



# Systems Compatibility Guide

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## Delta Guide

This guide contains only changes since the last edition of this guide. For a full listing of supported shipping platforms, please download the Full Systems Compatibility Guide.

## What's New

Changes made in the last 7 days include:

None

## Introduction

VMware ESX is tested for compatibility with a variety of major guest operating systems running in virtual machines. Additionally, VMware ESX 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.

If you are having a technical issue with 3rd party HW/SW and it is not found on this list, please refer to our 3rd Party HW/SW support policy at <http://www.vmware.com/support/policies/ThirdParty.html>.

**NOTE:** VMware supports Two-Socket Servers and Three-Socket Servers which are de-populated versions of Four-Socket Servers that are on the Systems Compatibility Guide for ESX 3.0.x. The de-populated Server Configuration must also be supported by the OEM. There is no change in the current Licensing model.

VMware will still sell Licenses in Two-Socket increments. To best utilize all Licenses purchased for Three-Socket Servers, we suggest deploying Server-based Licenses and deploying Three-Socket populated Servers in pairs so Licenses can be distributed evenly across them.

VMware works closely with each of its OEMs to drive towards mutual support of ESX 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.

For Intel and AMD processors, VMware supports the processor series and the processor model that are listed with each server. Please check with the server vendor for specific CPU support.

### **RECOMMENDED CPU CLOCK SPEED**

*ESX 3.0:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3.0.1:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3.0.2:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3.0.3:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3.5:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3i Embedded:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

*ESX 3i Installable:*

- \* Minimum CPU clock speed - 1500 MHz
- \* Minimum CPU clock speed, Virtual SMP - 1500 MHz

## Server Device and Model Information

The detailed lists show actual vendor devices that are either physically tested or are similar to the devices tested by VMware or VMware partners. VMware provides support only for the devices that are listed in this document

<b>Manufacturer</b>	<b>Model</b>	<b>CPU Model</b>	<b>Supported Releases</b>
ExuS-Data GmbH	ProServ II X5400	Quad-core Intel Xeon 5300 Series	ESX 3.0.3, ESX 3.0.2 U1, ESX 3.0.2, ESX 3.0.1
ExuS-Data GmbH	ProServ II X5400	Quad-core Intel Xeon 5300 Series	ESX 3.0.3, ESX 3.0.2 U1, ESX 3.0.2, ESX 3.0.1
ExuS-Data GmbH	ProServ II X5400	Quad Core Intel Xeon 5400	ESX 3.0.3, ESX 3.0.2 U1
ExuS-Data GmbH	ProServ II X5400	Quad Core Intel Xeon 5400	ESX 3.0.3, ESX 3.0.2 U1
Sun Microsystems Inc	Sun Fire X4600 M2	Quad Core AMD Opteron 83xx	ESX 3.0.3 <sup>1</sup>
Sun Microsystems Inc	Sun Fire X2200 M2	AMD Opteron 2000 Series	ESX 3.0.3 <sup>2, 3 kb: 1</sup> , ESX 3.0.2 U1 <sup>2, 3 kb: 1</sup>
Sun Microsystems Inc	Sun Fire X4200 M2	Quad Core AMD Opteron 23xx	ESX 3.0.3 <sup>kb: 1</sup> , ESX 3.0.2 U1 <sup>kb: 1</sup>
Sun Microsystems Inc	Sun Fire X4600 M2	Second-Generation AMD Opteron Processor Model 8220	ESX 3.0.3

<b>Manufacturer</b>	<b>Model</b>	<b>CPU Model</b>	<b>Supported Releases</b>
Sun Microsystems Inc	Sun Blade X6250	Dual Core Intel Xeon E5200 Series	ESX 3.0.3, ESX 3.0.2 U1

## Footnotes:

1. AMD Opteron 8300 series. Requires Update 1 or higher
2. SATA configuration is not tested.
3. Supports AMD Opteron 2222

## \* Device Driver Notes

None

## VMotion Processor Compatibility Requirements

To support VMotion, 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](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](http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=1992)

## 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](http://www.vmware.com/pdf/GuestOS_guide.pdf).

## Currently Qualified Hardware Life cycle Management Applications

For information on currently qualified systems management applications for ESX, refer to VMware ESX Supported Life-cycle Management Agents.

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