Systems Compatibility Guide
For ESX Server 3.x

Last Updated: January 31, 2007

What's New

Changes since the last edition of this guide include:

- Modified support information for the Fujitsu Siemens RX200 S3, RX800, RX800 S2, TX200 S3, and TX300 S3. See "Fujitsu Siemens Server Support" on page 6.

- Modified support information for the Hewlett Packard DL360 G5, DL380 G5, ML370 G5, BL20p G4, BL35p, BL460c, and BL480c. See "Hewlett Packard Server Support" on page 8.

- Added support for the Ciara *VM*PRO R1200 and *VM*PRO T5200. See "Intel Server Support" on page 12.

- Added support for the Viglen IX2200R, IX2400R, IX6004R, and IX6006R. See "Intel Server Support" on page 12.

- Added support for NEC Express5800 120Bb-d6 and Express5800 120Bb-m6. See "NEC Server Support" on page 18.

Introduction

VMware ESX Server is tested for compatibility with a variety of major guest operating systems running in virtual machines. Additionally, VMware ESX Server is tested for compatibility with currently shipping platforms from the major server manufacturers in pre-release testing. Our goal is to support a variety of storage and network adapters used as standard options for these platforms as they come to market.

This compatibility guide includes information about ESX Server 3.0 compatibility in the following sections:

- "Supported Guest Operating Systems" on page 1

- "Servers" on page 4

- "Currently Qualified Hardware Lifecycle Management Applications" on page 20

Supported Guest Operating Systems

For more information on guest operating system support and installation, please refer to the *Guest Operating System Installation Guide* at **http://www.vmware.com/pdf/GuestOS_guide.pdf.**

This section contains the following topics:

- "Authorized Desktop Operating Systems for Virtual Desktop Infrastructure Licensed VMware Infrastructure" on page 2

- "32-bit Guest Operating Systems" on page 2

- "64-Bit Guest Operating Systems" on page 3

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Authorized Desktop Operating Systems for Virtual Desktop Infrastructure Licensed VMware Infrastructure

The following desktop operating systems running in a virtual machine are authorized to be used with the Virtual Desktop Infrastructure license of VMware Infrastructure:

Table 1. Authorized 32 Bit Guest Operating Systems

		ESX Server 3.0		ESX Server 3.0.1	
Operating System	Version	UP	MP	UP	MP
Microsoft Windows	Windows XP Professional (Service Pack 1 and 2)	X		X	
	Windows 2000 Professional (Service Pack 4)	X		X	
Any other operating system running in a virtual machine on a Virtual Desktop Infrastructure licensed copy of ESX Server if the purpose and use of this virtual machine is to host a virtual machine management application that is solely dedicated to managing a VMware Virtual Desktop Infrastructure environment					
For example, a customer may run an instance of VMware VirtualCenter Management Server on a Microsoft Windows Server operating system in a virtual machine if the virtual machine is dedicated solely to managing the licensed Virtual Desktop Infrastructure deployment.					

32-bit Guest Operating Systems

VMware ESX Server supports the following guest operating systems running in virtual machines, with either uniproccessor or multi-processor support:

Table 2. Supported 32-bit Guest Operating Systems

			ESX Server 3.0		ESX Server 3.0.1	
Operating System and Version			UP	MP	UP	MP
Microsoft Windows	Windows Server 2003 Standard, Enterprise, Web, or Small Business Server	sp1	X	X	X	X
		R2	X	X	X	X
	Windows XP Professional	Service Pack 1	X		X	
		Service Pack 2	X		X	
	Windows 2000 Advanced Server, Server, or Terminal Services Edition	Service Pack 3	X	X	X	X
		Service Pack 4	X	X	X	X
	Windows 2000 Professional Uniprocessor	Service Pack 4	X		X	
	Windows NT 4.0 Server	Service Pack 6a and higher	X		X	
	Windows XP Pro	SP2			X	
Red Hat Linux	Enterprise Linux AS/ES/WS	2.1	X up6/7	X up6/7	X up6/7/8	X up6/7/8
		3.0	X up6/7/8	X up6/7/8	X up6/7/8	X up6/7/8
		4.0	X up2/3/4	X up2/3/4	X up2/3/4	X up2/3/4
SuSE Linux	Enterprise Server (SLES)	8.0	X sp4	X sp4	X sp4	X sp4
		9.0	X sp3[1]	X sp3[1]	X sp3[1]	X sp3[1]
		10.0			X	X
	OES		X sp1/2	X sp1/2	X sp1/2	X sp1/2

[1] Please refer to KB 51306 at **http://kb.vmware.com/kb/51306** before applying SP3 to SLES 9,

