



# Dell Systems Management - OpenManage Software Support Matrix Version 7.0

[Introduction](#)

[Supported Dell OpenManage Systems Management Software](#)

[Supported Dell OpenManage Change Management Software](#)

[Supported Dell OpenManage Systems Management Consoles](#)

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

[Supported Browsers](#)

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


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

[Lifecycle Controller — Supported Dell Systems and Operating Systems](#)

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## Notes and Cautions

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

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

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# 1. Introduction

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

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

## What's New for This Release

The following is the change in Dell OpenManage for this release:

- Support for new Dell Systems ( M620, R620, R720, R720xd, and T620)
- Support for PERC 8 Controllers (PERC H310, PERC H710, PERC H710P, PERC H810)
- Support for Software RAID Controllers (S110)
- Support for SUSE Linux Enterprise Server 11 SP2 x86\_64 for RAID controllers
- Support for VMware ESXi 5.0 P1

## Where Can I Find The Server Administrator Application?

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

## Structure of This Guide

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

### Supported Dell OpenManage Systems Management Software

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

- Dell OpenManage Server Administrator
- Dell OpenManage IT Assistant
- Dell Systems Build and Update Utility

### Supported Dell OpenManage Change Management Software

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

- Dell Update Packages
- Server Update Utility

### Supported Dell OpenManage Systems Management Consoles

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

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

## **Supported Dell Remote Access Controllers and Solutions**

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

## **Supported Browsers**

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

## **Network Interface Controllers and Supported Operating Systems**

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

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

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

## Supported GUI Languages

Dell OpenManage is localized into French, German, Spanish, Japanese, and Simplified Chinese. Dell OpenManage does not support languages outside of this table.

The following table plots the language of the Dell OpenManage GUI against the operating system languages.

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

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

## 2. Supported Dell OpenManage Systems Management Software

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

Dell OpenManage systems management software can be divided into:

- 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* at [support.dell.com/manuals](https://support.dell.com/manuals).

- Dell Systems Build and Update Utility

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

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

## Documentation Conventions for Dell Systems

The following table lists the documentation convention for the Dell systems.

**Table 2-1. Documentation Conventions for Dell Systems**

<b>x9xx</b>	<b>xx0x</b>	<b>xx1x</b>	<b>xx2x</b>
1900	M600	M610	M620
1950	M605	M710	R620
1955	M805	M710HD	R720
2900	M905	M910	R720xd
2950	R200	R210	T620
2970	R300	R210 II	
6950	R805	R510	
PowerVault DL2000	R900	R610	
	R905	R710	
	T100	R715	
	T105	R815	
	T300	R910	
	T605	T110	
		T110 II	
		T310	
		T610	
		T710	
		PowerVault DL2200	
		PowerVault DX6000	
		PowerVault NX200	
		PowerVault NX300	
		PowerVault NX3000	
		PowerVault NX3100	

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

The following table lists the supported Dell OpenManage 7.0 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 and Dell Systems Build and Update Utility are 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 2-2. Supported Dell OpenManage 7.0 Systems Management Software on Systems Running Microsoft Windows Operating Systems**

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 x86 and x64 SP1/SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2008 and R2	Microsoft Windows Server 2003	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise	Data Center	Web	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	HPC Edition	Compute Cluster Edition	Basic	Standard	Enterprise	Workgroup
M620	X	X		X								
R200	X	X		X		X						
R210	X	X		X	X	X						








<b>Dell System</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 x86 and x64 SP1/SP2</b>	<b>Microsoft Windows Small Business Server 2011</b>	<b>Microsoft Windows Small Business Server 2011</b>	<b>Microsoft Windows Server 2008 and R2</b>	<b>Microsoft Windows Server 2003</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>	<b>Microsoft Windows Server 2008 SP2</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>
	<b>Foundation, Standard, and Enterprise</b>	<b>Data Center</b>	<b>Web</b>	<b>Foundation, Standard, Enterprise, and Datacenter</b>	<b>Essentials</b>	<b>Standard, Premium Add-on</b>	<b>HPC Edition</b>	<b>Compute Cluster Edition</b>	<b>Basic</b>	<b>Standard</b>	<b>Enterprise</b>	<b>Workgroup</b>
R815	X		X	X			X					
R900	X		X	X		X						
R905	X		X	X		X						
R910	X	X	X	X								
M600	X		X	X				X				
M605	X		X	X				X				
M610	X		X	X			X					
M610x	X	X	X	X			X					
M710	X		X	X			X					
M710HD	X		X	X								
M805	X	X	X	X								
M905	X		X	X								
M910	X	X	X	X								
T100	*			*		*						
T105	*			*		*						

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 x86 and x64 SP1/SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2008 and R2	Microsoft Windows Server 2003	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise	Data Center	Web	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	HPC Edition	Compute Cluster Edition	Basic	Standard	Enterprise	Workgroup
T110	X			X		X						
T110 II	X	X		X	X	X						
T300	X			X		X						
T310	X			X	X	X						
T410	X		X	X		X						
T605	X			X		X						
T610	X		X	X		X						
T620	X	X	X	X								
T710	X		X	X		X						
PowerVault DL2000	X	X	X	X		X						
PowerVault DL2100	X	X	X	X		X						
PowerVault DL2200	X	X	X	X		X						
DP100	X	X	X	X		X						

<b>Dell System</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 R2 x64 and SP1</b>	<b>Microsoft Windows Server 2008 x86 and x64 SP1/SP2</b>	<b>Microsoft Windows Small Business Server 2011</b>	<b>Microsoft Windows Small Business Server 2011</b>	<b>Microsoft Windows Server 2008 and R2</b>	<b>Microsoft Windows Server 2003</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>	<b>Microsoft Windows Server 2008 SP2</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>	<b>Microsoft Windows Storage Server 2008 SP2</b>
	<b>Foundation, Standard, and Enterprise</b>	<b>Data Center</b>	<b>Web</b>	<b>Foundation, Standard, Enterprise, and Datacenter</b>	<b>Essentials</b>	<b>Standard, Premium Add-on</b>	<b>HPC Edition</b>	<b>Compute Cluster Edition</b>	<b>Basic</b>	<b>Standard</b>	<b>Enterprise</b>	<b>Workgroup</b>
PowerVault DX6000	X	X	X	X		X		X				
FS7500	X	X	X	X		X						
NF100	X	X	X	X		X						
PowerVault NX1950	X	X	X	X		X						
PowerVault NX200									X			
PowerVault NX300	X	X	X	X		X		X		X		X
PowerVault NX3000	X	X	X	X		X				X	X	
PowerVault NX3100	X	X	X	X		X				X		
PowerVault NX3500									X	X	X	X
PowerEdge 1900	X			X		X						

Dell System	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 R2 x64 and SP1	Microsoft Windows Server 2008 x86 and x64 SP1/SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2008 and R2	Microsoft Windows Server 2003	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise	Data Center	Web	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	HPC Edition	Compute Cluster Edition	Basic	Standard	Enterprise	Workgroup
PowerEdge 1950	X	X	X	X		X		X				
PowerEdge 1955	X		X	X		X		X				
PowerEdge 2900	X		X	X		X						
PowerEdge 2950	X	X	X	X		X		X				
PowerEdge 2970	X	X	X	X		X		X				
PowerEdge 6950	X		X	X		X						

-  **NOTE:** Dell PowerVault DL2100 supports the installation of only Windows Server 2008 x64 Standard Edition with SP2 or higher operating system.
-  **NOTE:** Dell PowerVault DL2000 supports the installation of only Windows Server 2008 x64 Standard Edition with SP1 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.

