprise	WorkGroup	Standard	Essentials	Foundation	Essentials	Standard	DataCenter
FC 630					X	X	X	X	X	X
C4130			X	X	X	X	X	X	X	X
R7910										
M630					X	X	X	X	X	X
M830					X	X	X	X	X	X
FC 830					X	X	X	X	X	X
FC 630					X	X	X	X	X	X
FC 430					X	X	X	X	X	X
R330					X	X	X	X	X	
R230					X	X	X	X	X	
T330					X	X	X	X	X	
T130					X	X	X	X	X	

Table 5. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Operating Systems

Dell System	Microsoft Windows 7.0 32-bit and 64-bit	Microsoft Windows 8.1
M600		
T605		
M610		
M610x		
M710		
M710 HD		
M910		
M915		
R210		
R210 II		
R310		
R410		

Table 5. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Operating Systems (continued)

Dell System	Microsoft Windows 7.0 32-bit and 64-bit	Microsoft Windows 8.1
R415		
R510		
R515		
R610		
R710		
R715		
R810		
R815		
R910		
T110		
T110 II		
T310		
T410		
T610		
T710		
PowerVault DL 220		
PowerVault DX 6000		
PowerVault NX 200		
PowerVault NX 300		
PowerVault NX 300		
PowerVault NX 310		
M420		
M520		
M620		
M820		
R220		
R320		
R420		

Table 5. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Operating Systems (continued)

Dell System	Microsoft Windows 7.0 32-bit and 64-bit	Microsoft Windows 8.1
R520		
R620		
R720		
R720 XD		
R820		
R920		
T320		
T420		
T620		
PowerVault NX 400		
PowerVault NX 320		
PowerVault NX 330		
R730		
R730 XD		
R630		
T630		
R430		
R530		
R930		
T430		
M630		
FC 630		
C4130		
R7910	X	X
M630		
M830		
FC 830		
FC 630		

Table 5. Supported Dell OpenManage 8.3 Systems Management Software on Systems Running Microsoft Windows Operating Systems (continued)

Dell System	Microsoft Windows 7.0 32-bit and 64-bit	Microsoft Windows 8.1
FC 430		
R330		
R230		
T330		
T130		

Supported Dell OpenManage Systems Management Software on Linux Operating Systems

The following table lists the supported Dell OpenManage 8.3 installation and systems management software on systems running supported Linux operating system.

An **X** in the intersection of the operating system and the Dell system columns indicates that Server Administrator is supported on that operating system for the corresponding Dell system.

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 6. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems

Dell System	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.2
M600	X	X	X	
M605	X	X	X	
M805	X	X	X	
M905	X	X	X	
R200	X	X	X	
R300	X	X	X	
R805	X	X	X	
R900	X	X	X	
R905	X	X	X	
T100	X	X	X	
T105	X	X	X	
T300	X	X	X	
T605	X	X	X	
M610	X	X	X	

Table 6. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems (continued)

Dell System	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.2
M610x	X	X	X	
M710	X	X	X	
M710HD	X	X	X	
M910	X	X	X	X
M915				X
R210	X	X	X	
R210 II	X	X	X	
R310	X	X	X	
R410	X	X	X	
R415	X	X	X	X
R510	X	X	X	
R515			X	X
R610	X	X	X	X
R710	X	X	X	X
R715	X	X	X	
R810	X	X	X	
R815	X	X	X	
R910	X	X	X	X
T110	X	X	X	
T110 II	X	X	X	X
T310	X	X	X	
T410	X	X	X	
T610	X	X	X	
T710	X	X	X	
PowerVault DL2200				
PowerVault DX6000				
PowerVault NX200				

Table 6. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems (continued)

Dell System	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.2
PowerVault NX300				
PowerVault NX3000				
PowerVault NX3100				
M420	X	X	X	X
M520			X	X
M620			X	X
M820	X	X	X	X
R220	X	X	X	X
R320	X	X	X	X
R420	X	X	X	X
R520	X	X	X	X
R620	X	X	X	X
R720	X	X	X	X
R720XD	X	X	X	X
R820	X	X	X	X
R920	X	X	X	X
T320	X	X	X	X
T420	X	X	X	X
T620	X	X	X	
PowerVault NX400				X
PowerVault NX3200				
PowerVault NX3300				
R730	X	X	X	X
R730 XD	X	X	X	X
R930			X	X

Table 6. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems (continued)

Dell System	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.2
R630	X	X	X	X
T630	X	X	X	X
R430	X	X	X	X
R530	X	X	X	X
T430	X	X	X	X
M630	X	X	X	X
FC630	X	X	X	X
C4130			X	X
R7910			X	X
M630	X	X	X	X
M830	X	X	X	X
FC630	X	X	X	X
FC830	X	X	X	X
FC430	X	X	X	X
R330	X	X	X	
R230	X	X	X	
T330	X	X	X	
T130	X	X	X	

Supported Dell OpenManage Systems Management Software On Virtualization Operating Systems

An **X** in the intersection of the operating system and the Dell system columns indicates that the Server Administrator is supported on that operating system for the corresponding Dell system.

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.

The following table lists the supported Dell OpenManage 8.3 installation and systems management software on systems running supported Virtualization operating systems.

(i) **NOTE:** OpenManage Software supports VMware ESXi 5.1 U3 operating system only on the 11th generation of Dell's PowerEdge servers.

Table 7. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems

Dell System	VMware	
	ESXi 5.1 U3 (Flash and HDD)	ESXi 5.5 U3
M600		X
M605		
M805		X
M905		X
R200		
R300		
R805		X
R900		X
R905		X
T100		
T105		
T300		
T605		
M610	X	X
M610x	X	X
M710	X	X
M710HD	X	X
M910	X	X
M915	X	X
R210	X	X
R210 II	X	X
R310	X	X
R410	X	X
R415	X	X
R510	X	X
R515	X	X
R610	X	X
R710	X	X

Table 7. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems (continued)

Dell System	VMware	
	ESXi 5.1 U3 (Flash and HDD)	ESXi 5.5 U3
R715	X	X
R810	X	X
R815	X	X
R910	X	X
T110	X	X
T110 II	X	X
T310	X	X
T410	X	X
T610	X	X
T710	X	
PowerVault DL2200		
PowerVault DX6000		
PowerVault NX200		
PowerVault NX300		
PowerVault NX3000		
PowerVault NX3100		
M420	X	
M520	X	
M620	X	
M820	X	
R220	X	
R320	X	
R420	X	
R520	X	
R620	X	
R720	X	
R720XD	X	
R820	X	

Table 7. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems (continued)

Dell System	VMware	
	ESXi 5.1 U3 (Flash and HDD)	ESXi 5.5 U3
R920	X	
T320	X	
T420	X	
T620	X	
PowerVault NX400		
PowerVault NX3200		
PowerVault NX3300		
R730	X	
R730 XD	X	
R630	X	
T630	X	
R430	X	
R530		
R930	X	
T430	X	
M630	X	
FC630	X	
C4130		
R7910		
M630	X	
M830	X	
FC630	X	
FC830	X	
FC430	X	
R330	X	X
R230	X	X
T330	X	X
T130	X	X

Table 8. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems for Hypervisors

Dell System	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
M600	X	X
M605	X	X
M805	X	X
M905	X	X
R200	X	X
R300	X	X
R805	X	X
R900	X	X
R905	X	X
T100	X	X
T105	X	X
T300	X	X
T605	X	X
M610	X	X
M610x	X	X
M710	X	X
M710HD	X	X
M910	X	X
M915	X	X
R210	X	X
R210 II	X	X
R310	X	X
R410	X	X
R415	X	X
R510	X	X
R515	X	X
R610	X	X
R710	X	X

Table 8. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems for Hypervisors (continued)

Dell System	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
R715	X	X
R810	X	X
R815	X	X
R910	X	X
T110	X	X
T110 II	X	X
T310	X	X
T410	X	X
T610	X	X
T710	X	X
PowerVault DL2200		
PowerVault DX6000		
PowerVault NX200		
PowerVault NX300		
PowerVault NX3000		
PowerVault NX3100		
M420		
M520		
M620	X	X
M820	X	X
R220	X	X
R320		
R420		
R520		
R620	X	X
R720	X	X
R720XD		
R820	X	X

Table 8. Supported Dell OpenManage Systems Management Software on Systems Running Supported Virtualization Operating Systems for Hypervisors (continued)

Dell System	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
R920	X	X
T320		
T420		
T620	X	X
PowerVault NX400		
PowerVault NX3200		
PowerVault NX3300		
R730		
R730 XD		
R630		
T630		
R430		
R530		
T430		
M630		
C4130	X	X
R7910		
M630		
M830	X	X
FC630	X	X
FC830	X	X
FC430	X	X
R330		
R230		
T330		
T130		

Dell OpenManage Server Administrator v8.3

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

The following table lists the supported Microsoft Windows operating systems for the Server Administrator and Server Administrator web server.

Table 9. Supported Microsoft Windows Server Operating Systems for Server Administrator and Server Administrator web server.

	Microsoft Windows Server					
	2008 (32-bit)	2008 (64-bit)	2008 R2 (64 - Bit)	2012 DataCenter	2012 Essentials	2012 R2
Service Pack	SP2	SP2	SP1	N/A	N/A	N/A
Server Administrator	X	X	X	X	X	X
Server Administrator Web Server	X	X	X	X	X	X

ⓘ **NOTE:** Microsoft Windows 2003 support is not provided for 12th generation or later PowerEdge servers.

Table 10. Supported Microsoft Windows Operating Systems for Server Administrator and Server Administrator web server.

	Microsoft Windows				
	XP (32-bit)	Vista (32-bit)	Vista (64-bit)	7.0 (32-bit and 64-bit)	8.0 (32-bit and 64-bit)
Service Pack	SP2	SP3	SP2	SP1	N/A
Server Administrator					
Server Administrator Web Server	X	X	X	X	X

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

The following table lists the supported Linux operating systems for the Server Administrator.

Table 11. Supported Linux Operating Systems for Server Administrator

	SUSE Linux Enterprise Server 11 (64-bit)	SUSE Linux Enterprise Server 12 SP1
Service Pack	SP4	
Server Administrator	X	X
Server Administrator Web Server	X	X

	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.2
Service Pack		
Server Administrator	X	X
Server Administrator Web Server	X	X

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

The following table lists the supported Virtualization operating systems for the Server Administrator and Server Administrator web server.

Table 12. Supported Virtualization Operating Systems on Physical System

	VMware		
Edition	ESXi 5.1 U3 (HDD and Flash)	ESXi 5.5 U3	ESXi 6.0 U2
Server Administrator	X	X	X
Server Administrator Web Server	N/A	N/A	N/A

	Microsoft			
Edition	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008	Hyper-V for Windows 2012	Hyper-V for Windows 2012 R2
Server Administrator	X	X	X	X
Server Administrator Web Server	X	X	X	X

(i) **NOTE:**

OpenManage Software supports VMware ESXi 5.1 U3 operating system only on Dell's 11th generation of PowerEdge servers.

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

(i) **NOTE:** Server Administrator Web Server component cannot be installed on Dell systems running the VMware ESXi operating system.