Table 2. Supported 32-bit Guest Operating Systems

Operating System and Version		ESX Server 3.0		ESX Server 3.0.1	
		UP	MP	UP	MP
Novell Netware	Version 5.1	X sp7/8		X sp7/8	
	Version 6.0	X sp5		X sp5	
	Version 6.5	X sp4/5		X sp4/5	
Sun Solaris	10	X 1/06	X 1/06	X 1/06 06/06	X 1/06 06/06

[1] Please refer to KB 51306 at **http://kb.vmware.com/kb/51306** before applying SP3 to SLES 9,

64-Bit Guest Operating Systems

VMware ESX Server supports the following 64-bit guest operating systems running in virtual machines, with either uniproccessor or multi-processor support.

Table 3. Supported 64-bit guest operating systems

Operating System		ESX Server 3.0		ESX Server 3.0.1	
		UP	MP	UP	MP
Microsoft	Windows 2003 64-bit R2 Enterprise			X	X
	Windows 2003 64-bit R2 Standard			X	X
Red Hat	Red Hat Enterprise Linux 3 64-bit (UP6, UP7)[2]	Experimental	Experimental		
	Red Hat Enterprise Linux 3 64-bit UP7			X	X
	Red Hat Enterprise Linux 3 64-bit UP8			X	X
	Red Hat Enterprise Linux 4 64-bit UP2	Experimental	Experimental	X	X
	Red Hat Enterprise Linux 4 64-bit UP3	Experimental	Experimental	X	X
SuSE	SuSE Linux Server (SLES) 9 64-bit (SP3)	Experimental	Experimental	X	X
	SuSE Linux Server (SLES) 10 64-bit			X	X
Solaris	Solaris 10 1/06[3]	Experimental	Experimental		X
	Solaris 10 6/06			X[4]	X[4]

[1] Please refer to the release notes for an explanation of experimental support.

[2] Use of Red Hat Enterprise Linux 3 guests with more than 4GB of memory on AMD processors requires use of a *.ia32e.rpm package.

[3] No tools available.

[4] Supported with Sun's patch 118855-19 only on 10 6/06 on servers with Intel 5100 series processors. Please refer to Sun bug id 6417900

Servers

NOTE   The minimum CPU clock speed recommended for ESX Server 3.0 has increased from that recommended for ESX Server 2.x.

Table 4. Recommended CPU Clock Speed

	ESX Server 3.0	ESX Server 3.0.1
Minimum CPU clock speed	1500 MHz	1500 MHz
Minimum CPU clock speed, Virtual SMP	1500 MHz	1500 MHz

The following servers are listed and supported for ESX Server:

NOTE   The Intel Xeon 5100, 5300 and 7100 series of processors, and the AMD 2000/8000 series of processors are not supported with any of the listed servers unless explicitly footnoted.

NOTE   Many servers that are qualified with ESX Server 2.5 may not appear on the list for ESX Server 3.x. Several of these are still undergoing certification by VMware or its OEM partners. For specific questions regarding when a particular server is planned to be supported with ESX Server 3.x, please contact your server vendor.

VMware works closely with each of its OEMs to drive towards mutual support of ESX Server at the time of announcement. Due to different product release cycles, levels of testing, and OEM agreements, not all OEM devices will be supported at the general availability date of a new version of ESX Server.

Table 5. Bull Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
Express5800	120Rh-2	X[1]	X[1]
	140Rd-4	X[2]	X[2]

Table 5. Bull Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
NovaScale	B260		X[2, 4]
	B280		X[2, 4]
	R440	X[3, 4]	X[3, 4]
	R460	X[3, 4]	X[3, 4]
	R480		X[5]
	T860	X[3, 4]	X[3, 4]
	T880		X[5]

[1] Single-core processor support only.

[2] Dual-core processor support only.

[3] Dual Core Intel Xeon 5000 series processors.

[4] Dual Core Intel Xeon 5100 series processors.

[5] Dual Core Intel Xeon 7100 series processors.

Table 6. Dell Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
PowerEdge	1850	X[1]	X[1]
	1855 MC	X[1]	X[1]
	1950	X[4, 5]	X[4, 5, 6]
	1955 MC	X[4, 5]	X[4, 5, 6]
	2600	X	X
	2650	X	X
	2800	X[3]	X[3]
	2850	X[1]	X[1]
	2900	X[4, 5]	X[4, 5, 6]
	2950	X[4, 5]	X[4, 5, 6]
	6650	X	X
	6800	X[3]	X[3]
	6850	X[1, 7]	X[1, 7, 8]
	6950		X[9]

[1]   Both single and dual-core Intel processor support.