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

The following table lists the supported Dell OpenManage 7.0 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 and Dell Systems Build and Update Utility are 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 2-3. Supported Dell OpenManage Systems Management Software on Systems Running Linux Operating Systems**

Dell System	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
R200	X	X	X	X	X
R210	X	X	X	X	X
R210 II	X	X	X	X	X
R300	X	X	X	X	X
R310	X	X	X	X	X
R410	X	X	X	X	X
R415	X	X	X	X	X
R510	X	X	X	X	X
R515	X			X	X
R610	X	X	X	X	X
R620	X	X	X		X
R710	X	X	X	X	X
R715	X	X	X	X	X
R720	X	X	X	X	X
R720xd	X	X	X	X	X

Dell System	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
R805	X	X	X	X	X
R810	X	X	X	X	X
R815	X	X	X	X	X
R900	X	X	X	X	X
R905	X	X	X	X	X
R910	X	X	X	X	X
M600	X	X	X	X	X
M605	X	X	X	X	X
M610	X	X	X	X	X
M610x	X	X	X	X	X
M620	X	X	X	X	X
M710	X	X	X	X	X
M710HD	X	X	X	X	X
M805	X	X	X	X	X
M905	X	X	X	X	X
M910	X	X	X	X	X
T100	*	X	*	*	X
T105	*	X	*	*	X
T110	X	X	X	X	X
T110 II	X	X	X	X	X
T300	X	X	X	X	X
T310	X	X	X	X	X
T410	X	X	X	X	X
T605	X	X	X	X	X
T610	X	X	X	X	X
T620	X	X	X	X	X

<b>Dell System</b>	<b>SUSE Linux Enterprise Server 10 SP4 (64-bit)</b>	<b>SUSE Linux Enterprise Server 11 SP2 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 x86 (32-bit)</b>	<b>Red Hat Enterprise Linux 6.1 (64-bit)</b>
T710	X	X	X	X	X
PowerEdge 1900	X	X	X	X	X
PowerEdge 1950	X	X	X	X	X
PowerEdge 1955	X	X	X	X	X
PowerEdge 2900	X	X	X	X	X
PowerEdge 2950	X	X	X	X	X
PowerEdge 2970	X	X	X	X	X
PowerEdge 6950	X	X	X	X	X
PowerEdge 6800	X	X	X	X	X
PowerEdge 6850	X	X	X	X	X



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

The following table lists the supported Dell OpenManage 7.0 installation and systems management software on systems running supported virtualization operating system.

An X in the intersection of the operating system and the Dell system columns indicates that Server Administrator and Dell Systems Build and Update Utility are supported on that operating system for the corresponding Dell system.


An asterisk (\*) in the intersection of the operating system and the Dell system columns indicates operating system support for Dell systems that do not support Dell OpenManage software.


**Table 2-4. Supported Dell OpenManage Systems Management Software on Systems Running Virtualization Operating Systems**

Dell System	VMware						Microsoft		Citrix	
	ESX 4.0 U3	ESX 4.1 U2	ESXi 4.0 U3 (HDD)	ESXi 4.0 U3 (Flash)	ESXi 4.1 U2 (HDD)	ESXi 4.1 U2 (Flash)	ESXi 5	Hyper-V for Windows 2008	Hyper-V R2 for Windows 2008	XenServer 6.0
R200	X	X	X		X		X	X	X	
R210	X	X	X		X		X	X	X	X
R210 II		X			X		X	X	X	X
R300	X	X	X		X		X	X	X	X
R310	X	X	X		X		X	X	X	X
R410	X	X	X		X		X	X	X	X
R415	X	X	X		X		X	X	X	X
R510	X	X	X	X	X	X	X	X	X	X
R515	X	X	X		X		X	X	X	X
R610	X	X	X	X	X	X	X	X	X	X
R620		X			X	X	X	X	X	X
R710	X	X	X	X	X	X	X	X	X	X
R715	X	X	X	X	X	X	X	X	X	X
R720		X			X	X	X	X	X	X

Dell System	VMware							Microsoft		Citrix
	ESX 4.0 U3	ESX 4.1 U2	ESXi 4.0 U3 (HDD)	ESXi 4.0 U3 (Flash)	ESXi 4.1 U2 (HDD)	ESXi 4.1 U2 (Flash)	ESXi 5	Hyper-V for Windows 2008	Hyper-V R2 for Windows 2008	XenServer 6.0
R720xd		X			X	X	X			X
R805	X	X	X	X	X	X	X	X	X	X
R810	X	X	X	X	X	X	X	X	X	X
R815	X	X	X	X	X	X	X	X	X	X
R900	X	X	X	X	X	X	X	X	X	X
R905	X	X	X	X	X	X	X	X	X	X
R910	X	X	X	X	X	X	X	X	X	X
M600	X	X	X		X		X	X	X	X
M605	X	X	X		X		X	X	X	X
M610	X	X	X		X		X	X	X	X
M610x	X	X	X	X	X	X	X	X	X	X
M620		X			X	X	X	X	X	X
M710	X	X	X	X	X	X	X	X	X	X
M710HD	X	X	X	X	X	X	X	X	X	X
M805	X	X	X	X	X	X	X	X	X	X
M905	X	X	X	X	X	X	X	X	X	X
M910	X	X	X	X	X	X	X	X	X	X
T100	*	*	*		*		*	*	*	
T105	No Support	No Support	No Support		No Support		No Support	*	*	
T110	X	X	X		X		X	X	X	X
T110 II		X			X		X	X	X	X
T300	X	X	X		X		X	X	X	
T310	X	X	X		X		X	X	X	X
T410	X	X	X		X		X	X	X	X

Dell System	VMware							Microsoft		Citrix
	ESX 4.0 U3	ESX 4.1 U2	ESXi 4.0 U3 (HDD)	ESXi 4.0 U3 (Flash)	ESXi 4.1 U2 (HDD)	ESXi 4.1 U2 (Flash)	ESXi 5	Hyper-V for Windows 2008	Hyper-V R2 for Windows 2008	XenServer 6.0
T605	X	X	X		X		X	X	X	
T610	X	X	X	X	X	X	X	X	X	X
T620		X			X	X	X	X	X	X
T710	X	X	X	X	X	X	X	X	X	X
PowerEdge 1950	X	X	X	X	X	Support only on 1950 III	X	X	X	X
PowerEdge 1955	X	X	X		X		X	X	X	
PowerEdge 2900	X					Support only on 2900 III				
PowerEdge 2950	X	X	X	X	X	Support only on 2950 III	X	X	X	X
PowerEdge 2970	X	X	X	X	X	X	X	X	X	X
PowerEdge 6950	X	X	X		X		X	X	X	X

 **NOTE:** On Servers R810, R910 and M910, only ESX 4.0 and ESXi 4.0 U3 are supported on Intel Xeon 6500 series and 7500 series processors.

 **NOTE:** On Servers R715 and R815, only ESX 4.0 and ESXi 4.0 U3 are supported on Intel Xeon 6500 series and 7500 series processors.

### 3. 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

A Dell Update Package (DUP) is a self-contained executable in a standard package format. Each Update Package is designed to update a single software component on a Dell system.

Dell Update Packages 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 [support.dell.com/manuals](http://support.dell.com/manuals).

