# Dell PowerEdge<sup>™</sup> Software Support Matrix

- Supported Microsoft Windows Operating Systems
- Supported Linux Operating Systems
- Supported Remote Access Controllers and Solutions
- Supported Microsoft Windows Operating Systems
- Supported Linux Operating Systems

The Dell PowerEdge Software Support Matrix allows you to identify operating systems and Dell OpenManage<sup>™</sup> software that your PowerEdge system supports.

This support matrix offers support information for the following operating systems.

#### Microsoft<sup>®</sup> Windows<sup>®</sup> Operating Systems:

- Microsoft Windows Server 
  2003 (Web, Standard, Enterprise, x86 and x64 editions)
- Microsoft Windows Small Business Server 2003 (Standard and Premium editions)
- Microsoft Windows 2000 (Server and Advanced Server)
- Microsoft Windows Storage Server x64 (Express, Workgroup, Standard, and Enterprise editions)
- Microsoft Windows 2000 Professional
- Microsoft Windows XP Professional

#### Linux Operating Systems:

- SUSE® Linux Enterprise Server 9 (SLES 9), x86-64
- SUSE Linux Enterprise Server 10 (SLES 10), x86-64
- Red Hat® Enterprise Linux 3 (RHEL 3) AS, ES, and WS editions; x86 and x86-64 versions
- Red Hat Enterprise Linux 4 (RHEL 4) AS, ES, and WS editions; x86 and x86-64 versions

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

**NOTE:** In addition to operating system support information, this document also offers information on supported Dell Remote Access Controllers (DRAC) and Dell OpenManage Baseboard Management Controller (BMC).

# Supported Microsoft Windows Operating Systems

- Supported Dell OpenManage Installation and Systems Management Software
- Supported Dell OpenManage Change Management Software
- Supported Dell OpenManage Systems Management Consoles
- Supported Remote Access Controllers and Solutions
- Supported Windows Operating Systems for BMU

- Supported Remote Access Controllers and Solutions
- Supported Microsoft Windows Operating Systems
- Supported Linux Operating Systems
- Supported Remote Access Controllers and Solutions

# Supported Linux Operating Systems

- Supported Dell OpenManage Installation and Systems Management Software
- Supported Dell OpenManage Change Management Software
- Supported Dell OpenManage Systems Management Consoles
- Supported Linux Operating Systems for BMC Management Utility (BMU)

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

Supported Remote Access Controllers and Solutions

# Supported Microsoft Windows Operating Systems

### Supported Dell OpenManage Installation and Systems Management Software

This section illustrates supported Dell OpenManage systems management software on systems running a supported Windows operating system.

An **X** in the operating system column indicates that the following Dell OpenManage software components are supported with the corresponding PowerEdge system.

- Dell OpenManage Server Assistant
- Dell OpenManage Server Administrator
  - Instrumentation Service
  - Remote Access Service
  - Storage Management Service
  - Diagnostic Service
- Dell PowerEdge Diagnostics

A star (\*) indicates operating system support for PowerEdge systems that do not support Dell OpenManage software.

An **A** in the operating system column indicates systems that do not support Server Administrator but support the operating system and Server Assistant.

# Table 1. Supported Dell OpenManage Systems Management Software on Systems Running Windows Server 2003 and Server 2000

System		Serve x86	ows er 20	03	Windov Server x64	-	Windows Server 2003 IA64	Windows Business 2003				Stora 003 x		Winc 2000	lows )
Edition	EQUÍD	Web	Standard	Enterprise	Standard	Enterprise	Enterprise	Standard	Premium	Express	Workgroup	Standard	Enterprise	Server	Advanced Server