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 Dell OpenManage Systems Management Consoles

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 include:

- Dell OpenManage Essentials v2.1
- Dell OpenManage Mobile v1.4
- Dell OpenManage Power Center v 3.1
- Dell OpenManage Server Administrator v8.3

Dell OpenManage Essentials v2.1

The Dell OpenManage Essentials in the one-to-many Systems Management console providing Elemental Hardware Management that helps you maximize IT performance and uptime capabilities of Dell PowerEdge™ servers, EqualLogic™ and PowerVault™ storage, PowerConnect™ and Dell Force10 switches.

For more information, see the *Dell OpenManage Essentials Support Matrix* at **dell.com/openmanagemanuals**.

Dell OpenManage Mobile v1.4

OpenManage Mobile is a systems management application that enables you to monitor your datacenter from an Android or an iOS mobile device. OpenManage Mobile enables you to add one or more OpenManage Essentials consoles 1.3 or later and/or Integrated Dell Remote Access Controllers (iDRACs) 7 or later. OpenManage Mobile provides OpenManage Essentials alerts to your mobile device and enables you to troubleshoot your hardware in case of emergencies. In addition, OpenManage Mobile allows you to view the health of your data center and perform basic tasks such as power control functions.

Dell OpenManage Power Center v3.1

Dell OpenManage Power Center (OMPC) management console provides increased visibility of and control over Dell PowerEdge Servers power consumption, anomalies, and utilization through fine-grained instrumentation. This enables increased control, improved rack density, faster response times, greater accuracy, and broader decision-making intelligence. OMPC allows customers to set a budget cap and provides millisecond fast power capping to prevent tripping a circuit breaker, allows IT Admins to set policies to dictate automated response when power or temperature events occur. OMPC supports heterogeneous environment, generate reports for stranded power for devices and device groups. Representational State Transfer (REST) Application Program Interface (API) support is also provided for report generation.

Supported Microsoft Windows Operating Systems for Power Center v3.1

The following table lists the supported Microsoft Windows operating systems for the Power Center

Table 13. Supported Microsoft Windows Operating Systems for Power Center

	Microsoft Windows Server 2008 R2 (64-bit)	Microsoft Windows Server 2012 (64–bit)	Microsoft Windows Server 2012 R2 (64–bit)	Microsoft Windows 7.0	Microsoft Windows 8.0 Enterprise (64–bit)
Edition	Standard, Enterprise, and Datacenter	Standard, Essentials, and Datacenter	Standard, Essentials, and Datacenter	Professional and Enterprise	Professional and Enterprise
Service Pack	SP1 and SP2				
Power Center	X	X	X	X	X

Supported Linux Operating Systems For Power Center v3.1

The following table lists the supported Linux Operating Systems for the power center.

Table 14. Supported Linux Operating Systems

	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.6 (64-bit)	Red Hat Enterprise Linux 7.0 (64-bit)	SUSE Linux Enterprise Server 11 SP3 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)
Power Center	X	X	X	X	X

Supported web browsers for In-band management and monitoring

The list of supported web browsers for OpenManage 8.3 Systems Management software on systems running supported Microsoft Windows, Red Hat Enterprise Linux, SUSE Linux Enterprise Server(SLES), and Macintosh operating systems.

Table 15. Supported web browsers running supported Microsoft Windows, Red Hat Enterprise Linux, SLES, and Macintosh operating systems.

Operating System	Internet Explorer			Mozilla Firefox					Google Chrome	Safari
	9 (64-bit)	10 (64-bit)	11 (64-bit)	22, 23, and 29	30 and 33	37	38	40	30, 31, 33, 34, 35, 38, 43, 45, 46 and 47	7.0.6, 8.0 and 7.1
Windows 7 SP2 (32-bit)	X	X	X	X	X	X	X	X		
Windows 7 SP2 (64-bit)	X	X	X	X	X	X	X	X		
Windows 8 SP1 (32-bit)		X	X	X	X	X	X	X	X	
Windows 8 SP1 (64-bit)		X	X	X	X	X	X	X	X	
Macintosh OSX 10.7 (Lion)										X
Macintosh OSX 10.8 (Mountain Lion)										X
Windows Server 2008 R2 SP1 (64-bit)	X	X	X	X	X	X	X	X		
Windows Server 2012 (64-bit)		X	X	X	X	X	X	X		
Windows Server 2012 R2 (64-bit)		X	X	X	X	X	X	X		

Table 15. Supported web browsers running supported Microsoft Windows, Red Hat Enterprise Linux, SLES, and Macintosh operating systems. (continued)

Operating System	Internet Explorer			Mozilla Firefox					Google Chrome	Safari
	9 (64-bit)	10 (64-bit)	11 (64-bit)	22, 23, and 29	30 and 33	37	38	40	30, 31, 33, 34, 35, 38, 43, 45, 46 and 47	7.0.6, 8.0 and 7.1
SLES 11 SP3 (64 bit)	Native Mozilla Firefox Web Browsers									
SLES 12 (64 bit)	Native Mozilla Firefox Web Browsers									
SLES 12 SP1	Native Mozilla Firefox Web Browsers									
Red Hat Enterprise Linux 7.0 (64-bit)	Native Mozilla Firefox Web Browsers									
Red Hat Enterprise Linux 7.2	Native Mozilla Firefox Web Browsers									

(i) **NOTE:** For the latest information, see the *Release Notes* for the specific product available at **dell.com/openmanagemanuals**. Select the OpenManage release version and then select the appropriate product to view the *Release Notes*.

Out-of-band server management and monitoring

Out-of-band server management is the process of remotely managing and monitoring servers using Integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller.

Topics:

- Supported Integrated Dell Remote Access Controllers and solutions
- iDRAC Service Module 2.3
- Supported Remote Access Controllers and Solutions for Blade Servers
- Supported Remote Access Controllers and Solutions for Rack and Tower Servers
- Lifecycle Controller — Supported Dell Systems and Operating Systems
- Supported web browsers for Out-of-band management and monitoring

Supported Integrated Dell Remote Access Controllers and solutions

The Dell PowerEdge embedded server management solution, Integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller, helps IT administrators to speed up the essential management tasks, it increases the availability of your servers, and reduces your IT operational expenses.

With powerful, easy-to-use, remote management and configuration options, iDRAC with Lifecycle Controller alerts IT administrators when an issue occurs, enables streamlined local and remote server management, and reduces or eliminates the need for administrators to physically visit the server even if the server is not operational.

iDRAC comprises:
- Graphical User Interface(GUI), Command Line Interface(CLI), and WS-MAN
- Server instrumentation
- OS Integration
- Manage storage devices

Overview

All versions of iDRAC8 – Basic, Express, and Enterprise – ship from the factory with a default static IP address, this is a preferred and a known method. However, Dell also offers two options to better fit into a customer's existing environment. **Auto-discovery** or **DHCP** can be set from the factory to allow you to access iDRAC and remotely configure your server.

iDRAC version naming convention
- iDRAC7
  - 1.xx.yy
  - xx is the iDRAC firmware version
  - yy is the power & thermal table version
- iDRAC8
  - 2.xx.yy.zz
  - xx is the iDRAC firmware version
  - yy is the power & thermal table version
  - zz is the Lifecycle Controller version

For 13th generation of Dell PowerEdge servers, the iDRAC and Lifecycle Controller firmware is a single image.

(i) **NOTE:** A single iDRAC firmware is used across Dell's 12th and 13th generation PowerEdge servers.

iDRAC ships from the factory with a default, static IP address, with either Express or Enterprise licenses. This is a preferred and known method. However, Dell also offers two additional options to better fit into a certain customer IT environments: **DHCP**

or **Provisioning Server**. Either of which can be set from the factory to allow you to access the iDRAC and remotely configure your server. Only one setting is possible There is no charge for any of these options.

- Static

  iDRAC will ship with the factory default static IP address 192.168.0.120

- DHCP

  This option is for customers who have a Dynamic Host Configuration Protocol (DHCP) server already installed in their data center environment. The DHCP server can automatically assign the IP address, gateway, and subnet mask to a server's iDRAC . DHCP should also be selected if using iDRAC Auto Config or OpenManage Essentials Configuration Manager to automate server provisioning. Please select this option if you would like to ensure that this feature is enabled at the Dell factory. Again, there is no charge to enable the "DHCP" option at time of order.

- Provisioning Server

  The Provisioning Server option is for customers that have some type of provisioning server already installed in their data center environment. A provisioning server manages and automates the deployment or upgrade of an operating system and applications to a Dell PowerEdge server. By enabling the "Provisioning Server" option, the servers will — upon first boot — search for a provisioning server to take control and begin the automated deployment or update process. Please select this option if you would like to ensure that this feature is enabled at the Dell factory. Again, there is no charge to enable the "Provisioning Server" option at time of order.

iDRAC8 Management Traffic – Dedicated NIC or Shared LOM

For certain 13th generation of Dell's PowerEdge servers, you have the option to choose the network interface they wish to route iDRAC traffic – either the default **Dedicated NIC** for the iDRAC itself or through the **Shared LOM** that is also used by the server. Dell recommends to place the iDRAC's on a separate management network for best iDRAC security. However, you can also route iDRAC management traffic over the shared LOM. Select the **shared LOM** option if you may want to ensure that this feature is enabled at the Dell factory. There is no additional charge to enable shared LOM at the time of order. The servers which support the option of selecting shared LOM for iDRAC management traffic are:

- R730
- R730xd
- T630
- R630
- FC630
- FC830

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, see the *Dell Remote Access Controller User's Guide* or the *Integrated Dell Remote Access Controller User's Guide* at **dell.com/support/manuals**.

Table below "Remote Access Controllers and Solutions for Blade Servers" and Table "For Rack and Tower Servers" list the following:

- Supported Remote Access Controller versions and firmware for iDRAC8
- Supported Chassis Management Controller versions and firmware
- Supported BMC firmware versions
- Supported IPMI protocol versions

iDRAC Service Module 2.3

The Integrated Dell Remote Access Controller(iDRAC) Service Module is a lightweight optional software application that can be installed on 12th generation of Dell PowerEdge servers or later with minimum Firmware version of 1.57.57 for iDRAC7 and 2.05.05.05 or later for iDRAC8. The iDRAC Service Module complements iDRAC interfaces – Graphical User Interface (GUI), RACADM CLI and Web Service Management (WS-MAN) with additional monitoring data. You can configure the features on the supported operating system depending on the features to be installed and the unique integration needs in a work environment.

The iDRAC Service Module architecture uses IP socket communication and provides additional Server Management data (OS/device driver) to iDRAC and presents one-to-many consoles with access to Systems Management data through OS standard interfaces.

Supported Remote Access Controllers and Solutions for Blade Servers

The following table lists the supported Remote Access Controllers and Solutions for blade servers.

Dell System	DRACs		CMC Firmware		BMC	Supported IPMI
	DRAC Type	Supported DRAC FW version	M1000e CMC	VRTX CMC		
M610	iDRAC6	3.80	5.1	N/A	N/A	2.0
M610x	iDRAC6	3.80	5.1	N/A	N/A	2.0
M710	iDRAC6	3.80	5.1	N/A	N/A	2.0
M710HD	iDRAC6	3.80	5.1	N/A	N/A	2.0
M910	iDRAC6	3.80	5.1	N/A	N/A	2.0
M915	iDRAC6	3.80	5.1	N/A	N/A	2.0
M420	iDRAC7	2.30.30.30	5.1	2.1	N/A	2.0
M520	iDRAC7	2.30.30.30	5.1	2.1	N/A	2.0
M620	iDRAC7	2.30.30.30	5.1	2.1	N/A	2.0
M630	iDRAC8	2.30.30.30	5.1	2.1	N/A	2.0
M820	iDRAC7	2.30.30.30	5.1	2.1	N/A	2.0
M830	iDRAC8	2.30.30.30	5.1	N/A	2.50	2.0
FC430	iDRAC8	2.30.30.30	5.1	N/A	2.50	2.0
FC630	iDRAC8	2.30.30.30	5.1	2.1	N/A	2.0
FC830	iDRAC8	2.30.30.30	5.1	N/A	2.50	2.0
FM120	iDRAC7	2.30.30.30	5.1	N/A	N/A	2.0

Supported Remote Access Controllers and Solutions for Rack and Tower Servers

The following table lists the supported Remote Access Controllers and Solutions for Rack and Tower Servers.