- Server Update Utility

Dell OpenManage Server Update Utility (SUU) is a DVD-based application for identifying and applying updates to a Dell system. You can use SUU to update your Dell system or to view the updates available for any system supported by SUU.

SUU compares the versions of components currently installed on your system with update components packaged on the *Dell Server Updates DVD*. SUU then displays a comparison report of the versions and provides the option of updating the components.

For more information on SUU, see the *Dell OpenManage Server Update Utility User's Guide* available at [support.dell.com/manuals](http://support.dell.com/manuals).

-  **NOTE:** Server Update Utility is used for server updates and may not work on newly released Dell systems that do not receive any server updates.















Dell System	Microsoft Windows Server 2008 R2 x64 SP2	Microsoft Windows Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2008 R2 SP1	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 R2
	Foundation, Standard, Enterprise, Data Center, and Web	Foundation, Standard, Enterprise, Data Center, and Web	Essentials	Standard, Premium Add-on	HPC Edition	Basic, Standard, Enterprise, and Workgroup	Express, Workgroup, Standard, and Enterprise
PowerVault NX3000	D, S	D, S	D, S	D, S	D, S	D, S	D, S
PowerVault NX3100	D, S	D, S	D, S	D, S	D, S	D, S	D, S
PowerVault DP500/NF500	D, S	D, S	D, S	D, S	D, S	D, S	D, S
PowerVault DP100/NF100	D, S	D, S	D, S	D, S	D, S	D, S	D, S
PowerVault DP600/NF600	D, S	D, S	D, S	D, S	D, S	D, S	D, S

-  **NOTE:** Dell PowerVault DL2100 supports the installation of only Windows Server 2008 x64 Standard Edition with SP2 or higher operating system.
-  **NOTE:** Dell PowerVault DL2000 supports the installation of only Windows Server 2008 x64 Standard Edition with SP1 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 supports the installation of only Windows Server 2008 R2 SP1 Standard Edition.

## Supported Change Management Software on Linux Operating Systems

The following table lists the supported Dell OpenManage 7.0 change management software on systems running supported Linux operating system.

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

An 'S' in the intersection of the operating system and the Dell system columns indicates support for Server Update Utility.

A 'Y' in the intersection of the operating system and the Dell system columns indicates support for YellowDog Update Modified (YUM) repository.

An asterisk (\*) in the intersection of the operating system and the Dell system columns indicates operating system support for Dell systems that do not support Dell OpenManage software.

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

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

Dell System	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
R200	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R210	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R210 II	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R300	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R310	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R410	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R415	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R510	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R515	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R610	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R620	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R710	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y

<b>Dell System</b>	<b>SUSE Linux Enterprise Server 10 SP4 (64-bit)</b>	<b>SUSE Linux Enterprise Server 11 SP2 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 x86 (32-bit)</b>	<b>Red Hat Enterprise Linux 6.1 (64-bit)</b>
R715	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R720	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R720xd	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R805	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R810	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R815	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R900	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R905	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
R910	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M600	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M605	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M610	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M620	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M710	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M710HD	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M805	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M905	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
M910	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T100	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T105	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T110	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T110 II	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T300	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T310	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T410	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T605	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T610	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y

<b>Dell System</b>	<b>SUSE Linux Enterprise Server 10 SP4 (64-bit)</b>	<b>SUSE Linux Enterprise Server 11 SP2 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 x86 (32-bit)</b>	<b>Red Hat Enterprise Linux 6.1 (64-bit)</b>
T620	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
T710	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
6950	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
2970	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
2950	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
2900	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
1955	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
1950	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y
1900	D, S, Y	D, S, Y	D, S, Y	D, S, Y	D, S, Y



Dell Systems	VMware			Microsoft		Citrix
	ESX 4.0 U3	ESX 4.1 U2	ESXi 5.0	Hyper-V for Windows 2008	Hyper-V R2 for Windows 2008	
R715	D, S	D, S	D, S	D, S	D, S	D, S
R720	D, S	D, S	D, S	D, S	D, S	D, S
R720xd	D, S	D, S	D, S	D, S	D, S	D, S
R805	D, S	D, S	D, S	D, S	D, S	D, S
R810	D, S	D, S	D, S	D, S	D, S	D, S
R815	D, S	D, S	D, S	D, S	D, S	D, S
R900	D, S	D, S	D, S	D, S	D, S	D, S
R905	D, S	D, S	D, S	D, S	D, S	D, S
R910	D, S	D, S	D, S	D, S	D, S	D, S
M600	D, S	D, S	D, S	D, S	D, S	D, S
M605	D, S	D, S	D, S	D, S	D, S	D, S
M610	D, S	D, S	D, S	D, S	D, S	D, S
M610x	D, S	D, S	D, S	D, S	D, S	D, S
M710	D, S	D, S	D, S	D, S	D, S	D, S
M710HD	D, S	D, S	D, S	D, S	D, S	D, S
M620	D, S	D, S	D, S	D, S	D, S	D, S
M805	D, S	D, S	D, S	D, S	D, S	D, S
M905	D, S	D, S	D, S	D, S	D, S	D, S
M910	D, S	D, S	D, S	D, S	D, S	D, S
T100	*	*	*	*	*	D, S
T105	*	*	*	*	*	D, S
T110	D, S	D, S	D, S	D, S	D, S	D, S
T110 II	D	D	D	D	D	D, S
T620	D, S	D, S	D, S	D, S	D, S	D, S
T300	D, S	D, S	D, S	D, S	D, S	D, S



## 4. 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 tools and applications include:

- Dell OpenManage Essentials
- Dell Management Console
- Dell OpenManage IT Assistant
- Dell OpenManage Power Center
- DRAC tools that include RACADM, VMCLI, and iVMCLI
- BMC Management Utility and IPMITool out-of-band
- IPMITool in-band

### Support for Server Administrator Web Server

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




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

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

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

	Microsoft Windows Server 2003 x86	Microsoft Windows Server 2003 x64	Microsoft Windows Server 2008 x86	Microsoft Windows Server 2008 x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows Vista x64	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64	Microsoft Windows Server 2008 R2 x86_64
<b>Service Pack</b>	SP2	SP2	SP2	SP2		SP3	SP2	SP2			SP1
<b>Server Administrator</b>	X	X	X	X	X						
<b>Server Administrator Web Server</b>	X	X	X	X	X	X	X	X	X	X	X

 **NOTE:** Microsoft Windows 2003 support is not provided for xx2x systems.

## 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 4-2. Supported Linux Operating Systems for Server Administrator on your system**


	SUSE Linux Enterprise Server 10 (64-bit)	SUSE Linux Enterprise Server 11 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
<b>Service Pack</b>	SP4	SP2			
<b>Server Administrator</b>	X	X	X	X	X
<b>Server Administrator Web Server</b>	X	X	X	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 4-3. Supported Virtualization Operating Systems Server Administrator and Server Administrator Web Server on your system**

Edition	VMware						Microsoft		Citrix
	ESX 4.0 U3	ESX 4.1 U2	ESXi 4.0 U3 (HDD)	ESXi 4.0 U3 (Flash)	ESXi 4.1 U2	ESXi 5.0	Hyper-V for Windows 2008	Hyper-V R2	XenServer 6.0
Server Administrator	X	X	X	X	X	X	X	X	X
Server Administrator Web Server	X	X					X	X	

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

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

## Supported Operating Systems for Server Administrator Web Server on Your Managed System (Servers)

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

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

The following table lists the supported Microsoft Windows operating systems for Dell Deployment Toolkit (DTK).