	Service Pack	SP1	R2	R2	R2	R2		R2	R2	R2	R2	R2	R2	SP4	SP4
6950			x	x	x	x								<u> </u>	
2950	_	x	x	x	x	X	1				x	x	x	X	x
2900			x	x	x	X		x	X			X	X	X	X
1955	+		x	x	x	X								x	x
1950	+	x	X	X	X	X			<u> </u>	<u> </u>	<u> </u>		<u> </u>	X	X
1900	+		X	X	X	X		X	X	<u> </u>	<u> </u>	X	X	X	X
6850			X	X	x	X				<u> </u>			<u> </u>	X	X
6800			x	x	x	x								x	x
2850		x	x	x	x	X				<u> </u>			<u> </u>	X	x
2800	-		X	X	X	X	1	X	X					X	X
1855	-		X	X	X	X	1	1		-			-	X	X
1850	-	x	x	x	X	x	1							x	x
1800	1	<u> </u>	x	x	x	x	1	X	X					x	x
860	1	x	х		x		1						<u> </u>		
850	1	x	Х		x		1		1					x	
840	1	<u> </u>	Х		x		1				Х	x			
830			х		x			Х	X	x	х			x	
800			x					Х	X	1				X	
1750		X	x	x				1		1				X	X
750		X	x				1	1						X	
700	1		Х			1	1	x	х	1			1	X	
6650	1		Х	Х		1	1			1			1	X	X
6600		1	Х	Х			1	<u> </u>						X	Х
4600			x	x	<u> </u>		1		Х					X	x
2650		X	x	x	<u> </u>		1							X	x
2600			x	x			1	Х	Х					X	x
1655MC		X	X	X			İ	1	1					X	Х
1650		X	Х	Х		1		1	1					X	Х
1600SC			x					x	Х					Х	<u> </u>
650		X	x											X	
600SC			x					х	х					x	1
64-bit sys	tems	•	-	-	-	*	-	-	-	-	-	*	-	•	-
7250							*								
7150							*								
3250							*								
PowerEdg	e SC s	system	าร												
SC1435		A	A		A										

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SC1430		A	A		А	А				
SC1425	А	A	A						*	
SC1420		A	A		A	А				
SC440		A	A		A	А				
SC430		A	A		A	А				
SC420		A			A	А				

### Supported Dell OpenManage Change Management Software

- Dell Update Packages support is indicated by **D**.
- Server Update Utility support is indicated by S.
- **NOTE:** Server Update Utility is meant for server updates and may not work on newly released PowerEdge platforms that do not receive any server updates.

Table 2. Supported Dell OpenManage Change Management Software

PowerEdge System			P1 R2 R2 F		Windov Server x64		Windows Server 2003 I A64	Windows Business 2003			dows er 20			Wind 2000	dows )
	Edition	Web	Standard	Enterprise	Standard	Enterprise	Enterprise	Standard	Premium	Express	Workgroup	Standard	Enterprise	Server	Advanced Server
	Service Pack	SP1	R2	R2	R2	R2	SP1	SP1	SP1	R2	R2	R2	R2	SP4	SP4
6950			D	D	D	D									
2950		D, S	D, S	D, S	D, S	D, S					D, S	D, S	D, S	D, S	D, S
2900			D, S	D, S	D, S	D, S		D, S	D, S			D, S	D, S	D, S	D, S
1955		1	D, S	D, S	D, S	D, S								D, S	D, S
1950		D, S	D, S	D, S	D, S	D, S								D, S	D, S
1900			D, S	D, S	D, S	D, S		D, S	D, S			S	S	D, S	D, S
6850			D, S	D, S	D, S	D, S								D, S	D, S
6800			D, S	D, S	D, S	D, S								D, S	D, S
2850		D, S	D, S	D, S	D, S	D, S								D, S	D, S
2800			D, S	D, S	D, S	D, S		D, S	D, S					D, S	D, S