Table 16. The following table lists the supported Remote Access Controllers and Solutions for Rack and Tower Se

Dell System	DRACs	
	DRAC Type	Supported DRAC FW
R210	iDRAC6	2.85
R210 II	iDRAC6	2.85

Table 16. The following table lists the supported Remote Access Controllers and Solutions for Rack and Tower Se

Dell System	DRACs	
	DRAC Type	Supported DRAC FW
R310	iDRAC6	2.85
R410	iDRAC6	2.85
R415	iDRAC6	2.85
R510	iDRAC6	2.85
R515	iDRAC6	2.85
R610	iDRAC6	2.85
R710	iDRAC6	2.85
R715	iDRAC6	2.85
R810	iDRAC6	2.85
R815	iDRAC6	2.85
R910	iDRAC6	2.85
T110	No iDRAC support	
T110 II	No iDRAC support	
T310	iDRAC6	2.85
T410	iDRAC6	2.85
T610	iDRAC6	2.85
T710	iDRAC6	2.85
PowerVault DL2200	iDRAC6	1.99
PowerVault DX6000	iDRAC6	1.99
PowerVault NX200	iDRAC6	1.99
PowerVault NX300	iDRAC6	1.99
PowerVault NX3000	iDRAC6	1.99
PowerVault NX3100	iDRAC6	1.99
R220	iDRAC7	2.30.30.30
R320	iDRAC7	2.30.30.30
R420	iDRAC7	2.30.30.30
R520	iDRAC7	2.30.30.30
R620	iDRAC7	2.30.30.30

Table 16. The following table lists the supported Remote Access Controllers and Solutions for Rack and Tower Se

Dell System	DRACs	
	DRAC Type	Supported DRAC FW
R720	iDRAC7	2.30.30.30
R720XD	iDRAC7	2.30.30.30
R820	iDRAC7	2.30.30.30
R920	iDRAC7	2.30.30.30
T320	iDRAC7	2.30.30.30
T420	iDRAC7	2.30.30.30
T620	iDRAC7	2.30.30.30
PowerVault NX400		2.30.30.30
PowerVault NX3200		2.30.30.30
PowerVault DL2100	iDRAC6	1.99
PowerVault NX3300		2.30.30.30
EqualLogic FS7500	iDRAC6	1.99
R730	iDRAC8	2.30.30.30
R730 XD	iDRAC8	2.30.30.30
R630	iDRAC8	2.30.30.30
T630	iDRAC8	2.30.30.30
R430	iDRAC8	2.30.30.30
R530	iDRAC8	2.30.30.30
R530xd	iDRAC8	2.30.30.30
T430	iDRAC8	2.30.30.30
R7910	iDRAC8	2.30.30.30
C4130		2.30.30.30
R930	iDRAC8	2.30.30.30
R330	iDRAC8	2.30.30.30
R230	iDRAC8	2.30.30.30
T330	iDRAC8	2.30.30.30
T130	iDRAC8	2.30.30.30

Lifecycle Controller — Supported Dell Systems and Operating Systems

The Dell Lifecycle Controller provides advanced embedded systems management and is delivered as part of integrated Dell Remote Access Controller (iDRAC) and embedded Unified Extensible Firmware Interface (UEFI) applications in the 12th and 13th generation of Dell PowerEdge servers.

The Lifecycle Controller software components are built on iDRAC and UEFI system firmware. Lifecycle Controller firmware can access and manage the hardware, including component and sub- system management that is beyond the traditional Baseboard Management Controller (BMC) capabilities. The UEFI environment provides the local console interface and the infrastructure for locally managed system components. It simplifies the end-to-end server lifecycle management.

Beginning with v2.10.10.10, iDRAC with Lifecycle Controller firmware is supported on both 12th and 13th generation of Dell PowerEdge servers.

On the 12th generation of Dell PowerEdge servers, Lifecycle Controller is known as Lifecycle Controller 2 (includes GUI and Remote Services). The functionalities available are based on the generation of the server and the variant of Lifecycle Controller:

- **Lifecycle Controller GUI v2.30.30.30** — Lifecycle Controller GUI supports systems management tasks such as deploy, configure, update, maintain, and diagnose in a one-to-one method.
- **Lifecycle Controller-Remote Services v2.30.30.30** — Remote Services (WS-MAN) simplifies end-to-end server lifecycle management using the one-to-many method. It interfaces for remote deployment integrated with Dell OpenManage Essentials and partner consoles.

For more information, see the Lifecycle Controller documentation available at **dell.com/support/manuals**.

Supported Dell Systems and Windows Operating Systems for Lifecycle Controller 2.30.30.30

See Supported Dell OpenManage Systems Management Software on Windows Operating Systems for a list of all the Dell systems and Microsoft Operating systems that support Lifecycle Controller.

(i) **NOTE:** Lifecycle controller is not supported on Dell PowerEdge T110 and T110II.

(i) **NOTE:** Lifecycle Controller is not supported on Windows Storage Server operating systems.

Supported Dell Systems and Linux Operating Systems for Lifecycle Controller 2.30.30.30

See Supported Dell OpenManage Systems Management Software on Linux Operating Systems for a list of all the Dell systems and Microsoft Operating systems that support Lifecycle Controller.

(i) **NOTE:** Lifecycle controller is not supported on Dell PowerEdge T110 and T110II.

Supported Dell Systems and Virtualization Operating Systems for Lifecycle Controller 2.30.30.30

See Supported Dell OpenManage Systems Management Software on Virtualization Operating Systems for a list of all the Dell systems and Microsoft Operating systems that support Lifecycle Controller.

(i) **NOTE:** Lifecycle controller is not supported on Dell PowerEdge T110 and T110II.

Supported web browsers for Out-of-band management and monitoring

The list of supported web browsers for iDRDAC7 and iDRAC8 on systems running supported Microsoft Windows, Red Hat enterprise Linux, SUSE Linux Enterprise Server, and Macintosh operating systems.

Table 17. Supported web browsers for iDRAC8 on systems running supported Microsoft Windows, Red Hat enterprise Linux, SUSE Linux Enterprise Server (SLES), and Macintosh operating systems

Operating System	Internet Explorer			Mozilla			Google Chrome			Safari	
	9 (64-bit)	10 (64-bit)	11 (64-bit)	35	36	40	41	42	45	7.1	8.0
Windows 7 SP2 (32-bit)	X	X		X							
Windows 7 SP2 (64-bit)	X	X		X							
Windows 8 SP1 (32-bit)		X		X			X	X	X		
Windows 8 SP1 (64-bit)		X		X			X	X	X		
Macintosh OSX10.7 (Lion)										X	X
Macintosh OSX10.8 (MountainLion)										X	X
Windows Server2008 R2 SP2 (32- bit)	X			X	X	X					
Windows Server2008 R2 SP2 (64- bit)	X			X	X	X					
Windows Server2008 R2 SP1 (64- bit)	X	X	X	X	X	X					
Windows Server2012 (64-bit)		X	X	X	X	X					
Windows Server2012 R2 standard edition (64-bit)		X	X	X	X	X					
SLES 11 SP3 (64 bit)	Native Mozilla Firefox Web Browsers										
SLES 11 SP4 (64 bit)	Native Mozilla Firefox Web Browsers										
SLES 12 (64 bit)	Native Mozilla Firefox Web Browsers										

Table 17. Supported web browsers for iDRAC8 on systems running supported Microsoft Windows, Red Hat enterprise Linux, SUSE Linux Enterprise Server (SLES), and Macintosh operating systems (continued)

Operating System	Internet Explorer			Mozilla			Google Chrome			Safari	
	9 (64-bit)	10 (64-bit)	11 (64-bit)	35	36	40	41	42	45	7.1	8.0
SLES 12 SP1	Native Mozilla Firefox Web Browsers										
Red Hat enterpriseLinux 6.5 (64-bit)	Native Mozilla Firefox Web Browsers										
Red Hat enterpriseLinux 6.7 (64-bit)	Native Mozilla Firefox Web Browsers										
Red Hat enterpriseLinux 7.0 (64-bit)	Native Mozilla Firefox Web Browsers										
Red Hat enterpriseLinux 7.1 (64-bit)	Native Mozilla Firefox Web Browsers										
Red Hat enterpriseLinux 7.2	Native Mozilla Firefox Web Browsers										

Supported Dell OpenManage Change Management Software

Dell OpenManage change management software is a set of tools that enables you to update Dell systems easily. It is also an efficient way to manage hardware, software, and operating system updates.

Dell OpenManage change management software comprises of:

- Dell Update Packages
- Server Update Utility
- Dell OpenManage Linux Repository — Formerly known as Yellow Dog Update Modified (YUM) Repository
- FTP Catalog
- Dell System Update
- **Dell Update Packages** - A Dell Update Package (DUP) is a self-contained executable in a standard package format. Each DUP is designed to update a single software component on a Dell system.

DUPs allow administrators to update a wide range of system components simultaneously and apply scripts to similar sets of Dell systems to bring system software components up to the same version levels.

For more information on DUPs, see the *Dell Update Packages User's Guide* available on the Dell Support website at **dell.com/ support/manuals**.

- **FTP Catalog** With Repository Manager, you can use the FTP catalog to identify and gather updates relevant to the system in your Data Center. The FTP catalog contain updates for 10th, 11th, 12th and 13th generation of Dell PowerEdge systems.
- **Dell System Update** - Dell System Update (DSU) is an improved version of Dell OpenManage Linux Repository (DLR) to distribute Dell updates for Linux systems. DSU distributes OpenManage Server Administrator and BIOS and Firmware updates for different servers. DSU provides a better customer experience by getting the latest updates to your system.

(i) **NOTE:** The list provides the details of the supported platforms against the operating systems for other change management products that are aligned with the latest OpenManage release. For the latest list of operating systems and platforms supported by DSU, see Dell System Update.

Topics:

- Supported Change Management Software on Microsoft Windows Operating Systems
- Supported Change Management Software on Linux Operating Systems
- Supported Change Management Software on Virtualization Operating Systems

Supported Change Management Software on Microsoft Windows Operating Systems

A ' **D** ' in the intersection of the operating system and the Dell system columns indicates support for DUPs.

An ' **S** ' in the intersection of the operating system and the Dell system columns indicates support for SUU.

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.

(i) **NOTE:** SUU is used for server updates and may not work on newly released Dell systems that do not receive any server updates.

(i) **NOTE:** DSS1500, DSS1510, and DSS2500 are supported only by SUU of Change management and not supported by OM.

The following table lists the supported Dell OpenManage 8.3 change management software on systems running supported Microsoft Windows operating systems.