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

	Windows Preinstallation Environment 2.0	Windows Preinstallation Environment 2.0	Windows Preinstallation Environment 3.0	Windows Preinstallation Environment 3.0
	x86	x64	x86	x64
DTK	X	X	X	X

## Supported Linux Operating Systems for DTK

The following table lists the supported Linux operating systems for DTK.

**Table 4-5. Supported Linux Operating Systems for DTK**


	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
DTK	X	X	X	X	X


## Supported Microsoft Windows Operating Systems for Dell OpenManage Essentials

The following table lists the supported Microsoft Windows operating systems for Dell OpenManage Essentials.

**Table 4-6. Supported Microsoft Windows Operating Systems for Dell OpenManage Essentials**

	Microsoft Windows Server 2008 x86	Microsoft Windows Server 2008 x64	Microsoft Windows Server 2008 x86	Microsoft Windows Server 2008 x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows Server 2008 R2 x64
<b>Edition</b>	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise
<b>Service Pack</b>			SP2	SP2		SP1
<b>Dell OpenManage Essentials</b>	X	X	X	X	X	X

 **NOTE:** The Wow64 component is required to run a 64 bit operating system.

 **NOTE:** OpenManage Essentials is supported on a virtual machine.

For more information, see the Dell OpenManage Essentials Support Matrix at [support.dell.com/support/edocs/SOFTWARE/ome/en/index.htm](http://support.dell.com/support/edocs/SOFTWARE/ome/en/index.htm)

## Supported Microsoft Windows Operating Systems for Dell Management Console

The following table lists the supported Microsoft Windows operating systems for Dell Management Console.

**Table 4-7. Supported Microsoft Windows Operating Systems for Dell Management Console**

	Microsoft Windows Server 2008 R2 x64	Microsoft Windows Server 2008 R2 x64
<b>Edition</b>	Standard, Enterprise	Standard, Enterprise
<b>Service Pack</b>		SP1
<b>Dell Management Console</b>	X	X

For more information, see the Dell Management Console Support Matrix at [support.dell.com/support/edocs/software/smdmc/202/en/index.htm](http://support.dell.com/support/edocs/software/smdmc/202/en/index.htm)

## Supported Virtualization Operating Systems for Dell Management Console

The following table lists the supported Virtualization Windows operating systems for Dell Management Console.

**Table 4-8. Supported Virtualization Windows Operating Systems for Dell Management Console**

<b>Edition</b>	<b>VMware</b>			<b>Microsoft</b>	
	<b>ESX 3.5</b>	<b>ESX 4.0</b>	<b>ESX 4.1</b>	<b>Hyper-V Server 2008</b>	<b>Hyper-V Server 2008 R2</b>
<b>Dell Management Console</b>	X	X	X	X	X

For more information, see the Dell Management Console Support Matrix at [support.dell.com/support/edocs/software/smdmc/202/en/index.htm](http://support.dell.com/support/edocs/software/smdmc/202/en/index.htm)

## Supported Systems for Dell OpenManage IT Assistant

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


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

### Supported Microsoft Windows Operating Systems for IT Assistant

The following table lists the supported Microsoft Windows operating systems for IT Assistant.

**Table 4-9. Supported Microsoft Windows Operating Systems for IT Assistant**

	Microsoft Windows Server 2003 x86	Microsoft Windows Server 2003 R2 x86	Microsoft Windows Server 2008 x86	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64
<b>Edition</b>		Web, Standard, and Enterprise	Web, Standard, Enterprise	Standard, Enterprise	Professional	Business, Enterprise	Professional	Professional
<b>Service Pack</b>	SP2		SP2		SP3	SP2		
<b>IT Assistant</b>	X	X	X	X	X	X	X	X

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

### Supported Linux Operating Systems for IT Assistant

IT Assistant cannot be installed on Dell systems running Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating systems. These systems can however, launch IT Assistant through supported browsers (Firefox version 3.0).

## Supported Virtualization Operating Systems for IT Assistant

The following table lists the guest operating systems installed on the virtualization operating systems where IT Assistant can be installed.

**Table 4-10. Supported Operating Systems on Virtual Systems**

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

<p><b>Micorsoft Hyper-V</b>  <b><u>For the latest list,</u></b>  <b><u>see <a href="http://www.microsoft.com">http://www.microsoft.com</a></u></b></p>	<ul style="list-style-type: none"> <li>* Microsoft Windows Vista x86 Enterprise Edition</li> <li>* Microsoft Windows Server 2008 x86 SP2 Enterprise Edition</li> <li>* Microsoft Windows XP Professional x86 SP3</li> <li>* Microsoft Windows 7.0 x86 Professional Edition</li> <li>* Microsoft Windows 7.0 x64</li> <li>* Microsoft Windows Server 2008 R2 x64</li> </ul>
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## Supported Systems for Dell OpenManage Power Center

Dell OpenManage Power Center provides aggregated power measurement and capping at a rack, row, and room level enabling customers to increase their server density by capping power at a rack level and mitigate risk from power and thermal events by invoking customer pre-defined policies that let essential applications continue longer while cutting back on the power used by lesser priority applications such as file and print servers.

## Supported Microsoft Windows Operating Systems for Power Center

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

**Table 4-11. Supported Microsoft Windows Operating Systems for Power Center**

	Microsoft Windows Server 2008 x86/x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64	Microsoft Windows Server 2008 R2 x86_64 SP1
<b>Edition</b>	Web, Standard, Enterprise, Datacenter	Web, Standard, Enterprise, Datacenter	Professional	Business, Enterprise	Professional	Professional	Foundation, Standard, Enterprise, and Datacenter
<b>Service Pack</b>			SP3	SP2			
<b>Power Center</b>	X	X		X	X	X	X

## Supported Linux Operating Systems for Power Center

Power Center cannot be installed on Dell systems running Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating systems. These systems can; however, launch Power Center through supported browsers.

The following table lists the supported Virtualization operating systems for the physical system.

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

Edition	VMware							Microsoft		Citrix
	ESX 4.0 U3	ESX 4.1 U2	ESXi 4.0 U3 (HDD)	ESXi 4.0 U3 (Flash)	ESXi 4.1 U2 (HDD)	ESXi 4.1 U2 (Flash)	ESXi 5	Hyper-V for Windows 2008	Hyper-V R2	XenServer 6.0
Physical System Support	X	X	X	X	X	X	X	X	X	X

## Supported Systems for RACADM

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





## Supported 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 4-14. Supported Linux Operating Systems for RACADM**

	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
Service Pack	SP4				
Remote RACADM	X	X	X	X	X
Local RACADM	X	X	X	X	X

## Supported ESX 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 4-15. Supported Virtualization Operating Systems for RACADM**

	ESX 4.0 U3	ESX 4.1 U2	ESXi 5.0
Remote RACADM	X	X	X
Local RACADM	X	X	X

## Supported Microsoft Operating Systems for the RACADM Utility

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

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

**Table 4-16. Supported Microsoft Operating Systems for RACADM**

	Microsoft	
	Hyper-V	Hyper-V R2
Remote RACADM	X	X
Local RACADM	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 4-17. Supported Microsoft Windows Operating Systems for VMCLI and iVMCLI**

	Microsoft Windows Server 2008 x86/x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows Vista x64	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64
Service Pack	SP1/SP2	SP1/SP2	SP3	SP2	SP2		
VMCLI and iVMCLI	X	X	X	X	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 4-18. Supported Linux Operating Systems for VMCLI and iVMCLI**

	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
VMCLI and iVMCLI	X	X	X	X	X

## Supported Systems for IPMITool Out-of-Band

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

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

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

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

The following table lists the supported Microsoft Windows operating systems for IPMITool out-of-band.