[2] Dual-core processor support only.

[3] Single-core processor support only.

[4] Dual core Intel Xeon 5000 series processors.

[5] Dual core Intel Xeon 5100 series processors.

[6] Quad core Intel Xeon 5300 series processors.

[7] Dual core Intel Xeon 7000 series processors.

[8] Dual core Intel Xeon 7100 series processors

[9] AMD Opteron 8000 series, Rev F, dual core processors

Table 7. Fujitsu Siemens Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
Primergy	BX620 S2	X[2]	X[2]
	BX620 S3	X[1, 6, 7]	X[4, 6, 7, 8]
	BX630	X[1, 5, 12]	X[1, 5, 12]
	BX660	X[2]	X[2]
	RX200 S3	X[6, 7]	X[6, 7]
	RX220	X[1, 11]	X[1, 11]
	RX300	X[2]	X[2]
	RX300 S2	X[3, 9]	X[3, 9]
	RX300 S3	X[1, 6, 7]	X[1, 6, 7]
	RX600	X[2]	X[2]
	RX600 S2	X[3, 9]	X[3, 9]
	RX600 S3	X[9]	X[1, 9, 10]
	RX800	X	X
	RX800 S2	X[2, 9]	X
	TX200 S3	X[6, 7]	X[1, 4, 6, 7, 8]
	TX300	X	X
	TX300 S2	X[3, 9]	X[3, 9]
	TX300 S3	X[1, 6, 7]	X[1, 6, 7, 8]
	TX600	X[2]	X[2]
	TX600 S2	X[3, 9]	X[3, 9]
	TX600 S3	X[1, 9]	X[1, 9, 10]

[1] Dual-core processor support.

[2] Single-core processor support.

[3] Both single-core and dual-core processor support

[4] Quad-core processor support

[5] AMD Opteron 800 series, Rev E, dual core processors

[6] Dual Core Intel Xeon 5000 series processor

[7] Dual Core Intel Xeon 5100 series processor

[8] Quad Core Intel Xeon 5300 series processor

[9] Dual Core Intel Xeon 7000 series processor

[10] Dual Core Intel Xeon 7100 series processor

[11] AMD Opteron 200 series, Rev E, dual core processors

[12] Only supported with boot from SAN or LSI SAS1068

Table 8. Fujitsu Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
Primergy	BX620 S2	X[2]	X[2]
	BX620 S3	X[4]	X[4]
	RX300 S2	X [1, 3, 6]	X [1, 3, 6]
	RX600 S2	X [3, 6]	X [3, 6]
	RX300 S3	X [4, 5]	X [4, 5]
	RX600 S3	X [1, 6]	X [1, 6, 7]
	TX200 S3	X [4]	X [4]

[1] Dual-core processor support only

[2] Single-core processor support only.

[3] Both single and dual-core Intel processor support

[4] Dual Core Intel Xeon 5000 series processors

[5] Dual Core Intel Xeon 5100 series processor

[6] Dual Core Intel Xeon 7000 series processor

[7] Dual Core Intel Xeon 7100 series processor

Table 9. Hewlett Packard Server Support

Model	Model	ESX Server 3.0	ESX Server 3.0.1
ProLiant	DL360 G3	X	X
	DL360 G4	X	X
	DL360 G4p	X[2]	X[2]
	DL360 G5	X[7]	X[3, 4, 5]
	DL365		X[8]
	DL380 G3	X	X
	DL380 G4	X[2]	X[2]
	DL380 G5	X[7]	X[3, 4, 5]
	DL385	X[1]	X[1]
	DL385 G2		X[8]
	DL560	X	X
	DL580 G2	X	X
	DL580 G3	X[2]	X[2]
	DL580 G4	X	X[6]
	DL585	X[1]	X[1]
	DL585 G2		X[9]
	DL740	X	X
	DL760 G2	X	X
	ML350 G5		X[3, 4]
	ML370 G3	X	X
	ML370 G4	X[2]	X[2]
	ML370 G5	X[7]	X[3, 4, 5]
	ML570 G2	X	X
	ML570 G3	X[2]	X[2]
	ML570 G4	X	X[6]

For more information on configuring HP ProLiant servers for use with ESX Server, refer to knowledge base article 1081, available at http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=1081.

[1] Both single and dual-core Opteron support.

[2] Both single and dual-core Intel processor support.

[3] Dual-core Intel Xeon 5000 Series processors.

[4] Dual-core Intel Xeon 5100 Series processors.

[5] Quad-core Intel Xeon 5300 series processors.

[6] Dual core Intel Xeon 7100 series processors.