1855		D, S	D, S	D, S	D, S							D, S	D, S
1850	D, S	D, S	D, S	D, S	D, S							D, S	D, S
1800		D, S	D, S	D, S	D, S		D, S	D, S				D, S	D, S
860	D, S	D, S		D, S								D, S	
850	D, S	D, S		D, S								D, S	
840		D, S		D, S			D, S	D, S	D, S	D, S		D, S	
830		D, S		D, S			D, S	D, S	D, S	D, S		D, S	
800		D, S			1		D, S	D, S		1		D, S	1
1750	D, S	D, S	D, S									D, S	D, S
750	D, S	D, S										D, S	
700		D, S					D, S	D, S				D, S	
6650		D, S	D, S									D, S	D, S
6600		D, S	D, S									D, S	D, S
4600		D, S	D, S					D, S				D, S	D, S
2650	D, S	D, S	D, S									D, S	D, S
2600		D, S	D, S				D, S	D, S				D, S	D, S
1655MC	D, S	D, S	D, S									D, S	D, S
1650	D, S	D, S	D, S									D, S	D, S
1600SC		D, S					D, S	D, S				D, S	
650	D, S	D, S										D, S	
600SC		D, S					D, S	D, S				D, S	1
64-bit syste	ms	1						1				I	
7250													
7150													1
3250													
PowerEdge	SC systen	ns									, 1		
SC1435	D	D		D									
SC1430		Ì				1				1			1
SC1425		D, S	<u> </u>	D, S	1	1						D,	1

							S	
SC1420								
SC440								
SC430								
SC420								

# Supported Dell OpenManage Systems Management Consoles

#### Table 3. Dell OpenManage IT Assistant

	Winc Serv x86			Winde Serve 2003	r	Windows Server 2003 IA64	Windov Small Busines Server	s	Sto	idow rage 3 x6	Serv	ver	Winc 2000	lows )	Windows 2000 Professional	Windows XP Professional
Edition	Web	Standard	Enterprise	Ştandard	Enterprise	Enterprise	Standard	Premium	Express	Workgroup	Standard	Enterprise	Server	Advanced Server		
Service Pack	SP1	R2	R2	R2	R2	SP1	SP1	SP1	R2	R2	R2	R2	SP4	SP4	SP4	SP2
	Х	Х	х										Х	х	Х	Х

• An X indicates operating system support for the IT Assistant.

#### Table 4. Supported Windows Operating Systems For Remote RACADM

	Wind Serv x86			Wind Serv 2003 x64		Windows Server 2003 I A64	Sma	ness er	Sto		-	ver	Windov 2000	vs	Windows 2000 Professional	Windows XP Professional
Edition	Web	Standard	Enterprise	Standard	Enterprise	Enterprise	Standard	Premium	Express	Workgroup	Standard	Enterprise	Server	Advanced Server		
Service Pack	SP1	R2	R2	R2	R2	SP1	R2	R2	R2	R2	R2	R2	SP4 Rollup	SP4 Rollup	SP4	SP2
Remote RACADM	х	х	x	х	х								x	Х	x	x

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 Table 5. Supported Windows Operating Systems for BMU

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Dell PowerEdge<sup>™</sup> Software Support Matrix

	Winc Serv 32-b	er 20		Wind Serve 2003	er	Windows Server 2003 IA64	Windo Small Busine Server 2003	ess	Sto	idow rage 3 x6	Serv	/er	Windov 2000	NS	Windows 2000 Professional	Windows 2000 Professional
Edition	Web	Standard	Enterprise	Standard	Enterprise	Enterprise	Standard	Pramium	Express	Workgroup	Standard	Enterprise	Server	Advanced Server		
Service Pack	SP1	R2	R2	R2	R2	SP1	SP1	SP1	R2	R2	R2	R2	SP4 Rollup	SP4 Rollup	SP4	SP1/ SP2
	Х	х	х	Х	Х		х	х					х	х	х	х

# Supported Linux Operating Systems

### Supported Dell OpenManage Installation and Systems Management Software

This section illustrates supported Dell OpenManage systems management software on systems running a supported Linux operating system.

An **X** in the operating system column indicates that the following Dell OpenManage software components are supported with the corresponding PowerEdge system.