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

**Table 4-19. Supported Microsoft Windows Operating Systems for BMU and IPMITool Out-of-Band**

	Microsoft Windows Server 2008 x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x64	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64
<b>Service Pack</b>	<b>SP1/SP2</b>	<b>SP1/SP2</b>	<b>SP3</b>	<b>SP2</b>		
<b>IPMITool Out-of-Band</b>	X	X	X	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 4-20. Supported Linux Operating Systems for IPMITool**

	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (x64)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
<b>IPMITool Out-of-Band</b>	X	X	X	X	X

## Supported Microsoft Windows Operating Systems for IPMITool

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

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

**Table 4-21. Supported Microsoft Windows Operating Systems for IPMITool**

	Microsoft Windows Server 2008 x86/x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows Vista x64	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64
<b>Service Pack</b>	<b>SP1/SP2</b>	<b>SP1/SP2</b>	<b>SP3</b>	<b>SP2</b>	<b>SP2</b>		
<b>IPMITool</b>	X	X	X	X	X	X	X

## Supported Linux Operating Systems for IPMITool

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

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

**Table 4-22. Supported Linux Operating Systems for BMU**

	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (x64)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
<b>IPMI Tool</b>	X	X	X	X	X

## Supported Virtualization Operating Systems for IPMITool

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

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

**Table 4-23. Supported ESX Operating Systems for IPMITool**

Edition	VMware			Microsoft		Citrix
	ESX 4.0 U2	ESX 4.1 U1	ESXi 5.0	Hyper-V	Hyper-V R2	XenServer 6.0
IPMITool	X	X	X	X	X	

## Supported Systems for IPMITool In-Band

IPMITool in-band helps in configuring and managing devices.

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

## Supported Microsoft Windows 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 4-24. Supported Microsoft Windows Operating Systems for IPMITool In-Band**

	Microsoft Windows Server 2008 x86/x64	Microsoft Windows Server 2008 R2 x64	Microsoft Windows XP x86	Microsoft Windows Vista x86	Microsoft Windows Vista x64	Microsoft Windows 7.0 x86	Microsoft Windows 7.0 x64
Edition	SP1/SP2	SP1/SP2		SP2	SP2		
IPMI Tool	X	X	X				
IPMI Tool In-Band	X	X	X	X	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 4-25. Supported Linux Operating Systems for IPMITool In-Band**

	<b>SUSE Linux Enterprise Server 10 SP4 (64-bit)</b>	<b>SUSE Linux Enterprise Server 11 SP2 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 x86 (32-bit)</b>	<b>Red Hat Enterprise Linux 6.1 (64-bit)</b>
<b>IPMITool In-Band</b>	X	X	X	X	X



## 5. Supported Dell Remote Access Controllers and Solutions

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

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

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

Supported Remote Access Controller versions and firmware, as well as supported BMC IPMI protocol versions, are listed in the following tables. The tables list the following DRAC types:

- Integrated Dell Remote Access Controller 7 (iDRAC7)
- Integrated Dell Remote Access Controller 6 (iDRAC6)
- Integrated Dell Remote Access Controller (iDRAC)
- Dell Remote Access Controller 5 (DRAC 5)
- Dell Remote Access Controller/Modular Computer (DRAC/MC)
- Dell Remote Access Controller 4 (DRAC 4)
- Dell Chassis Management Controller (CMC)

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

Dell System	DRACs		CMC Firmware Version	BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version			
M600	iDRAC	1.52	3.2		2.0
M605	iDRAC	1.52	3.2	N/A	2.0
M610	iDRAC6	3.2	3.2	N/A	2.0
M710	iDRAC6	3.2	3.2	N/A	2.0
M610x	iDRAC6	3.2	3.2	N/A	2.0
M620	iDRAC7	1.0	4.0	N/A	2.0
M710HD	iDRAC6	3.2	3.2	N/A	2.0
M805	iDRAC	1.52	3.2	N/A	2.0
M905	iDRAC	1.52	3.2	N/A	2.0
M910	iDRAC6	3.2	3.2	N/A	2.0
1955	DRAC/MC	1.5	N/A	2.03	2.0
1855	DRAC/MC	1.5	N/A	1.01 or later	1.5

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

Dell System	DRACs		BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version		
R200	DRAC 4	1.75	1.29 or later	2.0
R210	iDRAC6	1.8	N/A	2.0
R210 II	iDRAC6	1.8	1.8	2.0
R300	DRAC 5	1.6	2.34	2.0
R310	iDRAC6	1.8	N/A	2.0

Dell System	DRACs		BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version		
R410	iDRAC6	1.8	N/A	2.0
R415	iDRAC6	1.8	1.8	2.0
R510	iDRAC6	1.8	N/A	2.0
R515	iDRAC6	1.8	1.8	2.0
R610	iDRAC6	1.8	N/A	2.0
R620	iDRAC7	1.0	N/A	2.0
R710	iDRAC6	1.8	N/A	2.0
R715	iDRAC6	1.8	N/A	2.0
R720	iDRAC7	1.0	N/A	2.0
R720xd	iDRAC7	1.0	N/A	2.0
R805	DRAC 5	1.6	2.38	2.0
R810	iDRAC6	1.8	N/A	2.0
R815	iDRAC6	1.8	N/A	2.0
R900	DRAC 5	1.6	2.32	2.0
R905	DRAC 5	1.6	2.31	2.0
R910	iDRAC6	1.8	N/A	2.0
T100	DRAC 5	1.6	1.29 or later	2.0
T105	DRAC 5	1.6	1.29 or later	2.0
T110	No iDRAC support		N/A	2.0
T110 II	No iDRAC support		N/A	2.0
T300	DRAC 5	1.6	2.34	2.0
T310	iDRAC6	1.8	N/A	2.0
T410	iDRAC6	1.8	1.8	2.0
T605	DRAC 5	1.6	2.3	2.0
T610	iDRAC6	1.8	N/A	2.0
T620	iDRAC7	1.0	N/A	2.0
T710	iDRAC6	1.8	N/A	2.0

Dell System	DRACs		BMC Firmware Version	Supported IPMI Protocol Versions
	DRAC Type	Supported DRAC Firmware Version		
6950	DRAC 5	1.6	2.29	2.0
2970	DRAC 5	1.6	2.29	2.0
2950	DRAC 5	1.6	2.28	2.0
2900	DRAC 5	1.6	2.28	2.0
1950	DRAC 5	1.6	2.28	2.0
1900	DRAC 5	1.6	2.29	1.5
PowerVault DL2000	DRAC 5	1.6	1.29 or later	2.0
PowerVault DL2200	iDRAC6	1.8	1.7	2.0
PowerVault NX3000	iDRAC6	1.8	N/A	2.0
PowerVault NX3100	iDRAC6	1.8	N/A	2.0
PowerVault NX200	iDRAC6	1.8	N/A	2.0
PowerVault NX300	iDRAC6	1.8	1.7	2.0
PowerVault DL2100	iDRAC6	1.8	N/A	2.0
PowerVault DX6000	iDRAC6	1.8	N/A	2.0
EqualLogic FS7500	iDRAC6	1.8	N/A	2.0




## 6. Supported Browsers

The following table lists the supported browsers for Dell OpenManage 7.0 systems management software on systems running supported Microsoft Windows, Red Hat Linux, and SUSE Linux operating systems.