[7] Supported for Intel Xeon 5000 and 5100 series only.

[8] AMD Opteron 2000 series, Rev F, dual core processors

[9] AMD Opteron 8000 series, Rev F, dual core processors

[10] Supported in non-SAS configuration only.

Table 9. Hewlett Packard Server Support (Continued)

Model	Model	ESX Server 3.0	ESX Server 3.0.1
BladeSystem	BL20p G2	X	X
	BL20p G3	X[2]	X[2]
	BL20p G4	X[7]	X[3, 4, 5]
	BL25p	X[1]	X[1]
	BL25p G2		X[8]
	BL30p	X	X
	BL35p	X[1, 10]	X[1]
	BL40p	X	X
	BL45p	X[1]	X[1]
	BL45p G2		X[9]
	BL460c	X[3, 4, 7]	X[3, 4, 5]
	BL465c		X[8]
	BL480c	X[3, 4, 7]	X[3, 4, 5]
	BL685c		X[9]

For more information on configuring HP ProLiant servers for use with ESX Server, refer to knowledge base article 1081, available at http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=1081.

[1] Both single and dual-core Opteron support.

[2] Both single and dual-core Intel processor support.

[3] Dual-core Intel Xeon 5000 Series processors.

[4] Dual-core Intel Xeon 5100 Series processors.

[5] Quad-core Intel Xeon 5300 series processors.

[6] Dual core Intel Xeon 7100 series processors.

[7] Supported for Intel Xeon 5000 and 5100 series only.

[8] AMD Opteron 2000 series, Rev F, dual core processors

[9] AMD Opteron 8000 series, Rev F, dual core processors

[10] Supported in non-SAS configuration only.

Table 10. Hitachi Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
BladeSymphony	AA51A2	X[1, 3]	X[1, 3]
	AA51A3		X[3, 4, 5]
	AC51A1		X[2, 3, 4, 5, 6]

[1] BIOS version F14 or newer

[2] BIOS version F21 or newer

[3] SUSE Linux is not tested as GOS.

[4] Supported for Dual-core Intel Xeon 5100 series processors only

[5] Patch ESX-1006511 is required. Please refer to **http://www.vmware.com/support/vi3/doc/esx-1006511-patch.html**

[6] Supported in non-SAS configuration only

Table 11. IBM Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
BladeCenter	HS20-7981		X [17, 15]
	HS20-8832 (32 bit)	X[3]	X[3]
	HS20-8832 Nocona	X[3]	X[3]
	HS20-8843	X[3]	X[3]
	HS21-8853		X[11, 12]
	HS40-8839	X[3]	X[3]
	LS20-8850	X [1, 18]	X [1, 18]
	LS21		X [19]
	LS41		X [20]

[1] Certified single and dual-core Opteron.

[2] Only single-core Opteron systems.

[3] Intel single-core processors.

[4] Both single and dual-core Intel processor support.

[5] During installation of ESX Server 3.0 on the IBM e326 server, USB keyboards can become unresponsive. For a workaround, see the VMware knowledge base article 2152 (http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=2152).

[6] Supported only in dual-core configurations with SCSI disks.

[7] Up to 4 nodes, up to 16 single core processors.

[8] Up to 4 nodes, up to 16 single core processors with Hyperthreading enabled or up to 16 dual core processors with Hyperthreading disabled.

[9] Up to 16 single-core processors

[10] Dual-core Intel Xeon 5000 Series processors.

[11] Dual-core Intel Xeon 5100 series processors.

[12] Quad-core Intel Xeon 5300 series processors.

[13] Dual-core Intel Xeon 7000 series processors.

[14] Dual-core Intel Xeon 7100 series processors.

[15] Dual-core Intel Xeon LV processors

[16] Single-core processor support only.

[17] Dual-core processor support.

[18] AMD Opteron 200 series, Rev E, dual core processors.

[19] AMD Opteron 2000 Series Rev F dual core processors

[20] AMD Opteron 8000 series Rev F processors.

[21] Supported with LSI1068E and SAS drives only.