- Dell OpenManage Server Assistant
- Dell OpenManage Server Administrator
  - Instrumentation Service
  - Remote Access Service
  - Storage Management Service
  - Diagnostic Service
- Dell PowerEdge Diagnostics
- **NOTE:** PowerEdge SC systems support PowerEdge Diagnostics, but do not support the Server Administrator Diagnostic Service.

A star (\*) indicates operating system support for PowerEdge systems that do not support Dell OpenManage software.

An A indicates systems that do not support the Server Administrator but support the operating system and the Server Assistant.

#### Table 6. Supported Dell OpenManage Installation and Systems Management Software

PowerEdge System	SLES 2 64	x86-	RHE	EL 3 :	x86	RHE 64	L 3 x8	36-	RHEL I A64	3	RHE	EL 4	x86	RHE 64	L 4 x	86-	RHEL I A64	4

	Edition	016	10.0	MS	ES	AS	SW	ES	AŞ	sw	AS	ws	ES	AS	ws	ES	AS	ŚM	AS
					<u> </u>			<u> </u>				<u> </u>	Ē	Ľ		<u> </u>			
	Service Pack	EdS	Gold	91	90	90	8	90	9	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
6950	1	<u> </u>	x	1	┢	-			<u> </u>		-			x			x		
2950		x	x	1	x	<u> </u>						-	х			x			
2900		x	x	1	x	<u> </u>						$\vdash$	х			x			
1955		Х	X	X	x			1				x	x		x	X		1	1
1950		Х	x	X	x							x	x		x	X		1	1
1900		Х	X		x				1			$\square$	х			x			1
6850		Х	X		1	x			1			$\square$		х	<u> </u>		x		1
6800		х	X			x			1		1	$\square$		х			x	1	1
2850			1		x	x		х	X		1	$\square$	х	х		x	x	1	1
2800					x	x		X	x				Х	Х		X	x	1	1
1855				X	x	x	x	X	x			х	Х	Х	X	X	x	1	1
1850				X	x	x	x	X	x			х	Х	Х	X	X	x	1	1
1800				X	X	x	X	X	x			Х	Х	Х	Х	x	x	<u> </u>	
860		x	X	1	x			<u> </u>	1	<u> </u>		$\square$	х	x		x	x		<u> </u>
850		<u> </u>		1	x	x							x	x		X	X		
840		x	X	1	x	x		1	1	<u> </u>		$\square$	х	x		X	X		<u> </u>
830				1	X	x		<u> </u>					X	X		X	X		
800		<u> </u>		X	x	x		X	X				x	x		X	X		
1750				X	X	X		1					X	X					
750				X	X	X		1					X	X					
700					X	X		1					X	X					
6650						X								X					
6600			1	Í		X								X		ĺ	1		
4600			1		X	X		Ì					X	X		1	1		
2650				X	X	x			1				x	x					1
2600				İ	X	x			1				x	x					1
1655MC				X	X	x			1				x	x					Ì
1650			1	X	X	x			1				x	x					Ì
1600SC			1		X	x			1			1							ĺ
650		[]	1	X	x	1			ĺ							ĺ			
600SC		[]		İ	x	1			ĺ	<u> </u>						ĺ	Ì		
64-bit sys	tems								4		3						,		
7250											*								*

7150	1																
3250																*	*
PowerEdge	SC s	ystems	5							<u></u>				• •			
SC1435			А								А	A	А	А			
SC1430			A									A		A			
SC1425				A	A		A	A			А	А	А	А	A		
SC1420					A			A				А					
SC440			A									А		А			
SC430												A		A	A		
SC420					A							А					

### Supported Dell OpenManage Change Management Software

- Dell Update Packages support is indicated by **D**.
- Server Update Utility support is indicated by S.