Table 18. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems

Dell System	Microsoft Windows Server 2008 R2 x64 (includes all services packs)	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2012 and 2012 R2
	Foundation, Standard, Essentials, DataCenter, and Web	Essentials	Standard, Premium Add-on	Foundation, Essentials, Standard, DataCenter
M600	D,S	D,S	D,S	D,S
M605	D,S	D,S	D,S	D,S
M805	D,S	D,S	D,S	D,S
M905	D,S	D,S	D,S	D,S
R200	D,S	D,S	D,S	D,S
R300	D,S	D,S	D,S	D,S
R805	D,S	D,S	D,S	D,S
R900	D,S	D,S	D,S	D,S
R905	D,S	D,S	D,S	D,S
T100	*	D,S	*	D,S
T105	*	D,S	*	D,S
T300	D,S	D,S	D,S	D,S
T605	D,S	D,S	D,S	D,S
M610	D,S	D,S	D,S	D,S
M610x	D,S	D,S	D,S	D,S
M710	D,S	D,S	D,S	D,S
M710HD	D,S	D,S	D,S	D,S
M910	D,S	D,S	D,S	D,S
M915	D,S	D,S	D,S	D,S
R210	D,S	D,S	D,S	D,S
R210 II	D,S	D,S	D,S	D,S
R310	D,S	D,S	D,S	D,S
R410	D,S	D,S	D,S	D,S
R415	D,S	D,S	D,S	D,S
R510	D,S	D,S	D,S	D,S
R515	D,S	D,S	D,S	D,S

Table 18. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 (includes all services packs)	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2012 and 2012 R2
	Foundation, Standard, Essentials, DataCenter, and Web	Essentials	Standard, Premium Add-on	Foundation, Essentials, Standard, DataCenter
R610	D,S	D,S	D,S	D,S
R710	D,S	D,S	D,S	D,S
R715	D,S	D,S	D,S	D,S
R810	D,S	D,S	D,S	D,S
R815	D,S	D,S	D,S	D,S
R910	D,S	D,S	D,S	D,S
T110	D,S	D,S	D,S	D,S
T110 II	D,S	D,S	D,S	D,S
T310	D,S	D,S	D,S	D,S
T410	D,S	D,S	D,S	D,S
T610	D,S	D,S	D,S	D,S
T710	D,S	D,S	D,S	D,S
PowerVault DL2200	D,S	D,S	D,S	D,S
PowerVault DX6000	D,S	D,S	D,S	D,S
PowerVault NX200	*	D,S	*	D,S
PowerVault NX300	*		*	D,S
PowerVault NX3000	D,S	D,S	D,S	D,S
PowerVault NX3100	D	D	D	D
PowerVault NX1950	D,S	D,S	D,S	D,S
PowerVault NX3500	*	*	*	*
PowerVault NX3610	*	*	*	*
PowerVault NX3230	D,S	D,S	D,S	D,S
PowerVault NX3330	D,S	D,S	D,S	D,S
PowerVault NX430	D,S	D,S	D,S	D,S
M420	D,S	D,S	D,S	D,S
M520	D,S	D,S	D,S	D,S

Table 18. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 (includes all services packs)	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2012 and 2012 R2
	Foundation, Standard, Essentials, DataCenter, and Web	Essentials	Standard, Premium Add-on	Foundation, Essentials, Standard, DataCenter
M620	D,S	D,S	D,S	D,S
M820	D,S	D,S	D,S	D,S
R220	D,S	D,S	D,S	D,S
R320	D,S	D,S	D,S	D,S
R420	D,S	D,S	D,S	D,S
R520	D,S	D,S	D,S	D,S
R620	D,S	D,S	D,S	D,S
R720	D,S	D,S	D,S	D,S
R720XD	D,S	D,S	D,S	D,S
R820	D,S	D,S	D,S	D,S
R920	D,S	D,S	D,S	D,S
T320	D,S	D,S	D,S	D,S
T420	D,S	D,S	D,S	D,S
T620	D,S	D,S	D,S	D,S
PowerVault NX400	D	D	D	D
PowerVault NX3200	D	D	D	D
PowerVault NX3300	D	D	D	D
R730	D,S	D,S	D,S	D,S
R730 XD	D,S	D,S	D,S	D,S
R630	D,S	D,S	D,S	D,S
T630	D,S	D,S	D,S	D,S
R430	D,S	D,S	D,S	D,S
R530	D,S	D,S	D,S	D,S
R930	D,S	D,S	D,S	D,S
T430	D,S	D,S	D,S	D,S
M630	D,S	D,S	D,S	D,S

Table 18. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Server and Microsoft Windows Small Business Server Operating Systems (continued)

Dell System	Microsoft Windows Server 2008 R2 x64 (includes all services packs)	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2012 and 2012 R2
	Foundation, Standard, Essentials, DataCenter, and Web	Essentials	Standard, Premium Add-on	Foundation, Essentials, Standard, DataCenter
FC630	D,S	D,S	D,S	D,S
C4130	D,S	D,S	D,S	D,S
M830	D,S	D,S	D,S	D,S
FC830	D,S	D,S	D,S	D,S
FC430	D,S	D,S	D,S	D,S
C6320				S
DSS1500				S
DSS1510				S
DSS2500				S
R330				D,S
R230				D,S
T330				D,S
T130				D,S

Table 19. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Storage Server Operating Systems

Dell System	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
M600	D,S	D,S
M605	D,S	D,S
M805	D,S	D,S
M905	D,S	D,S
R200	D,S	D,S
R300	D,S	D,S
R805	D,S	D,S
R900	D,S	D,S
R905	D,S	D,S

Table 19. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Storage Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
T100	D,S	D,S
T105	D,S	D,S
T300	D,S	D,S
T605	D,S	D,S
M610	D,S	D,S
M610x	D,S	D,S
M710	D,S	D,S
M710HD	D,S	D,S
M910	D,S	D,S
M915	D,S	D,S
R210	D,S	D,S
R210 II	D,S	D,S
R310	D,S	D,S
R410	D,S	D,S
R415	D,S	D,S
R510	D,S	D,S
R515	D,S	D,S
R610	D,S	D,S
R710	D,S	D,S
R715	D,S	D,S
R810	D,S	D,S
R815	D,S	D,S
R910	D,S	D,S
T110	D,S	D,S
T110 II	D,S	D,S
T310	D,S	D,S
T410	D,S	D,S

Table 19. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Storage Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
T610	D,S	D,S
T710	D,S	D,S
PowerVault DL2200	D,S	D,S
PowerVault DX6000	D,S	D,S
PowerVault NX200	D,S	D,S
PowerVault NX300	D,S	D,S
PowerVault NX3000	D,S	D,S
PowerVault NX3100	D	D
PowerVault NX1950	D,S	D,S
PowerVault NX3500	*	*
PowerVault NX3610	*	*
PowerVault NX3230	D,S	D,S
PowerVault NX3330	D,S	D,S
PowerVault NX430	D,S	D,S
M420	D,S	D,S
M520	D,S	D,S
M620	D,S	D,S
M820	D,S	D,S
R220	D,S	D,S
R320	D,S	D,S
R420	D,S	D,S
R520	D,S	D,S
R620	D,S	D,S
R720	D,S	D,S
R720XD	D,S	D,S
R820	D,S	D,S
R920	D,S	D,S

Table 19. Supported Dell OpenManage Change Management Software on Systems Running Supported Microsoft Windows Storage Server Operating Systems (continued)

Dell System	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
T320	D,S	D,S
T420	D,S	D,S
T620	D,S	D,S
PowerVault NX400	D	D
PowerVault NX3200	D	D
PowerVault NX3300	D	D
R730	D,S	D,S
R730 XD	D,S	D,S
R630	D,S	D,S
T630	D,S	D,S
R430	D,S	D,S
R530	D,S	D,S
R930	D,S	D,S
T430	D,S	D,S
M630	D,S	D,S
FC630	D,S	D,S
C4130	D,S	D,S
M830	D,S	D,S
FC830	D,S	D,S
FC430	D,S	D,S
C6320		S
DSS1500		S
DSS1510		S
DSS2500		S
R330		
R230		
T330		

Dell System	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
T130		

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

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

ⓘ **NOTE:** Dell PowerVault DL2000, DL2100, and DL2200 support the installation of only Windows Server 2008 R2 SP1 Standard Edition.

ⓘ **NOTE:** DSS1500, DSS1510, and DSS2500 are supported only by SUU of Change management and not supported by OM.

Supported Change Management Software on Linux Operating Systems

A ' **D** ' in the intersection of the operating system and the Dell system columns indicates support for DUPs. The Dell Update Package (DUP) is a self-contained executable in a standard package format that updates an application or component firmware on a server. Using Dell Repository Manager along with other tools helps to keep the managed systems up-to-date.

An ' **S** ' in the intersection of the operating system and the Dell system columns indicates support for SUU. The Dell Server Update Utility (SUU) helps to identify and apply updates to a managed system. Use this utility to update the managed system or to view the updates available for the supported systems.

ⓘ **NOTE:** SUU is used for server updates and may not work on newly released Dell systems that do not receive any server updates.

ⓘ **NOTE:** DSS1500, DSS1510, and DSS2500 are supported only by SUU of Change management and not supported by OM.

The following table lists the supported Dell OpenManage 8.3 change management software on systems running supported Linux operating systems.

Table 20. Supported Dell OpenManage Change Management Software on Systems Running Supported SUSE Linux Enterprise Server Operating Systems

Dell System	SUSE Linux Enterprise Server 10 SP3 (64-bit) and SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1, SP2, and SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1 (64-bit)
M600	D,S	D,S		
M605	D,S	D,S		
M805	D,S	D,S		
M905	D,S	D,S		
R200	D,S	D,S		
R300	D,S	D,S		
R805	D,S	D,S		

Table 20. Supported Dell OpenManage Change Management Software on Systems Running Supported SUSE Linux Enterprise Server Operating Systems (continued)

Dell System	SUSE Linux Enterprise Server 10 SP3 (64-bit) and SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1, SP2, and SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1 (64-bit)
R900	D,S	D,S		
R905	D,S	D,S		
T100	D,S	D,S		
T105	D,S	D,S		
T300	D,S	D,S		
T605	D,S	D,S		
M610	D,S	D,S		
M610x	D,S	D,S		
M710	D,S	D,S		
M710HD	D,S	D,S		
M910	D,S	D,S		
M915	D,S	D,S		
R210	D,S	D,S		
R210 II	D,S	D,S		
R310	D,S	D,S		
R410	D,S	D,S		
R415	D,S	D,S		
R510	D,S	D,S		
R515	D,S	D,S		
R610	D,S	D,S		
R710	D,S	D,S		
R715	D,S	D,S		
R810	D,S	D,S		
R815	D,S	D,S		
R910	D,S	D,S		
T110	D,S	D,S		
T110 II	D,S	D,S		