[22] Supported with SAS drives only

Table 11. IBM Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
Tower & Rack-optimized	226	X[3]	X[3]
	235	X[3]	X[3]
	236 - 8841	X[3]	X[3]
	260 - 8865	X[3, 13]	X[3, 13]
	e325	X[2]	X[2]
	e326-7969	X[5, 6, 18]	X[5, 6, 18]
	e326-8848	X[1, 18]	X[1, 18]
	336 - 8837	X[3, 16]	X[3, 16]
	346 - 8840	X[3, 4, 13]	X[3, 4, 13]
	365	X[3]	X[3]
	366	X[3, 4, 13]	X[3, 4, 13]
	445 (up to 16 CPUs)	X[3]	X[3]
	445 EXA (up to 16 CPUs)	X[3]	X[3]
	460 - 8872	X[3, 7, 13]	X[3, 7, 13]
	x440		X[9]
	x3455		X[19, 21, 22]
	x3500-7977	X[10, 11]	X[10, 11, 12, 22]
	x3550	X[10, 11, 22]	X[10, 11, 12, 22]
	x3650	X[10, 11]	X[10, 11, 12]
	x3655		X[17, 19]
	x3755		X[17, 20]
	x3800	X[13]	X[13, 14]
	x3850	X[13]	X[13, 14]
	x3950	X[8, 13]	X[8, 13, 14]

[1] Certified single and dual-core Opteron.

[2] Only single-core Opteron systems.

[3] Intel single-core processors.

[4] Both single and dual-core Intel processor support.

[5] During installation of ESX Server 3.0 on the IBM e326 server, USB keyboards can become unresponsive. For a workaround, see the VMware knowledge base article 2152 (http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=2152).

[6] Supported only in dual-core configurations with SCSI disks.

[7] Up to 4 nodes, up to 16 single core processors.

[8] Up to 4 nodes, up to 16 single core processors with Hyperthreading enabled or up to 16 dual core processors with Hyperthreading disabled.

[9] Up to 16 single-core processors

[10] Dual-core Intel Xeon 5000 Series processors.

[11] Dual-core Intel Xeon 5100 series processors.

[12] Quad-core Intel Xeon 5300 series processors.

[13] Dual-core Intel Xeon 7000 series processors.

[14] Dual-core Intel Xeon 7100 series processors.

[15] Dual-core Intel Xeon LV processors

[16] Single-core processor support only.

[17] Dual-core processor support.

[18] AMD Opteron 200 series, Rev E, dual core processors.

[19] AMD Opteron 2000 Series Rev F dual core processors

[20] AMD Opteron 8000 series Rev F processors.

[21] Supported with LSI1068E and SAS drives only.

[22] Supported with SAS drives only

Table 12. Intel Server Support

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA Compute Blade SBXD132	Anders & Rodewyk	ModularPower 710B60		X[2, 4]
	Ciara	VXPRO B7200		X[2, 4]
	Digital Henge	Revo AS1500		X[2, 4]
	Digital Henge	Revo AS1550		X[2, 4]
	Digital Henge	Revo AS2500		X[2, 4]
	HCL	Infiniti Globleline 2700 CT		X[2, 4]
	Inbox	e-Bridge 6200		X[2, 4]
	Itautec	Servidor Itautec BX201		X[2, 4]
	MaxData	MAXDATA PLATINUM Blade X123		X[2, 4]
	Ockam	Ockam Enterprise Blades OS-12000WC		X[2, 4]
	Silicon Systems	Silicon Black Mountain Blade 132		X[2, 4]
	TAROX Systems & Services GmbH	TAROX ParX Blade 5000		X[2, 4]
	Wipro	Wipro NetBlade Z2701		X[2, 4]
Intel ESAA S5000PAL/SR1500	Ciara	VXPRO R1200	X[2, 3, 4, 10]	X[2, 3, 4, 11]
	Inbox	e-Bridge 2010	X[2, 3, 4, 10]	X[2, 3, 4, 11]
	Nanobay	Nano AR1500	X[2, 3, 4, 10]	X[2, 3, 4, 11]
	TAROX Systems & Services GmbH	TAROX ParX 1500R G2	X[2, 3, 4, 10]	X[2, 3, 4, 11]
	ZT Group	ZT Reliant DC X9009	X[2, 3, 4, 10]	X[2, 3, 4, 11]

[1]   Only the LSI hardware RAID configuration is supported.

[2]   Dual-core processor support only.

[3]   Dual-core Intel Xeon 5000 series processors.

[4]   Dual-core Intel Xeon 5100 series processors.