**NOTE:** The Server Update Utility is meant for server updates and may not work on newly released PowerEdge platforms that do not receive any server updates

Table 7. Supported Dell OpenManage Change Management Software

PowerEdge System		SLES 64	x86-	RHE	EL 3 >	x86	RHE 64	:L 3 >	86-	RHEL I A64	3	RHE	:L 4 >	(86	RHE 64	EL 4 >	(86-	RHEL I A64	4
	Edition	0'6	10.0	SM	S	AS	SM	ŝ	AS	sw	AS	SM	ŝ	AS	SW	S	AS	MS	AS
	Service Pack	SP3	Gold	91	9	8	9	9	91	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
6950			D											D			D		
2950		D, S	D, S		D, S								D, S			D, S			
2900		D, S	D, S		D, S								D, S			D, S			
1955		D, S	D, S	D, S	D, S							D, S	D, S		D, S	D, S			
1950		D, S	D, S	D, S	D, S			ĺ				D, S	D, S		D, S	D, S			
1900		D, S	D, S		D, S								D, S			D, S			
6850		D, S	D, S			D, S								D, S			D, S		
6800		D, S	D, S			D, S								D, S			D, S		

2850					D, S	D, S		D, S	D, S				D, S	D, S		D, S	D, S	
2800					D, S	D, S		D, S	D, S				D, S	D, S		D, S	D, S	
1855				D, S	D, S	D, S	D, S	D, S	D, S			D, S	D, S	D, S	D, S	D, S	D, S	
1850				D, S	D, S	D, S	D, S	D, S	D, S			D, S	D, S	D, S	D, S	D, S	D, S	
1800				D, S	D, S	D, S	D, S	D, S	D, S			D, S	D, S	D, S	D, S	D, S	D, S	
860		D, S	D, S		D, S								D, S	D, S		D, S	D, S	
850	$\square$				D, S	D, S							D, S	D, S		D, S	D, S	
840	$\square$	D, S	D, S		D, S	D, S							D, S	D, S		D, S	D, S	
830	$\square$				D, S	D, S							D, S	D, S		D, S	D, S	
800			ĺ	D, S	D, S	D, S		D, S	D, S				D, S	D, S		D, S	D, S	
1750	T			D, S	D, S	D, S							D, S	D, S				
750	$\square$			D, S	D, S	D, S							D, S	D, S				
700	$\square$				D, S	D, S							D, S	D, S				
6650	$\square$					D, S								D, S				
6600						D, S								D, S				
4600	$\square$				D, S	D, S							D, S	D, S				
2650	$\square$			D, S	D, S	D, S							D, S	D, S				
2600	$\square$		ĺ		D, S	D, S							D, S	D, S				
1655MC				D, S	D, S	D, S							D, S	D, S				
1650	$\square$			D, S	D, S	D, S							D, S	D, S				
1600SC					D, S	D, S												
650				D, S	D, S							1						
600SC					D, S													
64-bit systems	1		1	1	1	1	1	1	1		1		1	1	1	1	1	<u>.                                    </u>
7250																		
7150			1		1	1			1	<u> </u>	İ			1		1	ĺ	
3250			1		1	1			1	<u> </u>	İ			1		1	ĺ	
PowerEdge SC s	ysten	ns				*					•	4		4	*			 •

SC1435		D						D	D	D	D		
SC1430													
SC1425			D, S	D, S	D, S	D, S		D, S	D, S	D, S	D, S	D, S	
SC1420													
SC440													
SC430													
SC420													

### Supported Dell OpenManage Systems Management Consoles

 Table 8. Supported Linux Operating Systems For Remote RACADM

	SLES x	86-64	RHE	EL 3 :	x86	RHEL	. 3 x8	6-64	RHEL :	3 IA64	RHE	EL 4	x86	RHEL	_ 4 x8	6-64	RHEL 4	1 IA64
Edition	0.6	10.0	SM	ES	AS	SM	ES	AS	sw	AS	SM	S	AS	SW	ES	AS	SW	AS
Service Pack	SP3	Gold	90	90	90	106	U6	UG	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
Remote RACADM	Х	Х	x	x	x	х	х	х			x	x	x	x	x	x		

• An **X** in the operating system column indicates Remote RACADM support.