Dell System	SUSE Linux Enterprise Server 10 SP3 (64-bit) and SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1, SP2, and SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1 (64-bit)
T310	D,S	D,S		
T410	D,S	D,S		
T610	D,S	D,S		
T710	D,S	D,S		
PowerVault DL2200	D,S	D,S		
PowerVault DX6000	D,S	D,S		
M420	D,S	D,S	D,S	D,S
M520	D,S	D,S	D,S	D,S
M620	D,S	D,S	D,S	D,S
M820	D,S	D,S	D,S	D,S
R220	D,S	D,S	D,S	D,S
R320	D,S	D,S	D,S	D,S
R420	D,S	D,S	D,S	D,S
R520	D,S	D,S	D,S	D,S
R620	D,S	D,S	D,S	D,S
R720	D,S	D,S	D,S	D,S
R720XD	D,S	D,S	D,S	D,S
R820	D,S	D,S	D,S	D,S
R920	D,S	D,S	D,S	D,S
T320	D,S	D,S	D,S	D,S
T420	D,S	D,S	D,S	D,S
T620	D,S	D,S	D,S	D,S
FM120	D,S	D,S	D,S	D,S
R730	D,S	D,S	D,S	D,S
R730 XD	D,S	D,S	D,S	D,S
R630	D,S	D,S	D,S	D,S
T630	D,S	D,S	D,S	D,S

Table 20. Supported Dell OpenManage Change Management Software on Systems Running Supported SUSE Linux Enterprise Server Operating Systems (continued)

Dell System	SUSE Linux Enterprise Server 10 SP3 (64-bit) and SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1, SP2, and SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1 (64-bit)
R430	D,S	D,S	D,S	D,S
R530	D,S	D,S	D,S	D,S
R930	D,S	D,S	D,S	D,S
T430	D,S	D,S	D,S	D,S
M630	D,S	D,S	D,S	D,S
FC630	D,S	D,S	D,S	D,S
C4130	D,S	D,S	D,S	D,S
M830	D,S	D,S	D,S	D,S
FC830	D,S	D,S	D,S	D,S
FC430	D,S	D,S	D,S	D,S
C6320				S
DSS1500				S
DSS1510				S
DSS2500				S
R330		D,S (SP4 only)	D,S	D,S
R230		D,S (SP4 only)	D,S	D,S
T330		D,S, (SP4 only)	D,S	D,S
T130		D,S (SP4 only)	D,S	D,S

Table 21. Supported Dell OpenManage Change Management Software on Systems Running Supported Red Hat Enterprise Linux Operating Systems

Dell System	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7	Red Hat Enterprise Linux 7.1	Red Hat Enterprise Linux 7.2 (64-bit)
M600	D,S	D,S	D,S			
M605	D,S	D,S	D,S			
M805	D,S	D,S	D,S			
M905	D,S	D,S	D,S			
R200	D,S	D,S	D,S			
R300	D,S	D,S	D,S			

Dell System	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7	Red Hat Enterprise Linux 7.1	Red Hat Enterprise Linux 7.2 (64-bit)
R805	D,S	D,S	D,S			
R900	D,S	D,S	D,S			
R905	D,S	D,S	D,S			
T100	D,S	D,S	D,S			
T105	D,S	D,S	D,S			
T300	D,S	D,S	D,S			
T605	D,S	D,S	D,S			
M610	D,S	D,S	D,S			
M610x	D,S	D,S	D,S			
M710	D,S	D,S	D,S			
M710HD	D,S	D,S	D,S			
M910	D,S	D,S	D,S			
M915	D,S	D,S	D,S			
R210	D,S	D,S	D,S			
R210 II	D,S	D,S	D,S			
R310	D,S	D,S	D,S			
R410	D,S	D,S	D,S			
R415	D,S	D,S	D,S			
R510	D,S	D,S	D,S			
R515	D,S	D,S	D,S			
R610	D,S	D,S	D,S			
R710	D,S	D,S	D,S			
R715	D,S	D,S	D,S			
R810	D,S	D,S	D,S			
R815	D,S	D,S	D,S			
R910	D,S	D,S	D,S			
T110	D,S	D,S	D,S			

Table 21. Supported Dell OpenManage Change Management Software on Systems Running Supported Red Hat Enterprise Linux Operating Systems (continued)

Dell System	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7	Red Hat Enterprise Linux 7.1	Red Hat Enterprise Linux 7.2 (64-bit)
T110 II	D,S	D,S	D,S			
T310	D,S	D,S	D,S			
T410	D,S	D,S	D,S			
T610	D,S	D,S	D,S			
T710	D,S	D,S	D,S			
PowerVault DL2200	D,S	D,S	D,S			
PowerVault DX6000	D,S	D,S	D,S			
M420	D,S	D,S	D,S	D,S	D,S	D
M520	D,S	D,S	D,S	D,S	D,S	D
M620	D,S	D,S	D,S	D,S	D,S	D
M820	D,S	D,S	D,S	D,S	D,S	D
R220	D,S	D,S	D,S	D,S	D,S	D
R320	D,S	D,S	D,S	D,S	D,S	D
R420	D,S	D,S	D,S	D,S	D,S	D
R520	D,S	D,S	D,S	D,S	D,S	D
R620	D,S	D,S	D,S	D,S	D,S	D
R720	D,S	D,S	D,S	D,S	D,S	D
R720XD	D,S	D,S,	D,S	D,S	D,S	D
R820	D,S	D,S	D,S	D,S	D,S	D
R920	D,S	D,S	D,S	D,S	D,S	D
T320	D,S	D,S	D,S	D,S	D,S	D
T420	D,S	D,S	D,S	D,S	D,S	D
T620	D,S	D,S	D,S	D,S	D,S	D
FM120	D,S	D,S	D,S	D,S	D,S	D
R730	D,S	D,S	D,S	D,S	D,S	D
R730 XD	D,S	D,S	D,S	D,S	D,S	D

Dell System	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7	Red Hat Enterprise Linux 7.1	Red Hat Enterprise Linux 7.2 (64-bit)
R630	D,S	D,S	D,S	D,S	D,S	D
T630	D,S	D,S	D,S	D,S	D,S	D
R430	D,S	D,S	D,S	D,S	D,S	D
R530	D,S	D,S	D,S	D,S	D,S	D
R930	D,S	D,S	D,S	D,S	D,S	D
T430	D,S	D,S	D,S	D,S	D,S	D
M630	D,S	D,S	D,S	D,S	D,S	D
FC630	D,S	D,S	D,S	D,S	D,S	D
C4130	D,S	D,S	D,S	D,S	D,S	D
M830	D,S	D,S	D,S	D,S	D,S	D
FC830	D,S	D,S	D,S	D,S	D,S	D
FC430	D,S	D,S	D,S	D,S	D,S	D
C6320						S
DSS1500						S
DSS1510						S
DSS2500						S
R330			D,S			
R230			D,S			
T330			D,S			
T130			D,S			

(i) **NOTE:** DSS1500, DSS1510, and DSS2500 are supported only by SUU of Change management and not supported by OM.

Supported Change Management Software on Virtualization Operating Systems

A ' **D** ' in the intersection of the operating system and the Dell system columns indicates support for DUPs.

An ' **S** ' in the intersection of the operating system and the Dell system columns indicates support for SUU.

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.

(i) **NOTE:** You can install OMSA using VIB file on Embedded VMware (ESXi) operating systems.

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

The following table lists the supported Dell OpenManage 8.3 change management software on systems running supported Virtualization operating systems.

Table 22. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for VMware

Dell Systems	VMware					
	ESXi 5.0 U1	ESXi 5.1 U3	ESXi 5.1	ESXi 5.5	ESXi 5.5 U3	ESXi 6.0 U1
M600	*		*	*		*
M605	*		*	*		*
M805	*		*	*		*
M905	*		*	*		*
R200	*		*	*		*
R300	*		*	*		*
R805	*		*	*		*
R900	*		*	*		*
R905	*		*	*		*
T100	*		*	*		*
T105	*		*	*		*
T300	*		*	*		*
T605	*	*	*	*		*
M610	*	*	*	*		*
M610x	*	*	*	*		*
M710	*	*	*	*		*
M710HD	*	*	*	*		*
M910	*	*	*	*		*
M915	*	*	*	*		*
R210	*	*	*	*		*
R210 II	*	*	*	*		*
R310	*	*	*	*		*
R410	*	*	*	*		*
R415	*	*	*	*		*

Table 22. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for VMware (continued)

Dell Systems	VMware					
	ESXi 5.0 U1	ESXi 5.1 U3	ESXi 5.1	ESXi 5.5	ESXi 5.5 U3	ESXi 6.0 U1
R510	*	*	*	*		*
R515	*	*	*	*		*
R610	*	*	*	*		*
R710	*	*	*	*		*
R715	*	*	*	*		*
R810	*	*	*	*		*
R815	*	*	*	*		*
R910	*	*	*	*		*
T110	*	*	*	*		*
T110 II	*	*	*	*		*
T310	*	*	*	*		*
T410	*	*	*	*		*
T610	*	*	*	*		*
T710	*	*	*	*		*
PowerVault DL2200	*		*	*		*
PowerVault DX6000	*		*	*		*
M420	*		*	*		*
M520	*		*	*		*
M620	*		*	*		*
M820	*		*	*		*
R220	*		*	*		*
R320	*		*	*		*
R420	*		*	*		*
R520	*		*	*		*
R620	*		*	*		*
R720	*		*	*		*
R720XD	*		*	*		*

Table 22. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for VMware (continued)

Dell Systems	VMware					
	ESXi 5.0 U1	ESXi 5.1 U3	ESXi 5.1	ESXi 5.5	ESXi 5.5 U3	ESXi 6.0 U1
R820	*		*	*		*
R920	*		*	*		*
T320	*		*	*		*
T420	*		*	*		*
T620	*		*	*		*
R730	*		*	*		*
R730 XD	*		*	*		*
R630	*		*	*		*
T630	*		*	*		*
R430	*		*	*		*
R530	*		*	*		*
R930	*		*	*		*
T430	*		*	*		*
M630	*		*	*		*
FC630	*		*	*		*
C4130	*		*	*		*
M830	*		*	*		*
FC830	*		*	*		*
FC430	*		*	*		*
R330					*	*
R230					*	*
T330					*	*
T130					*	*

Table 23. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for Microsoft Hyper—V

Dell Systems	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
M600	D,S	D,S
M605	D,S	D,S

Table 23. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for Microsoft Hyper—V (continued)

Dell Systems	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
M805	D,S	D,S
M905	D,S	D,S
R200	D,S	D,S
R300	D,S	D,S
R805	D,S	D,S
R900	D,S	D,S
R905	D,S	D,S
T100	D,S	D,S
T105	D,S	D,S
T300	D,S	D,S
T605	D,S	D,S
M610	D,S	D,S
M610x	D,S	D,S
M710	D,S	D,S
M710HD	D,S	D,S
M910	D,S	D,S
M915	D,S	D,S
R210	D,S	D,S
R210 II	D,S	D,S
R310	D,S	D,S
R410	D,S	D,S
R415	D,S	D,S
R510	D,S	D,S
R515	D,S	D,S
R610	D,S	D,S
R710	D,S	D,S
R715	D,S	D,S
R810	D,S	D,S

Table 23. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for Microsoft Hyper—V (continued)

Dell Systems	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
R815	D,S	D,S
R910	D,S	D,S
T110	D,S	D,S
T110 II	D,S	D,S
T310	D,S	D,S
T410	D,S	D,S
T610	D,S	D,S
T710	D,S	D,S
PowerVault DL2200	D,S	D,S
PowerVault DX6000	D,S	D,S
PowerVault NX200		
PowerVault NX300	D,S	D,S
PowerVault NX3000	D,S	D,S
PowerVault NX3100		
PowerVault NX1950	D,S	D,S
PowerVault NX 3230	D,S	D,S
PowerVault NX3330	D,S	D,S
PowerVault NX430	D,S	D,S
M420	D,S	D,S
M520	D,S	D,S
M620	D,S	D,S
M820	D,S	D,S
R220	D,S	D,S
R320	D,S	D,S
R420	D,S	D,S
R520	D,S	D,S
R620	D,S	D,S

Table 23. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for Microsoft Hyper—V (continued)

Dell Systems	Microsoft	
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008
R720	D,S	D,S
R720XD	D,S	D,S
R820	D,S	D,S
R920	D,S	D,S
T320	D,S	D,S
T420	D,S	D,S
T620	D,S	D,S
PowerVault NX400	D	D
PowerVault NX3200	D	D
PowerVault NX3300	D	D
R730	D,S	D,S
R730 XD	D,S	D,S
R630	D,S	D,S
T630	D,S	D,S
R430	D,S	D,S
R530	D,S	D,S
R930	D,S	D,S
T430	D,S	D,S
M630	D,S	D,S
FC630	D,S	D,S
C4130	D,S	D,S
M830	D,S	D,S
FC830	D,S	D,S
FC430	D,S	D,S
C6320		S
DSS1500		S
DSS1510		S
DSS2500		S

Table 23. Supported Dell OpenManage Change Management Software on Systems Running Supported Virtualization Operating Systems for Microsoft Hyper—V (continued)

Dell Systems	Microsoft	
	Hyper-V for Windows 2008	**Hyper-V R2 SP1 for Windows 2008**
R330	D,S	D,S
R230	D,S	D,S
T330	D,S	D,S
T130	D,S	D,S

ⓘ **NOTE:** DSS1500, DSS1510, and DSS2500 are supported only by SUU of Change management and not supported by OM.