[5]   Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6]   4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7]   4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8]   6U, Dual Core CPU, P08 BIOS

[9]   6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 12. Intel Server Support (Continued)

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA S5000PAL/SR1550	Ciara	*VX*PRO R1200	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Acer	Altos R520	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Anders & Rodewyk	Ariane 155	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	BGM	Elitas SR520	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Digital Henge	Revo AS1550	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	HCL	GL 2700 AC	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Inbox	e-Bridge 2010	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	MAXDATA	PLATINUM 1600 IR M1	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	MPC	NetFRAME 2640	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	TAROX Systems & Services GmbH	TAROX ParX 1550R G2	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Transtec	Transtec 1001L Intel Managed Server	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Transtec	Transtec 1002L Intel Managed Server	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Viglen	Viglen IX2200R	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Wipro	NetPower Z2105	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Wortman	TERRA SERVER 6151	X[2, 3, 4, 10]	X[3, 4, 5, 11]

[1] Only the LSI hardware RAID configuration is supported.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6] 4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7] 4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8] 6U, Dual Core CPU, P08 BIOS

[9] 6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 12. Intel Server Support (Continued)

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA S5000PAL/SR2500	Acer	Altos R720	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Anders & Rodewyk	Ariane 250	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	BGM	Elitas SR720	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Ciara	VXPRO R2200	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Compusys	Pro Manager SR2500PAL	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Digital Henge	Revo AS2500	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	HCL	GL 2700AC	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Inbox	e-Bridge 2025	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	MAXDATA	PLATINUM 2200 IR M6	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	MPC	NetFRAME 2740	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Nanobay	nano AL2500	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Ockam	Ockam - Duo - OSPAL - 4200R	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Samsung	ZSS132	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Silicon Systems	Silicon Copper Mountain	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	TAROX Systems & Services GmbH	TAROX ParX 2000R G2	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Transtec	Transtec 2600L Intel Managed Server	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Viglen	Viglen IX2400R	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Wipro	NetPower Z2205	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	Wortman	TERRA SERVER 6201	X[2, 3, 4, 10]	X[3, 4, 5, 11]
	ZT Group	ZT Reliant DC X9010	X[2, 3, 4, 10]	X[3, 4, 5, 11]
Intel ESAA S5000PSLROMB	Anders & Rodewyk	Ariane 540	X[2, 3, 4]	X[2, 3, 4]
	BGM	Elitas SP520	X[2, 3, 4]	X[2, 3, 4]
	BGM	Elitas SP720	X[2, 3, 4]	X[2, 3, 4]
	HCL	Infiniti Globalline 2700ST	X[2, 3, 4]	X[2, 3, 4]
	Inbox	e-Bridge 2001	X[2, 3, 4]	X[2, 3, 4]
	Inbox	e-Bridge 2021	X[2, 3, 4]	X[2, 3, 4]
	MPC	NetFRAME 2640	X[2, 3, 4]	X[2, 3, 4]
	MPC	NetFRAME 3640	X[2, 3, 4]	X[2, 3, 4]
	Ockam	Ockam - Duo - OSPSL - 4200	X[2, 3, 4]	X[2, 3, 4]
	SAI Info	Sunny S450	X[2, 3, 4]	X[2, 3, 4]
	Silicon Systems	Silicon Aspen	X[2, 3, 4]	X[2, 3, 4]
	Wipro	Wipro NetPower Z2503	X[2, 3, 4]	X[2, 3, 4]
	Wortmann	TERRA SERVER 6401	X[2, 3, 4]	X[2, 3, 4]
	Wortmann	TERRA SERVER 6501	X[2, 3, 4]	X[2, 3, 4]

[1] Only the LSI hardware RAID configuration is supported.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6] 4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7] 4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8] 6U, Dual Core CPU, P08 BIOS

[9] 6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 12. Intel Server Support (Continued)

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA S5000PSLROMB/ SC5299-E	Ciara	*VX*PRO T5200	X[2, 3, 4]	X[2, 3, 4]
	Compusys	ProManaged 5299XN	X[2, 3, 4]	X[2, 3, 4]
	Digital Henge	Revo LP5299	X[2, 3, 4]	X[2, 3, 4]
	Nanobay	Nano SL5299	X[2, 3, 4]	X[2, 3, 4]
	Silicon Systems	Silicon Aspen Pedestal	X[2, 3, 4]	X[2, 3, 4]
	TAROX Systems & Services GmbH	TAROX ParX 700 G2	X[2, 3, 4]	X[2, 3, 4]
Intel ESAA S5000PSLROMB/ SC5400	Ciara	*VX*PRO T5200	X[2, 3, 4]	X[2, 3, 4]
	Compusys	SC5400PSL	X[2, 3, 4]	X[2, 3, 4]
	Digital Henge	Revo LS5400	X[2, 3, 4]	X[2, 3, 4]
	Nanobay	Nano SL5400	X[2, 3, 4]	X[2, 3, 4]
	Silicon Systems	Silicon Aspen 5U	X[2, 3, 4]	X[2, 3, 4]
	TAROX Systems & Services GmbH	TAROX ParX 5000 G1	X[2, 3, 4]	X[2, 3, 4]

[1] Only the LSI hardware RAID configuration is supported.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6] 4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7] 4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8] 6U, Dual Core CPU, P08 BIOS