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

Operating System	Service Pack	Internet Explorer 7.0	Internet Explorer 8.0	Internet Explorer 8.0 x64	Internet Explorer 9.0	Internet Explorer 9.0 x64	Firefox 6.0	Firefox 7.0
Microsoft Windows Server 2003	SP2	X	X				X	X
Microsoft Windows Server 2003 x64	SP2	X	X	X				
Microsoft Windows Server 2003 R2 x64		X	X	X				
Microsoft Windows Server 2008	SP2	X	X				X	X
Windows Server 2008 x64	SP2	X	X	X		X	X	
Microsoft Windows Server 2008 R2 x64		X	X	X	X			
Microsoft Windows Server 2008 R2 x64	SP1	X	X	X	X			
Microsoft Windows XP x86	SP3	X	X				X	X
Microsoft Windows Vista x86	SP2	X	X		X		X	X
Microsoft Windows Vista x64	SP2	X	X	X	X	X		
Microsoft Windows 7.0 x86			X	X				
Microsoft Windows 7.0 x64			X	X	X	X	X	X

SUSE Linux Enterprise Server 10 SP4 (64-bit)		Native
SUSE Linux Enterprise Server 11 SP2 (64-bit)		Native
Red Hat Enterprise Linux 5.7 32-bit		Native
Red Hat Enterprise Linux 5.7 (64-bit)		Native
Red Hat Enterprise Linux 6.1 (64-bit)		Native

-  **NOTE:** On 64-bit operating systems with WOW64 component, IT Assistant can be launched only in 32-bit Web browsers.
-  **NOTE:** Mozilla Firefox is supported only on Microsoft Windows 32-bit operating systems.
-  **NOTE:** For the latest information, see the readme file for the specific product available on [support.dell.com/manuals](http://support.dell.com/manuals). On this page, click Software > Systems Management > Dell OpenManage Releases. Select the OpenManage Release version and then select the appropriate product to view the readme file.


## 7. 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 required for the supported operating system in OpenManage 7.0.


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

<b>NIC Product Name</b>	<b>Microsoft Windows 2008 Family</b>	<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4</b>	<b>SUSE Linux Enterprise Server 11 SP2</b>
Broadcom Family of Adapters	17.0.1	17.0.1	17.0.1	17.0.1	17.0.1
Intel Family of Adapters	13.0.0	13.0.0	13.0.0	13.0.0	13.0.0
Brocade Family Adapters	3.0.1.0	3.0.1.0	3.0.1.0	3.0.1.0	3.0.1.0
Qlogic Family of Adapters	2.0.0	2.0.0	2.0.0	2.0.0	2.0.0
Emulex Family of Adapters	5.212.09	5.212.09	5.212.09	5.212.09	5.212.09

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

## 8. 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 CERC IDE and SATA controllers. System administrators responsible for monitoring the compatibility of their systems' storage devices need a clear matrix that shows the elements that are compatible with a particular storage controller. Each storage controller version in turn supports a specific array of elements, including:


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

For more information on Storage Management Services see the Dell *OpenManage Server Administrator User's Guide* and the *Dell OpenManage Storage Management User's Guide* at [support.dell.com](http://support.dell.com).

The following types of controllers are included in this section:

- The RAID controller card group contains the following controllers: PERC 4/DC, PERC 4e/DC, PERC 5/E, PERC 5/i Adapter, PERC 5/i Integrated, SAS 5/iR Adapter, SAS 6/iR Integrated, PERC 6/E Adapter, PERC 6/i Adapter, PERC 6/i Integrated, PERC H200 Adapter, PERC H200 Integrated, PERC H200 Modular, PERC H700, PERC H800, SAS 6/iR Adapter, and CERC 6/i Integrated.
- The RAID on motherboard (ROMB) group includes the controllers: CERC SATA 1.5/2S, and SAS 5/iR Integrated.
- The LSI 1020/1030 embedded SCSI controller.
- The SAS 5/i Integrated and SAS 5/E controller.



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

## Linux Driver Included in RPM\*

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

## PERC 4/DC

The PERC 4/DC supports the following Dell PowerEdge systems: 1900, 1950, 1955, 2900, 2950, 2970, and 6950.

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

The following table lists the other elements supported by the PERC 4/DC.

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

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	352D	Native (32-bit) Native (64-bit)	Native	Native	Native

Red Hat Enterprise Linux 5.7 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	Native

## PERC 4e/DC

The PERC 4e/DC supports the following Dell PowerEdge systems: 1900, 1950, 2900, 2950, and 2970.

The following tables list the other elements supported by the PERC 4e/DC.

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

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 Driver	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	5B2D	Native	Native	Native	Native

Red Hat Enterprise Linux 5.7 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	Native


## PERC 5/E Adapter

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

The PERC 5/E Adapter supports the following Dell Storage systems: MD1000, MD1120.

The PERC 5/E Adapter supports six enclosures.

The following tables list the other elements supported by the PERC 5/E Adapter.

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

**Table 8-3. Storage Management Service Supported Elements: PERC 5/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
4.0	7.0	5.2.2-0076	2.24.0.32	2.24.0.64	2.24.0.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	00.00.03.21-6	Native

### PERC 5/i Adapter and Integrated

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

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

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

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

The following tables list the other elements supported by the PERC 5/i Adapter and Integrated

**Table 8-4. Storage Management Service Supported Elements: PERC 5/i Adapter and Integrated**

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
4.0	7.0	5.2.3-0074	2.24.0.32	2.24.0.64	2.24.0.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.38.02-3	Native

### SAS 5/iR Adapter and Integrated

The SAS 5/iR Adapter supports the following Dell PowerEdge systems: 1900, 2900, 6950, T605, and T610.

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

The following tables list the other elements supported by the SAS 5/iR Adapter.

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

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
4.0	7.0	00.10.51.00/ 06.12.05.00	1.28.03.01	1.28.03.01	1.28.03.01

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.38.02-3	Native

## SAS 5/i Integrated

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

The following tables list the other elements supported by the SAS 5/i Integrated controller.

**Table 8-6. Storage Management Service Supported Elements: SAS 5/i Integrated**

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
4.0	7.0	00.10.51.00/06.12.05.00	1.28.03.01	1.28.03.01	1.28.03.01

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.38.02-3	Native

## SAS 5/E Adapter

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

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

The following tables list the other elements supported by the SAS 5/E Adapter.

**Table 8-7. Storage Management Service Supported Elements: SAS 5/E Adapter**

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
4.0	7.0	00.10.51.00/06.12.05.00	1.28.03.01	1.28.03.01	1.28.03.01

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.38.02-3	Native

### PERC 6/i Adapter, Integrated, and Modular

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

The PERC 6/i Integrated supports the following Dell PowerVault NX1950 system.

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

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

The PERC 6/i Modular supports the following Dell PowerVault systems: PowerVault NX1950.

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

**Table 8-8. 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
4.0	7.0	6.3.0-0001	2.24.0.32	2.24.0.64	2.24.0.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
00.00.04.31.2-1	Native	00.00.04.31.29-1	Native

### CERC 6/i Integrated

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

The following tables list the other elements supported by the CERC 6/i Integrated.