Dell OpenManage Systems Management tools for in-band and out-of-band access

Dell OpenManage Systems Management tools or utilities 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 Deployment Toolkit
- DRAC tools that include RACADM, VMCLI, and iVMCLI
- IPMI Tool in-Band
- BMC Management Utility and IPMI Tool Out-of-Band

Topics:

Supported Microsoft Windows Pre-installation Environment for Deployment Toolkit v5.1

The following table lists the supported Microsoft Windows pre-installation environment for Dell Deployment Tool kit (DTK).

Table 24. Supported Microsoft Windows Pre-installation Environment for Dell Deployment Tool kit (DTK)

	Windows Preinstallation Environment 5.1	Windows Preinstallation Environment 4.0	Windows Preinstallation Environment 3.0	Windows Preinstallation Environment 3.0
	(64-bit)	(64-bit)	(64-bit)	(32-bit)
DTK	X	X	X	X

DRAC tools that include RACADM, VMCLI, and iVMCLI

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

The following table lists the supported Microsoft Windows operating systems for the RACADM utility.

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

Table 25. Supported Microsoft Windows Server Operating Systems for RACADM

	Microsoft Windows Server 2008	Microsoft Windows Server 2008 R2	Microsoft Windows S 2012 and 2012 R2
	(32-bit and 64- bit)	(64-bit)	
Service Pack	SP2	N/A	N/A
Remote RACADM	X	X	X
Local RACADM	X	X	X

Table 26. Supported Microsoft Windows Operating Systems for RACADM

	Microsoft Windows XP	Microsoft Windows Vista	Microsoft Windows 7.0
	(32-bit)	(32-bit and 64- bit)	(32-bit and 64-bit)
Service Pack	SP3	SP2	N/A
Remote RACADM	X	X	X
Local RACADM	N/A	N/A	N/A

Supported Linux Operating Systems for the RACADM Utility

The following table lists the supported Linux operating systems for the RACADM utility.

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

Table 27. Supported Linux Operating Systems for RACADM

	SUSE Linux Enterprise Server 11 (64-bit)	SUSE Linux Enterprise Server 12 SP1
Service Pack	SP4	SP1
Remote RACADM	X	X
Local RACADM	X	X

	Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7(64-bit)	Red Hat Enterprise Linux 7.1 (64-bit)	Red Hat Enterprise Linux 7.2
Service Pack	N/A	N/A	N/A	N/A	N/A	N/A
Remote RACADM	X	X	X	X	X	X
Local RACADM	X	X	X	X	X	X

Supported Virtualization Operating Systems For The RACADM Utility

The following table lists the supported Virtualization operating systems for the RACADM utility.

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

Table 28. Supported Virtualization Operating Systems for RACADM

	VMWare											
	ESX 4.1 U3	ESXi 4.1 U3	ESXi 5.0 U1	ESXi 5.0 U3	ESXi 5.1 U2	ESXi 5.1 U3	ESXi 5.5 (Flash, HDD)	ESXi 5.5 U3	ESXi 6.0 U1	vSphere v4.1 U3	vSphere v5.0 U2	vSphere v5.1 U1
Remote RACADM	X	X	X	X	X	X	X	X	X	X	X	X
Local RACADM	X	X	N/A	X	N/A	X	X	X	X	X	X	X

	Microsoft			
	Hyper-V for Windows 2008	Hyper-V R2 SP1 for Windows 2008	Hyper-V for Windows 2012	Hyper-V for Windows 2012 R2
Remote RACADM	X	X	X	X
Local RACADM	X	X	X	X

Supported Microsoft Windows Operating Systems for VMCLI and iVMCLI

The following table lists the supported Microsoft Windows operating systems for VMCLI and iVMCLI.

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

Table 29. Supported Microsoft Windows Server Operating Systems for VMCLI and iVMCLI

	Microsoft Windows Server 2008 (32-bit and 64- bit)	Microsoft Windows Server 2008 R2 (64-bit)
Service Pack	SP1/SP2	SP1/SP2
VMCLI and iVMCLI	X	X

Table 30. Supported Microsoft Windows Operating Systems for VMCLI and iVMCLI

	Microsoft Windows XP (32-bit)	Microsoft Windows Vista (32-bit and 64-bit)	Micros
Service Pack	SP3	SP2	
VMCLI and iVMCLI	X	X	X

Supported Linux Operating Systems for the VMCLI and iVMCLI

The following table lists the supported Linux operating systems for VMCLI and iVMCLI.

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

Table 31. Supported Linux Operating Systems for VMCLI and iVMCLI

	SUSE Linux Enterprise Server 10 SP3 (64-bit)	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	SUSE Linux Enterprise Server 11 SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64- bit)	SUSE Linux Enterprise Server 12 SP1
VMCLI and iVMCLI	N/A	X	N/A	X	X	X	X

	Red Hat Enterprise Linux 5.8 (32-bit and 64-bit)	Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4(64-bit)
VMCLI and iVMCLI	X	X	X	X

	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7 (64-bit)	Red Hat Enterprise Linux 7.1 (64-bit)	Red Hat Enterprise Linux 7.2
VMCLI and iVMCLI	X	X	X	X	X

Supported Microsoft Windows Operating Systems for IPMITool In-Band

The following table lists the supported Windows operating systems for the IPMITool In-Band.

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

Table 32. Supported Microsoft Windows Server Operating Systems for IPMITool In-Band

	Microsoft-Windows Server 2008 (32-bit and 64- bit)	Microsoft-Windows Server 2008 R2 (64-bit)
Edition	SP1/SP2	SP1/SP2
IPMITool	X	X
IPMITool In-Band	X	X

Table 33. Supported Microsoft Windows Operating Systems for IPMITool In-Band

	Microsoft Windows XP (32-bit)	Microsoft Windows XP (32-bit and 64-bit)	Microsoft Windows 7.0 (3
Edition	SP3	SP2	
IPMITool	X		
IPMITool In-Band	X	X	X

Supported Linux Operating Systems for IPMITool In-Band

The following table lists the supported Linux operating systems for the IPMITool In-Band.

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

Table 34. Supported Linux Operating Systems for IPMITool In-Band

	SUSE Linux Enterprise Server 10 SP3 (64-bit)	SUSE Linux Enterprise Server 10 SP4 (64-bit	SUSE Linux Enterprise Server 11 SP1 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	SUSE Linux Enterprise Server 11 SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1
IPMITool In-Band	X	X	X	X	X	X	X

	Red Hat Enterprise Linux 5.8 (32-bit)	Red Hat Enterprise Linux 5.8 (64-bit)	Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)	Red Hat Enterprise Linux 6.3 (64-bit)
IPMITool In-Band	X	X	X	X

	Red Hat Enterprise Linux 6.4 (64-bit)	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.1 (64-bit)	Red Hat Enterprise Linux 7.2
IPMITool In-Band	X	X	X	X	X

Supported Microsoft Windows Operating Systems for IPMITool Out-of-Band

The following table lists the 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 35. Supported Microsoft Windows Server Operating Systems for BMU and IPMI Tool Out-of- Band

	Microsoft Windows Server 2008	Microsoft Windows Server 2008 R2	Microsoft
	(64-bit)	(64-bit)	
Service Pack		SP1/SP2	
IPMITool Out-of-Band		X	X

Table 36. Supported Microsoft Windows Operating Systems for BMU and IPMI Tool Out-of- Band

	Microsoft Windows	Microsoft Windows	Microsoft Windows 7.0
	XP (32-bit)	Vista (64- bit)	(32-bit)
Service Pack	SP3	SP2	
IPMITool Out-of-Band	X	X	X

Supported Linux Operating Systems for IPMITool Out-of-Band

The following table lists the supported Linux operating systems for the IPMITool Out-of-Band.

An '**X** ' in the operating system column indicates IPMITool.

Table 37. Supported Linux Operating Systems for IPMITool

	SUSE Linux Enterprise Server 10 SP3 (64-bit)	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	SUSE Linux Enterprise Server 11 SP4 (64-bit)	SUSE Linux Enterprise Server 12 (64-bit)	SUSE Linux Enterprise Server 12 SP1
IPMITool Out-of-Band	X	X	X	X	X	X	X

	Red Hat Enterprise Linux 5.8 (32-bit and 64-bit)	Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)
IPMITool Out-of-Band	X	X	X	X

	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7 (64-bit)	Red Hat Enterprise Linux 7.1 (64-bit)	Red Hat Enterprise Linux 7.2
IPMITool Out-of-Band	X	X	X	X	X

Supported Microsoft Windows Operating Systems for IPMITool BMU

The following table lists the supported Microsoft Windows operating systems for the IPMI Tool.

An ' **X** ' in the operating system column indicates IPMITool support.

Table 38. Supported Microsoft Windows Server Operating Systems for IPMITool

	Microsoft Windows Server2008 (32-bit and 64- bit)	Microsoft Windows Server2008 R2 (64-bit)
Service Pack	SP1/SP2	SP1/SP2
IPMITool	X	X

Table 39. Supported Microsoft Windows Operating Systems for IPMITool

	Microsoft Windows XP (32-bit)	Microsoft Windows Vista (32-bit)	Microsoft Windows Vista
Service Pack	SP3	SP2	SP2
IPMITool	X	X	X

Supported Linux Operating Systems for IPMITool BMU

The following table lists the supported Linux operating systems for the IPMITool BMU.

An ' **X** ' in the operating system column indicates BMU support.