[9] 6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 12. Intel Server Support (Continued)

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA SR4850HW4 [6]	Acer	Altos R910	X[1, 2]	X[1, 2]
	Anders & Rodewyk	Ariane 420	X[1, 2]	X[1, 2]
	Aquarius	AquaServer NQ312	X[1, 2]	X[1, 2]
	BGM	Elitas® SR1010	X[1, 2]	X[1, 2]
	Ciara/VXTECH	VXPRO R4400	X[1, 2]	X[1, 2]
	Compusys	ProManaged SR4850HW4	X[1, 2]	X[1, 2]
	Digital Henge	INNO HR-4850	X[1, 2]	X[1, 2]
	HCL	Infiniti Globalline 4700HW	X[1, 2]	X[1, 2]
	Inbox	e-Bridge 4040	X[1, 2]	X[1, 2]
	Itautec	Servidor Itautec ZX400	X[1, 2]	X[1, 2]
	Lenovo	R630	X[1, 2]	X[1, 2]
	MAXDATA	MAXDATA PLATINUM 7200 IR M5	X[1, 2]	X[1, 2]
	MPC	NetFRAME 6620	X[1, 2]	X[1, 2]
	Nanobay	NANO SR4850hw4	X[1, 2]	X[1, 2]
	PowerLeader	PR4850	X[1, 2]	X[1, 2]
	R-Style	R-Style MARSHALL NP491	X[1, 2]	X[1, 2]
	Samsung	ZSS230	X[1, 2]	X[1, 2]
	Silicon Systems	Silicon Diamond Peak	X[1, 2]	X[1, 2]
	TAROX Systems & Services GmbH	TAROX ParX 7000R G2 4U	X[1, 2]	X[1, 2]
	Transtec	Transtec 4200L Intel Managed Server	X[1, 2]	X[1, 2]
	Verari	VB1205	X[1, 2]	X[1, 2]
	Wipro	Wipro 9426N4U	X[1, 2]	X[1, 2]
	Wortmann	TERRA AQUA 8100	X[1, 2]	X[1, 2]
Intel ESAA SR4850HW4/M[7]	Anders & Rodewyk	Ariane 430	X[1, 2]	X[1, 2]
	MAXDATA	MAXDATA PLATINUM 7200 IR M6	X[1, 2]	X[1, 2]
	Viglen	Viglen IX6004R	X[1, 2]	X[1, 2]

[1] Only the LSI hardware RAID configuration is supported.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6] 4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7] 4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8] 6U, Dual Core CPU, P08 BIOS

[9] 6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 12. Intel Server Support (Continued)

Intel Model	Partner	OEM Partner Model	ESX Server 3.0	ESX Server 3.0.1
Intel ESAA SR6850HW4 [8]	Anders & Rodewyk	Ariane 620	X[1, 2]	X[1, 2]
	BGM	Elitas® SP1010	X[1, 2]	X[1, 2]
	Compusys	ProManaged SR6850HW4	X[1, 2]	X[1, 2]
	Digital Henge	INNO HR-6850	X[1, 2]	X[1, 2]
	Inbox	e-Bridge 4060	X[1, 2]	X[1, 2]
	Itautec	Servidor Itautec ZX440	X[1, 2]	X[1, 2]
	Lenovo	R650	X[1, 2]	X[1, 2]
	Nanobay	NANO SR6850hw4	X[1, 2]	X[1, 2]
	Ockam	Ockam ES OS-6400	X[1, 2]	X[1, 2]
	PowerLeader	PR6850	X[1, 2]	X[1, 2]
	Samsung	ZSS230D	X[1, 2]	X[1, 2]
	TAROX Systems & Services GmbH	TAROX ParX 7000R G2 6U	X[1, 2]	X[1, 2]
	Wipro	Wipro 9426N6U	X[1, 2]	X[1, 2]
	Wortman	TERRA AQUA 8200	X[1, 2]	X[1, 2]
Intel ESAA SR6850HW4/M[9]	Anders & Rodewyk	Ariane 630	X[1, 2]	X[1, 2]
	Gateway	Gateway 9715	X[1, 2]	X[1, 2]
	Viglen	Viglen IX6006R	X[1, 2]	X[1, 2]

[1] Only the LSI hardware RAID configuration is supported.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Quad-core Intel Xeon 5300 series processors. - Requires BIOS version 66 or higher.