**Table 8-9. Storage Management Service Supported Elements: CERC 6/i Integrated**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008	Windows Server 2008 R2 Driver
4.0	7.0	6.3.0-0001	2.24.0.32 (32-bit) 2.24.0.64 (64-bit)	Native

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
00.00.04.31.2-1	Native	00.00.04.31.29-1	Native

## PERC 6/E Adapter

The PERC 6/E Adapter supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, 6950, R200, R300, R805, R900, R905, T300, T610, R410, R610, and R710 1900, 1955, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, and R515.

The PERC 6/E Adapter supports the following Dell PowerVault systems: PowerVault DL2000.

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 8-10. 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
4.0	7.0	6.3.0-0001	2.24.0.32	2.24.0.64	2.24.0.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	00.00.03.21-6	Native

## SAS 6/iR Integrated and Adapter

The SAS 6/iR Integrated supports the following Dell PowerVault systems: PowerVault DL2000.

The SAS 6/iR Integrated also supports the following Dell PowerEdge systems: 1950, 2900, 2950, 2970, R805, R900, M600, M605, M805, M905, T610, R410, R610, R710, M610, and M710 1900, 1955, 2900, 2950, 2970, and 6950, R610, R710, T610, R410, T410, M610, M710, T710, T310, R310, R210, T110, R510, R810, R910, M910, R715, R815, R415, and R515.

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



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

**Table 8-11. 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
4.0	7.0	00.25.47.00 / 06.22.03.00	1.28.03.01 (32-bit) 1.28.03.01 (64-bit)	Native

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.78.02-3	Native

### SAS 6/int Modular

The SAS 6/int Modular supports the following Dell PowerVault systems: PowerVault DL2000.

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

**Table 8-12. Storage Management Service Supported Elements: SAS 6/int Modular**

Storage Management Service version	Server Administrator Version	SAS Firmware/BIOS Version
4.0	7.0	00.25.47.00 / 06.22.03.00

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.00.38.02-3	Native	4.00.78.02-3	4.00.78.02-3

## SAS 6 Gbps HBA

The SAS 6 Gbps HBA supports the following Dell PowerVault systems: PowerVault DL2000.

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

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

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

**Table 8-13. Storage Management Service Supported Elements: SAS 6 Gbps HBA**

Storage Management Service version	Server Administrator Version	SAS Firmware/ BIOS Version	Windows Server 2008	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	07.03.04.00	2.0.12.10 (32-bit) 2.0.12.10 (64-bit)	2.0.12.10	2.0.12.10	2.0.12.10

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
02.00.00.00	Native	02.00.00.00	Native

## LSI Logic 1020/1030 Ultra320 SCSI Adapter

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

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

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

**Table 8-14. Storage Management Service Supported Elements: LSI Logic 1020/1030 Ultra320 SCSI Adapter**

Storage Management Service version	Server Administrator Version	PERC Firmware/ BIOS Version
4.0	7.0	1.03.27.00.5.10.08.00.12

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	NA	Native

### CERC SATA 1.5/2S

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

The following table lists the other elements supported by the CERC SATA 1.5/2S.

**Table 8-15. Storage Management Service Supported Elements: CERC SATA 1.5/2S**

Storage Management Service*	Dell OpenManage Version	Red Hat Enterprise Linux 5.7 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.0	7.0	Native	Native

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

## LSI 1020/1030 Embedded SCSI Controller

The embedded SCSI controller is an onboard chip. It supports the following systems: 1600SC, 1750, and 2600.

The following tables list the other elements supported by the LSI 1020/1030.

**Table 8-16. Storage Management Service Supported Elements: LSI 1020/1030**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Red Hat Enterprise Linux 5.7 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
4.0	7.0	1.03.23	Native	Native

## LSI Logic 2032 Card

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

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

The following tables list the other elements supported by the LSI Logic 2032 Card.

**Table 8-17. Storage Management Service Supported Elements: LSI Logic 2032 Card**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008 R2 Driver
4.0	7.0	1.03.27.00.5.10.08.00.12	Native

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
Native	Native	Native

## PERC H700 Adapter, Integrated and Modular

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

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

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

The PERC H700 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 8-18. 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
4.0	7.0	12.10.1-0001	4.31.1.32	4.31.1.64	4.31.1.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
00.00.04.27	Native	00.00.04.29	Native

## PERC H800 Adapter

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

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

The PERC H800 Adapter supports eight storage devices.

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

**Table 8-19. 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
4.0	7.0	12.10.1-0001	4.31.1.32	4.31.1.64	4.31.1.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
00.00.04.27	Native	00.00.04.27	Native

### PERC H200 Adapter, Integrated and Modular

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

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

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

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

**Table 8-20. 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
4.0	7.0	07.03.04.00	2.0.12.10	2.0.12.10	2.0.12.10

<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
02.00.00.00	Native	02.00.00.00	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, M620, and T620.

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

**Table 8-21. Dell OpenManage Supported Elements: PERC H310 Adapter, Mini Blade, and Mini Monolithic**

<b>Storage Management Service version</b>	<b>Server Administrator Version</b>	<b>PERC Firmware Version</b>	<b>Windows Server 2008</b>	<b>Windows Server 2008 32-bit Driver</b>	<b>Windows Server 2008 64-bit Driver</b>	<b>Windows Server 2008 R2 Driver</b>
4.0	7.0	20.10.1-0072	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	5.1.90.32	5.1.90.64	5.1.90.64

<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
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, M620, and T620.

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

**Table 8-22. Dell OpenManage Supported Elements: PERC H710 Adapter, Integrated and Modular**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	21.0.1-0131	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	5.1.90.32	5.1.90.64	5.1.90.64

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
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, M620, and T620.

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

**Table 8-23. 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	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	21.0.1-0131	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	5.1.90.32	5.1.90.64	5.1.90.64



<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
Native	Native	Native	Native

## PERC H810 Adapter

The PERC H810 Adapter supports the following Dell PowerEdge Systems: R620, R720, R720xd, M620, and T620.

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

**Table 8-24. Dell OpenManage Supported Elements: PERC H810 Adapter**

<b>Storage Management Service version</b>	<b>Server Administrator Version</b>	<b>PERC Firmware Version</b>	<b>Windows Server 2008</b>	<b>Windows Server 2008 32-bit Driver</b>	<b>Windows Server 2008 64-bit Driver</b>	<b>Windows Server 2008 R2 Driver</b>
4.0	7.0	21.0.1-0131	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	5.1.90.32	5.1.90.64	5.1.90.64

<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
Native	Native	Native	Native

## PERC S100

The PERC S100 controller supports the following Dell PowerEdge Systems: R620, R720, R720xd, M620, and T620.

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

**Table 8-25. Dell OpenManage Supported Elements: PERC S100**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	2.0.0-0162	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	2.0.0-0162	2.0.0-0162	2.0.0-0162

Red Hat Enterprise Linux 5.7 Driver	Red Hat Enterprise Linux 6.1 Driver	SUSE Linux Enterprise Server 10 SP4 Driver	SUSE Linux Enterprise Server 11 SP2 Driver
2.0.0-0162	Not Supported	Not Supported	Not Supported

## PERC S110

The PERC S110 controller supports the following Dell PowerEdge Systems: R620, R720, R720xd, M620, and T620.