Table 9. Supported Linux Operating Systems for BMC Management Utility (BMU)

	SLES x	86-64	RHE	EL 3 :	x86	RHEL	_ 3 x8	6-64	RHEL :	3 I A 6 4	RHE	EL 4 :	x86	RHEL	_ 4 x8	6-64	RHEL 4	4 IA64
Edition	0.6	10.0	SM	ES	AS	SM	ES	AS	sw	AS	SW	S	AS	SM	ES	AS	sw	AS
Service Pack	Sb3	Gold	116	90	90	106	UG	U6	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
	Х	Х	x	x	x	х	х	х			x	x	x	х	x	х		

• An X in the operating system column indicates BMC Console support.

# **Supported Remote Access Controllers and Solutions**

Supported Remote Access Controller versions and firmware, as well as supported BMC IPMI protocol versions, are listed in Table 10. Table 10 lists the following RAC types:

- Dell Remote Access Controller 5 (DRAC 5)
- Dell Remote Access Controller/Modular Computer (DRAC/MC)
- Dell Remote Access Controller 4 (DRAC 4)
- Dell Remote Access Controller III/XT (DRAC III/XT)
- Dell Embedded Remote Access/Modular Computer (ERA/MC) controller
- Dell Embedded Remote Access/Option (ERA/O) controller
- Dell Embedded Remote Access (ERA) controller
- Dell Remote Access Card III (DRAC III)

#### Table 10. Supported Remote Access Controllers and Solutions

PowerEdge System	Remote A	ccess Controllers (RACs)	Baseboard M	Baseboard Management Controller (BMC)							
	RAC Type	Supported RAC Firmware Version	Integrated BMC	BMC Firmware Version	Supported IPMI Protocol Versions						
6950 <sup>*</sup>	DRAC 5	1.0	X	1.0 or later	2.0						
2950*	DRAC 5	1.0	Х	1.0 or later	2.0						
2900*	DRAC 5	1.0	Х	1.0 or later	2.0						
1955	DRAC/MC	1.3	X	1.0 or later	2.0						
1950*	DRAC 5	1.0	Х	1.0 or later	2.0						
1900*	DRAC 5	1.0	Х	1.0 or later	2.0						
6850	DRAC 4	1.35	X	1.40 or later	1.5						
6800	DRAC 4	1.35	X	1.40 or later	1.5						
2850	DRAC 4	1.35	X	1.23 or later	1.5						
2800	DRAC 4	1.35	X	1.23 or later	1.5						
1855	DRAC/MC	1.3	X	1.0 or later	1.5						
1850	DRAC 4	1.35	X	1.23 or later	1.5						
1800	DRAC 4	1.35	X	1.23 or later	1.5						
860	DRAC 4	1.35	X	1.0 or later	1.5						
850	DRAC 4	1.35	X	1.41 or later	1.5						
840	DRAC 4	1.35	X	1.0 or later	1.5						
830	DRAC 4	1.35	X	1.41 or later	1.5						
800	DRAC 4	1.35	X	1.30 or later	1.5						
1750	ERA/O	3.35									
750	DRAC III/XT	3.35									
700	DRAC	3.35									

	III/XT				
6650	DRAC III	3.35			
6600	DRAC III	3.35			
4600	DRAC III	3.35			
2650	ERA	3.35			
2600	ERA/O	3.35			
1655MC	ERA/MC	1.44			
1650	ERA/O	3.35			
1600SC	ERA	3.35			
650					
600SC					
64-bit system	ns				
7250					
7150	DRAC III	3.35			
3250					
PowerEdge S	C systems				
SC1435			X	1.0 or later	2.0
SC1430					
SC1425			X	1.30 or later	1.5
SC1420					
SC440					
SC430					
SC420					
* DRAC 5 supp GUI on the ma	port on SLES10 i anagement statio	s limited to the managon.	ed system and to	the CLI only. DRAC 5 d	oes not support the out-of-ban

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October 2006