[6] 4U, Dual Core XEON CPU, 667 MHz FSB, P08 BIOS

[7] 4U, Dual Core XEON, 800MHz FSB CPU, P08 BIOS

[8] 6U, Dual Core CPU, P08 BIOS

[9] 6U, XEON MP CPU, 800MHz FSB, P08 BIOS

[10] BIOS Version 54

[11] BIOS Version 64

Table 13. Mitsubishi Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
FT8600	220Rc	X[1]	X[1]
	220Rd	X[3, 4]	X[3, 4]
	440Rb	X[2]	X[2]

[1] Single-core processor support only.

[2] Dual-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

Table 14. NEC Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
Express5800	120Ba-4		X[2]
	120Bb-6		X[4]
	120Bb-d6		X[6]
	120Bb-m6		X[6]
	120Lh	X[2]	X[2]
	120Li	X[3, 4]	X[3, 4]
	120Rg-1	X[3, 4]	X[3, 4]
	120Rh-2	X[2]	X[2]
	140Hf		X[5]
	140He	X[1]	X[1]
	140Rd-4	X[1]	X[1]
	140Re-4		X[5]
	120Ri-2	X[3, 4]	X[3, 4]

[1] Dual-core processor support only.

[2] Single-core processor support only.

[3] Dual-core Intel Xeon 5000 series processors.

[4] Dual-core Intel Xeon 5100 series processors.

[5] Dual-core Intel Xeon 7100 series processors.

[6] Quad-core Intel Xeon 5300 series processors.

Table 15. Rackable Systems Server Support

Product	ESX Server 3.0	ESX Server 3.0.1
S5108-T03-210E		X[1, 2]

[1] Dual-core processor support only.

[2] AMD Opteron 800 series Rev E dual core processors

Table 16. Samsung Server Support

Product	ESX Server 3.0	ESX Server 3.0.1
ZSS380-D[1]	X	X
ZSS380-T[1, 2]		X

[1] Up to 4 nodes, up to 16 single core processors with Hyperthreading enabled or up to 16 dual core processors with Hyperthreading disabled.

[2] Dual-core Intel Xeon 7100 series processors.

Table 17. Sun Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
SunFire	V40z	X[1]	X[1]
	X4100	X[1, 3]	X[1, 3]
	X4200	X[1, 3]	X[1, 3]
	X4600		X[2, 4]
	X4600 M2		X[2, 5]
Blade 8000 Modular System	X8400 Server Module		X[2, 4]
	X8420 Server Module		X[2, 5]

[1] Both single and dual-core AMD Opteron support.

[2] Dual-core processor support only.

[3] AMD Opteron 200 series, Rev E, dual core processors.

[4] AMD Opteron 800 series Rev E dual core processors

[5] AMD Opteron 8000 series, Rev F, dual core processors

Table 18. Unisys Server Support

Product	Model	ESX Server 3.0	ESX Server 3.0.1
ES3000	ES3120	X[5]	X[5]
	ES3120L	X[1]	X[1]
	ES3140	X[5]	X[5]
	ES3140L	X[6,10]	X[6,10]
	ES3220	X[7, 8]	X[7, 8, 9]
	ES3220L	X[7, 8]	X[7, 8, 9]
ES7000	ES7000/one	X[1, 2]	X[1, 2, 11]
	ES7000/510	X[5]	X[5]
	ES7000/520	X[5]	X[5]
	ES7000/530	X[5]	X[5]
	ES7000/540	X[5]	X[5]
	ES7000/600	X[1, 2]	X[1, 2]
ClearPath	Dorado 300 Series	X[1, 2, 3]	X[1, 2, 3]
	Libra 600 Series	X[2, 3, 4]	X[2, 3, 4]

[1]   Both single and dual-core Intel processor support.

[2] Up to 16 dual-core processors with Hyperthreading disabled.

[3] Supported on the Intel partition only.

[4] Single-core not offered.

[5] Single-core processor support only.

[6] Dual-core processor support only.

[7] Dual-core Intel Xeon 5000 series processors.

[8] Dual-core Intel Xeon 5100 series processors.

[9] Quad core Intel Xeon 5300 series processors.

[10] Dual-core Intel Xeon 7000 series processors.

[11] Dual-core Intel Xeon 7100 series processors.

VMotion Processor Compatibility Requirements

To support VMotion, you need to make sure that the source and destination hosts have compatible processors. You can distinguish different processor versions within the same family by comparing

the processors' model, stepping level, and extended features.

To learn more about VMotion CPU compatibility requirements, refer to the following:

- For Intel Processors refer to: **http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=1991**

- For AMD Processors: **http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=1992**

Currently Qualified Hardware Lifecycle Management Applications

For information on currently qualified systems management applications for ESX Server, refer to **VMware ESX Server Supported Lifecycle Management Agents**.