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

**Table 8-26. Dell OpenManage Supported Elements: PERC S110**

Storage Management Service version	Server Administrator Version	PERC Firmware Version	Windows Server 2008	Windows Server 2008 32-bit Driver	Windows Server 2008 64-bit Driver	Windows Server 2008 R2 Driver
4.0	7.0	3.0.0.0135	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	3.0.0.0134	3.0.0.0134	3.0.0.0134

<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
3.0.0.0134	Not Supported	Not Supported	Not Supported

## PERC S300

The PERC S300 controller supports the following Dell PowerEdge Systems: R620, R720, R720xd, M620, and T620.

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

**Table 8-27. Dell OpenManage Supported Elements: PERC S300**

<b>Storage Management Service version</b>	<b>Server Administrator Version</b>	<b>PERC Firmware Version</b>	<b>Windows Server 2008</b>	<b>Windows Server 2008 32-bit Driver</b>	<b>Windows Server 2008 64-bit Driver</b>	<b>Windows Server 2008 R2 Driver</b>
4.0	7.0	2.0.0-0162	2.0.35.0 (32-bit) 2.0.35.0 (64-bit)	2.0.0-0162	2.0.0-0162	2.0.0-0162

<b>Red Hat Enterprise Linux 5.7 Driver</b>	<b>Red Hat Enterprise Linux 6.1 Driver</b>	<b>SUSE Linux Enterprise Server 10 SP4 Driver</b>	<b>SUSE Linux Enterprise Server 11 SP2 Driver</b>
07.00.01.00-1	07.00.01.00-1	07.00.01.00-1	07.00.01.00-1

## 9. 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 11<sup>th</sup> and 12<sup>th</sup> generation Dell 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.


On the 11th generation servers, Lifecycle Controller is known as Unified Server Configurator (USC), Unified Server Configurator-Lifecycle Controller Enabled, and Lifecycle Controller-Remote Services. On the 12<sup>th</sup> generation 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** — 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** — 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 [support.dell.com/manuals](https://support.dell.com/manuals).

## Supported Dell Systems and Windows Operating Systems for Lifecycle Controller

The following table lists the supported Dell systems and Microsoft Windows operating systems for Lifecycle Controller.

- An X in the intersection of the operating system and the Dell system columns indicates support for Lifecycle Controller.
  - An XX in the intersection of the OS and Dell System indicates support for Lifecycle Controller 2 (LC2) and needs iDRAC7 in the system.
  - An asterisk (\*) indicates a 12<sup>th</sup> Generation Server.
-  **NOTE:** Lifecycle Controller is supported on the following servers only if iDRAC7 Express card is installed on the servers: M620, R620, R720, R720xd, and T620

**Table 9-1. Supported Dell Systems and Windows Operating Systems for Lifecycle Controller**

Dell System	Microsoft Windows Server 2008 R2 x64	Microsoft Windows Server 2008 R2 x86_64 SP1	Microsoft Windows Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2003	Microsoft Windows Server 2008 and R2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise, Datacenter	Foundation, Standard, Enterprise, and Datacenter	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	Compute Cluster Edition	HPC Edition	Basic	Standard	Enterprise	Workgroup
R210	X	X	X		X	X	X				
R210 II	X	X	X	X	X		X				
R310	X	X	X	X	X	X	X				

Dell System	Microsoft Windows Server 2008 R2 x64	Microsoft Windows Server 2008 R2 x86_64 SP1	Microsoft Windows Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2003	Microsoft Windows Server 2008 and R2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise, Datacenter	Foundation, Standard, Enterprise, and Datacenter	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	Compute Cluster Edition	HPC Edition	Basic	Standard	Enterprise	Workgroup
R410	X	X	X		X	X	X				
R415	X	X	X		X	X	X				
R510	X	X	X		X	X	X				
R515	X	X	X		X	X	X				
R610	X	X	X		X	X	X				
R620*		XX	XX								
R710	X	X	X		X	X	X				
R715	X	X	X		X	X	X				
R720*		XX									
R720xd*		XX			X						
R810	X	X	X			X	X				
R815	X	X	X			X	X				
M620*		XX									
M610	X	X	X			X	X				
M610x	X	X	X			X	X				

Dell System	Microsoft Windows Server 2008 R2 x64	Microsoft Windows Server 2008 R2 x86_64 SP1	Microsoft Windows Server 2008 x86 and x64 SP2	Microsoft Windows Small Business Server 2011	Microsoft Windows Small Business Server 2011	Microsoft Windows Server 2003	Microsoft Windows Server 2008 and R2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2	Microsoft Windows Storage Server 2008 SP2
	Foundation, Standard, and Enterprise, Datacenter	Foundation, Standard, Enterprise, and Datacenter	Foundation, Standard, Enterprise, and Datacenter	Essentials	Standard, Premium Add-on	Compute Cluster Edition	HPC Edition	Basic	Standard	Enterprise	Workgroup
M710	X	X	X			X	X				
M710HD	X	X	X			X	X				
M910	X	X	X			X	X				
T110	X	X	X		X	X	X				
T110 II	X	X	X	X	X		X				
T310	X	X	X	X	X	X	X				
T410	X	X	X		X	X	X				
T610	X	X	X		X	X	X				
T620*		XX									
T710	X	X	X		X	X	X				
PowerVault DL2100		X	X								
PowerVault DL2200	X	X	X								
PowerVault NX200		X						X			





## Supported Dell Systems and Linux Operating Systems for Lifecycle Controller

The following table lists the supported Dell systems and Linux operating systems for Lifecycle Controller.

**Table 9-2. Supported Dell Systems and Linux Operating Systems for Lifecycle Controller**

Dell System	SUSE Linux Enterprise Server 10 SP4 (64-bit)	SUSE Linux Enterprise Server 11 SP2 (64-bit)	Red Hat Enterprise Linux 5.7 (64-bit)	Red Hat Enterprise Linux 5.7 x86 (32-bit)	Red Hat Enterprise Linux 6.1 (64-bit)
R210	X	X	X	X	X
R210 II	X	X	X	X	X
R310	X	X	X	X	X
R410	X	X	X	X	X
R415	X	X	X	X	X
R510	X	X	X	X	X
R515	X	X	X	X	X
R610	X	X	X	X	X
R620*	XX	XX	XX	XX	XX
R710	X	X	X	X	X
R715	X	X	X	X	X
R720*	XX	XX	XX	XX	XX
R720xd*	XX	XX	XX	XX	XX
R810	X	X	X	X	X
R815	X	X	X	X	X
M610	X	X	X	X	X
M610x	X	X	X	X	X
M620*	XX	XX	XX	XX	XX
M710	X	X	X	X	X
M710HD	X	X	X	X	X

<b>Dell System</b>	<b>SUSE Linux Enterprise Server 10 SP4 (64-bit)</b>	<b>SUSE Linux Enterprise Server 11 SP2 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 (64-bit)</b>	<b>Red Hat Enterprise Linux 5.7 x86 (32-bit)</b>	<b>Red Hat Enterprise Linux 6.1 (64-bit)</b>
M910	X	X	X	X	X
T110	X	X	X	X	X
T110 II	X	X	X	X	X
T310	X	X	X	X	X
T410	X	X	X	X	X
T610	X	X	X	X	X
T620*	XX	XX	XX	XX	XX
T710	X	X	X	X	X
PowerVault DX6000	X	X	X	X	X