Table 40. Supported Linux Operating Systems for IPMITool

	SUSE Linux Enterprise Server 10 SP3 (64-bit)	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP1 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	SUSE Linux Enterprise Server 11 SP4 (64-bit)	SUSE Linux Enterprise Server 12 SP4 (64-bit)	SUSE Linux Enterprise Server 12 SP1
IPMITool	X	X	X	X	X	X	X

	Red Hat Enterprise Linux 5.8 (32-bit and 64-bit)	Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)	Red Hat Enterprise Linux 6.3 (64-bit)	Red Hat Enterprise Linux 6.4 (64-bit)
IPMITool	X	X	X	X

	Red Hat Enterprise Linux 6.5 (64-bit)	Red Hat Enterprise Linux 6.7 (64-bit)	Red Hat Enterprise Linux 7.1 (64-bit)	Red Hat Enterprise Linux 7.1
IPMITool	X	X	X	X

Supported Virtualization Operating Systems for IPMITool BMU

The following table lists the supported Virtualization operating systems for the IPMITool.

An ' **X** ' in the operating system column indicates IPMITool support.

				VMware
Edition	ESXi 5.0 U1 and U3	ESXi 5.1 U2	ESXi 5.5 (flash, HDD)	ESXi 5.1 U3
IPMI Tool	X	X	X	X

		Microsoft
Hyper -V for Windows 2008	Hyper-V R2 SP1 for Windows 2008	Hyper-V for Windows 2012
X	X	X

6

Network Interface Controllers and Supported Operating Systems

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

The following table lists the NIC manufacturers and drivers version required for the supported operating systems in OpenManage 8.3.

Table 41. NIC Manufacturers and Drivers Required for Supported Microsoft Windows Operating Systems

NIC Product Name	Microsoft Windows	
	Microsoft Windows 2008 Family	Microsoft Windows Server 2012 Family
Broadcom Family of Adapters	17.0.4	17.0.4
Intel Family of Adapters	17.0.0	17.0.0
QLogic FC & Classic CNAs Family of Adapters	5.3.29.801	5.3.29.801
QLogic formally Broadcom CNAs	19.0.0	19.0.0
Emulex Family of Adapters	08.02.31	08.02.31
Brocade Family of Adapters	3.2.3	3.2.3
Mellanox Family of Adapters (Ethernet only)	WinOF 4.90 (R2 only)	WinOF 4.90

Table 42. NIC Manufacturers and Drivers Required for Supported Red Hat Enterprise Linux and SUSE Linux Enterprise Server Operating Systems

NIC Product Name	Red Hat Enterprise Linux					
	6.3	6.4	6.5 (32–bit & 64–bit)	7	7.1	7.2
Broadcom Family of Adapters	17.0.4	17.0.4	17.0.4	Input drivers	Input drivers	Input drivers
Intel Family of Adapters	Not Supported	15.0.0	16.5.0	16.5.0	17.0.0	Not Supported
QLogic FC & Classic CNAs Family of Adapters	5.0.29-4	5.0.29-4	5.3.62	5.3.62	5.3.62	5.3.62
QLogic formally Broadcom CNAs	19.2.0	19.2.0	19.2.0	19.2.0	19.2.0	19.2.0
Emulex Family of Adapters	Not Supported	08.01.16	08.02.31 (64–bit only)	08.02.31	08.02.31	08.02.31
Brocade Family of Adapters	3.2.3	3.2.3	3.2.3	3.2.3	3.2.3	3.2.3
Mellanox Family of Adapters (Ethernet only)	Not Supported	MLNX OFED 2.4.1.0.0	MLNX OFED 2.4.1.0.0	Inbox drivers 2.4.1.0.0	Inbox drivers 2.4.1.0.0	Inbox drivers 2.4.1.0.0

NIC Product Name	SUSE Linux Enterprise Server				
	11 SP1 (64–bit)	11 SP2 (64–bit)	11 SP3 (64–bit)	12	12 SP1
Broadcom Family of Adapters	17.0.4	17.0.4	17.0.4	17.0.4	17.0.4
Intel Family of Adapters	Not Supported	Not Supported	16.5.0	16.5.0	17.0.0
QLogic FC & Classic CNAs Family of Adapters	5.0.29-4	5.0.29-4	5.3.62	5.3.62	5.3.62
QLogic formally Broadcom CNAs	19.2.0	19.2.0	19.2.0	19.2.0	19.2.0
Emulex Family of Adapters	Not Supported	Not Supported	08.02.31	08.02.31	08.02.31
Brocade Family of Adapters	3.2.3	3.2.3	3.2.3	3.2.3	3.2.3
Mellanox Family of Adapters (Ethernet only)	Not Supported	Not Supported	MLNX OFED 2.4.1.0.0	MLNX OFED 2.4.1.0.0	MLNX OFED 2.4.1.0.0

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

Starting with Dell OpenManage Server Administrator version 5.0, only the enhanced Storage Management Service is 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 SATA controllers. System administrators responsible for monitoring the compatibility of their systems' storage devices need a clear matrix that shows the elements that are compatible with a particular storage controller. Each storage controller version in turn supports a specific array of elements, including:

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

For more information on Storage Management Services see the Dell *Server Administrator Storage Management User's Guide* at **dell.com/openmanagemanuals**.

The following types of controllers are included in this section:

● The RAID controller card group contains the following controllers: SAS 6/iR Integrated, PERC 6/E Adapter, PERC 6/i Adapter, PERC 6/i Integrated, PERC 6/i Modular, PERC H200 Adapter, PERC H200 Integrated, PERC H200 Modular, PERC H700, PERC H710 Adapter, H710P Adapter, H710P Mini, PERC H800, PERC H810 Adapter, PERC H830 Adapter, PERC H830 Mini Monolithic, PERC H730 Adapter, PERC H730 Mini Monolithic, PERC H730P Adapter, PERC H730P Mini Monolithic, PERC H330 Adapter, PERC H330 Mini Monolithic, PERC H330 Embedded, S130, SAS 6/iR Adapter, and SAS 12Gbps HBA, HBA H330 Adapter, HBA H330 Mini, FD33XD-PERC Dual, FD33XS-PERC single.

ⓘ **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 **dell.com/openmanagemanuals** for the Storage Management Service.

Topics:

- Linux Driver Included in RPM*
- PERC 6/i Adapter, Integrated, and 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
- PERC H700 Adapter, Integrated, and Modular
- PERC H800 Adapter
- PERC H830 Adapter, Mini Monolithic
- PERC H200 Adapter, Integrated, and Modular
- PERC H310 Adapter, Mini Blade, and Mini Monolithic
- PERC H330 Adapter, Mini Monolithic, Embedded
- PERC H710 Adapter, Mini Blade, and Mini Monolithic
- PERC H710P Adapter, Mini Blade, and Mini Monolithic
- PERC H730 Adapter
- PERC H730P Adapter

- PERC H810 Adapter
- PERC S100
- PERC S110
- PERC S130
- FD33XS-PERC Single
- FD33XD-PERC Dual
- PERC S300
- Dell PowerEdge PCIe Express Flash SSD
- PERC HBA 330 Mini, Adapter
- SAS 12Gbps HBA
- Internal Tape Adapter

Linux Driver Included in RPM*

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

PERC 6/i Adapter, Integrated, and Modular

The PERC 6/i Adapter supports the following Dell PowerEdge systems: R410, R905, T300, and T605.

The PERC 6/i Integrated supports the following Dell PowerEdge systems: T410, T710, T310, R310, R210, R220, T110, R510, R810, R910, M910, R715, R815, R415, R515, R805, R900, T610, R410, R610, R710, M610, and M710.

The PERC 6/i Modular supports the following Dell PowerEdge systems: R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, R220, T110, R510, R810, R910, M910, R715, R815, R415, R515, R805, and R900.

The following tables list the other elements supported by the PERC 6/i Integrated and Adapter.

Table 43. Storage Management Service Supported Elements: PERC 6/i Adapter, Integrated and Modular

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	6.3.3-0002	2.24.0.32	2.24.0.64	4.5.0.64	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64-bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

PERC 6/E Adapter

The PERC 6/E Adapter supports the following Dell PowerEdge systems: R200, R220, R300, R805, R900, R905, T300, T610, R410, R610, R710, 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 Storage systems: MD1000 and MD1120.

The PERC 6/E Adapter supports six storage enclosures.

The following tables list the other elements supported by the PERC 6/E Adapter.

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

Storage Management Service Version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	6.3.3-0002	2.24.0.32	2.24.0.64	4.5.0.64	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

SAS 6/iR Integrated and Adapter

The SAS 6/iR Integrated supports the following Dell PowerEdge systems: R805, R900, M600, M605, M805, M905, T610, R410, R610, R710, M610, M710, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, R220, 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.

The following tables list the other elements supported by the SAS 6/iR Integrated and Adapter.

Table 45. Storage Management Service Supported Elements: SAS 6/iR Integrated and Adapter

Storage Management Service Version	Server Administrator Version	SAS Firmware/ BIOS Version	Windows Server 2008 Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	00.25.47.00/ 06.22.03.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	1.28.03.52	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native	Native

SAS 6/int Modular

The following tables list the elements supported by the SAS 6/iR Integrated and Adapter.

Table 46. Storage Management Service Supported Elements: SAS 6/int Modular

Storage Management Service version	Server Administrator Version	SAS Firmware/BIOS Version
5.3	8.3	00.25.47.00/06.22.03.00

Windows Server 2008 Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver	Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
1.28.03.01 (32–bit) 1.28.03.01 (64–bit)	1.28.03.52	Native	Native	Native	Native	Native	Native	Native

SAS 6 Gbps HBA

The SAS 6 Gbps HBA supports the following Dell PowerEdge systems: R805, R900, M600, M605, M805, M905, T610, R410, R610, R710, M610, M710, R200, R220, R300, R410, T105, T300, R905, T100, and T605.

The following tables list the other elements supported by the SAS 6 Gbps HBA.

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

Storage Management Service version	Server Administrator Version	SAS Firmware/ BIOS Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	07.03.06.00	2.0.35.10	2.0.35.10	2.0.35.10	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native	Native	Native

LSI Logic 1020/1030 Ultra320 SCSI Adapter

LSI Logic 1020/1030 Ultra320 SCSI adapter supports the following Dell PowerEdge systems: R200, R220, R300, R900, R805, R905, T100, T105, T300, and T605.

The following tables list the other elements supported by LSI Logic 1020/1030 Ultra320 SCSI adapter.

Table 48. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter

Storage Management Service version	Server Administrator Version	PERC Firmware/BIOS Version
5.3	8.3	1.03.27.00.5.10.08.00.12

Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.1 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

PERC H700 Adapter, Integrated, and Modular

The PERC H700 Adapter supports the following Dell PowerEdge systems: R220, R310, R410, R320, R420, R520, T310, T320, T410 and T420.

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

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, R220, T110, R810, R910, M910, R415, and R515.

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

The following tables list the other elements supported by the PERC H700 Integrated and Adapter.

Table 49. Dell OpenManage Supported Elements: PERC H700 Adapter, Integrated, and Modular

Storage Management Service Version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver	Windows Server 2012 Driver R2
5.3	8.3	12.10.7-0001	4.31.1.32	4.31.1.64	4.31.1.64	Native	Native

Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

PERC H800 Adapter

The PERC H800 Adapter supports the following Dell PowerEdge systems: R220, R320, R420, R520, R710, R815, T410, R715, R210, R510, T310, R310, T320, T420, T610, R610, R410, and T710.

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

The PERC H800 Adapter supports eight storage devices.

The following tables list the other elements supported by the PERC H800 Adapter.

Table 50. Dell OpenManage Supported Elements: PERC H800 Adapter

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	12.10.7-0001	4.31.1.32	4.31.1.64	4.31.1.64	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

PERC H830 Adapter, Mini Monolithic

The PERC H830 Adapter, Mini Monolithic support the following Dell PowerEdge systems: R430, R530, R,630, R730, R7910, R730 XD, T430, T630, M630, M830, FC430, FC630, FC830 and C4130.

The following tables list the other elements supported by the PERC H830 Adapter, Mini Monolithic controllers.

Table 51. Dell OpenManage supported elements: PERC H830 Adapter, Mini Monolithic

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32–bit Driver	Windows Server 2008 SP1 R2 (64-bit)	Windows Server 2012 (64–bit)
5.3	8.3	25.4.0.0011	6.603.01.00	6.603.01.00	6.603.01.00

Windows Server 2012 Driver R2 (64–bit)	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	VMware ESXi 5.x Driver	VMware ESXi 6.0 U2 Driver	SUSE Linux Enterprise Server 11 SP4 64 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
6.603.01.00	Native	Native	Native	Native	Native	Native

PERC H200 Adapter, Integrated, and Modular

The PERC H200 Adapter supports the following Dell PowerEdge systems: T410, R210, R220, T110, T310, R310, T610, R410, and T710.

The PERC H200 Integrated supports the following Dell PowerEdge systems: R220, R710, R815, R715, R510, T610, R610, and T710.

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

The following tables list the other elements supported by the PERC H200 Modular controllers.

Table 52. Dell OpenManage Supported Elements: PERC H200 Adapter, Integrated and Modular

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	07.03.06.00	2.0.35.10	2.0.35.10	2.0.35.10	Native

Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native

PERC H310 Adapter, Mini Blade, and Mini Monolithic

The PERC H310 Adapter, Mini Blade, and Mini Monolithic support the following Dell PowerEdge systems: R620, R720, R720XD, M520, M620, R820, R220, R320, R420, R520, T320, T420 and T620.

The following tables list the other elements supported by the PERC H310 Adapter, Mini Blade, and Mini Monolithic controllers.

Table 53. Dell OpenManage Supported Elements: PERC H310 Adapter, Mini Blade, and Mini Monolithic

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	20.13.1-0002	6.803.21.00	6.803.21.00	6.803.21.00	6.803.21.00

Windows Server 2012 R2 Driver	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 64–bit Driver	SUSE Linux Enterprise Server 12 SP1 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 Driver
6.803.21.00	Native	Native	Native	Native	Native	Native

PERC H330 Adapter, Mini Monolithic, Embedded

The following tables list the other elements supported by the PERC H330 Adapter, Mini Monolithic, Embedded controllers.

Table 54. Dell OpenManage supported elements: PERC H330 Adapter, Mini Monolithic, Embedded

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 SP1 R2 (64-bit)	Windows Server 2012 (64–bit)
5.3	8.3	25.4.0.0011	6.603.01.00	6.603.01.00

Windows Server 2012 Driver R2 (64–bit)	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
6.603.01.00	Native	Native	Native	Native

PERC H710 Adapter, Mini Blade, and Mini Monolithic

The PERC H710 Adapter, Mini Blade, and Mini Monolithic support the following Dell PowerEdge systems: R620, R720, R720XD, M520, M620, R220, R320, R420, R520, T320, T420 and T620.

The following tables list the other elements supported by the PERC H710 Adapter, Mini Blade, and Mini Monolithic controllers.

Table 55. Dell OpenManage Supported Elements: PERC H710 Adapter, Mini Blade and Mini Monolithic

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	21.3.2.0005	6.803.21.00	6.803.21.00	6.803.21.00	6.803.21.00

Windows Server 2012 R2 Driver	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
6.803.21.00	Native	Native	Native	Native

PERC H710P Adapter, Mini Blade, and Mini Monolithic

The PERC H710P Adapter, Mini Blade, and Mini Monolithic support the following Dell PowerEdge systems: R620, R720, R720XD, R820, M520, M620, R220, R320, R420, R520, T320, T420 and T620.

The following tables list the other elements supported by the PERC H710P Adapter, Mini Blade, and Mini Monolithic controllers.

Table 56. Dell OpenManage Supported Elements: PERC H710P Adapter, Mini Blade, and Mini Monolithic

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	21.3.2-0005	6.803.21.00	6.803.21.00	6.803.21.00	6.803.21.00

Windows Server 2012 R2 Driver	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 Driver
6.803.21.00	Native	Native	Native	Native	Native	Native

PERC H730 Adapter

The following tables list the other elements supported by the PERC H730 controller.

Table 57. Dell OpenManage Supported Elements: PERC H730

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	25.4.0.0011	6.603.01.00	6.603.01.00	6.603.01.00	6.603.01.00

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7	SUSE Linux Enterprise Server 11 SP4 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 Driver
6.603.01.00	Native	Native	Native	Native

PERC H730P Adapter

The following tables list the other elements supported by the PERC H730P controller.

Table 58. Dell OpenManage Supported Elements: PERC H730P

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	25.4.0.0011	6.602.35.00	6.602.35.00	6.602.35.00	6.602.35.00

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
6.600.55.00	Native	Native	06.602.03.00	Native	Native

PERC H810 Adapter

The PERC H810 Adapter supports the following Dell PowerEdge systems: R620, R720, R720XD, R820, M620, R220, R320, R420, R520, T320, T420 and T620.

The following tables list the other elements supported by the PERC H810 Adapter controller.

Table 59. Dell Dell OpenManage Supported Elements: PERC H810 Adapter

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	21.3.2-0005	6.803.21.00	6.803.21.00	6.803.21.00	6.803.21.00

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 Driver
6.803.21.00	Native	Native	Native	Native	Native	Native

PERC S100

The PERC S100 controller supports the following Dell PowerEdge systems: R210, R210 II, R220, R310, R410, R510, R920, T110, T110 II, T310, and T410.

The following tables list the other elements supported by the PERC S100 controller.

Table 60. Dell OpenManage Supported Elements: PERC S100

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	2.0.0-0162	2.0.0-0162	2.0.0-0162	2.0.0-0162	Not Applicable

Windows Server 2012 Driver R2
Not Applicable

PERC S110

The PERC S110 controller supports the following Dell PowerEdge systems: M520, M620, R220, R320, R420, R520, R620, R720, T320, T420, and T620

The following tables list the other elements supported by the PERC S110 controller.

Table 61. Dell OpenManage Supported Elements: PERC S110

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.0.1	8.3	3.0.0.0139	3.0.0.0134	3.0.0.0134	3.0.0.0134	Not Applicable

Windows Server 2012 Driver R2
Not Applicable

PERC S130

The PERC S130 controller supports the following Dell PowerEdge systems: M520, M620, R220, R320, R420, R520, R620, R720, T320, T420, and T620

The following tables list the other elements supported by the PERC S130 controller.

Table 62. Dell OpenManage Supported Elements: PERC S110

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.0.1	8.3	4.1.0–0006	4.2.0–0009	4.2.0–0009	4.2.0–0009	4.2.0–0009

Windows Server 2012 Driver R2
4.2.0–0009

FD33XS-PERC Single

The FD33XS-PERC Single controller supports the Dell's 13th generation of PowerEdge systems.

The following tables list the other elements supported by the FD33XS-PERC Single controller.

Table 63. Dell OpenManage Supported Elements: FD33XS-PERC Single

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.0.1	8.3	25.4.0.0011	6.603.01.00	6.603.01.00	6.603.01.00	6.603.01.00

Windows Server 2012 Driver R2	Red Hat Linux 6.7 Driver	Red Hat Linux 7.2 Driver	SUSE Linux 11 SP4 Driver	SUSE Linux 12 SP1 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 U1 Driver
6.603.01.00	Native	Native	Native	Native	Native	Native

FD33XD-PERC Dual

The FD33XD-PERC Dual controller supports the Dell's 13th generation of PowerEdge systems.

The following tables list the other elements supported by the FD33XD-PERC Dual controller.

Table 64. Dell OpenManage Supported Elements: FD33XD-PERC Dual

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.0.1	8.3	25.4.0.0011	6.603.01.00	6.603.01.00	6.603.01.00	6.603.01.00

Windows Server 2012 Driver R2	Red Hat Linux 6.7 Driver	Red Hat Linux 7.2 Driver	SUSE Linux 11 SP4 Driver	SUSE Linux 12 SP1 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 U1 Driver
6.603.01.00	Native	Native	Native	Native	Native	Native

PERC S300

The PERC S300 controller supports the following Dell PowerEdge systems: R210, R210 II, R220, R310, R410, R415, R510, R515, T110, T110 II, T310, and T410

The following tables list the other elements supported by the PERC S300 controller.

Table 65. Dell OpenManage Supported Elements: PERC S300

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	2.0.0-0166+001 93000	2.0.0-0162	2.0.0-0162	2.0.0-0162	Not Applicable

Windows Server 2012 Driver R2
Not Applicable

Dell PowerEdge PCIe Express Flash SSD

The following tables list the other elements supported by the Dell PowerEdge PCIe Express Flash solid-state storage devices.

Table 66. Dell OpenManage Supported Elements: Dell PowerEdge PCIe Express Flash SSD

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	B1442808	Not Supported	Not Supported	6.27.1.8	Native

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	1.2.32-1	Native	1.2.32-1	Native

PERC HBA 330 Mini, Adapter

The following tables list the other elements supported by the PERC HBA 330 Mini, Adapter controller.

Table 67. Dell OpenManage Supported Elements: PERC HBA 330 Mini, Adapter

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver
5.3	8.3	25.4.0.0011	2.50.92.00	2.50.92.00	2.50.92.00	2.50.92.00

Windows Server 2012 Driver R2	Red Hat Enterprise Linux 6.7 Driver	SUSE Linux Enterprise Server 11 SP4 Driver	VMware ESXi 5.x Driver	VMware ESXi 6.0 Driver
2.50.92.00	Native	Native	Native	Native

SAS 12Gbps HBA

The SAS 12Gbps HBA supports the Dell Storage MD1400 and MD1420 Enclosures.

The following tables list the other elements supported by the SAS 12Gbps HBA.

Table 68. Storage Management Service supported elements: SAS 12Gbps HBA

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 SP1 R2 (64-bit)	Windows Server 2012 (64–bit)
5.3	8.3	09.17.20.06	2.50.92.00	2.50.92.00

Windows Server 2012 Driver R2 (64–bit)	Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 7.2	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
2.50.92.00	Native	Native	Native	Native

Internal Tape Adapter

The Internal Tape Adapter supports the following Dell PowerEdge systems: T620, T320, and T420.

The following tables list the other elements supported by the Internal Tape Adapter.

The Internal Tape Adapter supports the following Tape Drives: LTO3-080 for IBM ULTRIUM-HH3, LTO4-120 for IBM ULTRIUM-HH4, LTO5-140 for IBM ULTRIUM-HH5 and LTO6-200 for IBM ULTRIUM-HH6.

Table 69. Dell OpenManage Supported Elements: Internal Tape Adapter

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver	Windows Server 2012 Driver	Windows Server 2012 R2 Driver
5.3	8.3	07.03.06.00	2.0.35.10	2.0.35.10	2.0.35.10	Native	Native

Red Hat Enterprise Linux 6.7 Driver	Red Hat Enterprise Linux 7.2 Driver	SUSE Linux Enterprise Server 11 SP4 Driver	SUSE Linux Enterprise Server 12 SP1 Driver
Native	Native	Native	Native