

Sun Fire X4800 Server Installation Guide for ESX Software



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Preface

This preface describes related documentation and the process for submitting feedback. It also includes a document change history.

- “Product Information Web Site” on page 5
- “Related Books” on page 5
- “About This Documentation (PDF and HTML)” on page 7
- “Documentation Comments” on page 7
- “Change History” on page 8

Product Information Web Site

For information about the Sun Fire X4800 server, go to the Sun Fire X4800 Server product site:

<http://www.oracle.com/goto/x4800>

At that site, you can find links to the following information and downloads:

- Product information and specifications
- Supported operating systems
- Software and firmware downloads
- Supported option cards
- External storage options

Related Books

The following is a list of documents related to your Oracle Sun Fire X4800 Server. These and additional support documents are available on the web at:

<http://www.oracle.com/goto/x4800>

Document Group	Document	Description
Sun Fire X4800 Server-Specific Documentation	Sun Fire X4800 Server Product Documentation	Integrated HTML version of all starred (*) documents, including Search and Index.
	<i>Sun Fire X4800 Server Getting Started Guide</i>	Pictorial setup quick reference.
	<i>Sun Fire X4800 Server Installation Guide</i>	How to install, rack, and configure the server up to initial power-on.
	<i>Sun Fire X4800 Server Product Notes</i>	Important late-breaking information about your server.
	<i>Sun Installation Assistant 2.3 through 2.4 User's Guide for x64 Servers</i>	A Sun tool used to perform an assisted installation of a supported Windows or Linux OS, upgrade firmware, and other tasks.
	<i>Sun Fire X4800 Server Installation Guide for Oracle Solaris Operating Systems</i>	How to install the Oracle Solaris OS on your server.
	<i>Sun Fire X4800 Server Installation Guide for Linux Operating Systems</i>	How to install a supported Linux OS on your server.
	<i>Sun Fire X4800 Server Installation Guide for Windows Operating Systems</i>	How to install supported versions of Microsoft Windows on your server.
	<i>Sun Fire X4800 Server Installation Guide for ESX Software</i>	How to install supported versions of ESX software on your server.
	<i>Sun Fire X4800 Server Diagnostics Guide</i>	How to diagnose problems with your server.
	<i>Sun Fire X4800 Server Service Manual</i>	How to service and maintain your server.
	<i>Sun Fire X4800 Server Safety and Compliance Guide</i>	Safety and compliance information about your server.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Supplement for the Sun Fire X4800 Server</i>	Version-specific supplemental information for your server's Integrated Lights Out Manager.
	<i>Sun x64 Server Utilities Reference Manual</i>	How to use the available utilities included with your server.
	Service labels	Copies of the service labels that appear on the chassis and CPU modules.

Document Group	Document	Description
Sun Integrated Controller Disk Management	<i>Sun x64 Server Disk Management Overview</i>	Information about managing your server's storage.
x86 Servers Applications and Utilities Reference Documentation	<i>Sun x64 Server Utilities Reference Manual</i>	How to use the available utilities included with your server.
Oracle Integrated Lights Out Manager (ILOM) 3.0 Documentation (Formerly Sun Integrated Lights Out Manager (ILOM) 3.0 Documentation)	<i>Sun Integrated Lights Out Manager (ILOM) 3.0 Feature Updates and Release Notes</i>	Information about new ILOM features.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Getting Started Guide</i>	Overview of ILOM 3.0.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Concepts Guide</i>	Conceptual information on ILOM 3.0.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Web Interface Procedures Guide</i>	How to use ILOM through the web interface.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 CLI Procedures Guide</i>	How to use ILOM through commands.
	<i>Sun Integrated Lights Out Manager (ILOM) 3.0 Management Protocols Reference Guide</i>	Information about management protocols.

About This Documentation (PDF and HTML)

This documentation set is available in both PDF and HTML. The information is presented in topic-based format (similar to online help) and therefore does not include chapters, appendixes, or section numbering.

Documentation Comments

We are interested in improving the product documentation and welcome your comments and suggestions. You can submit comments by navigating to:

<http://www.sun.com/secure/products-n-solutions/hardware/docs/feedback>

Include the title and part number of your document with your feedback.

Change History

The following changes have been made to the documentation set.

- April 2010 – Installation Guide released.
- June 2010 – Installation Guide and Getting Started Guide re-released.
- July 2010 – Initial release of other documents.
- August 2010 – Product Notes and Service Manual re-released. ESX Installation Guide added.

Installing VMware ESX 4

The installation of VMware ESX 4 includes the following tasks.

Step	Description	Link
1	Obtain information about your installation.	“How to Obtain VMware Installation and Administration Documentation” on page 9
2	Identify a specific network interface.	“How to Identify the Network Interface” on page 10
3	Obtain the installation image and burn it to a DVD or copy it onto a server.	“How to Obtain an Image of the Installation File” on page 10
4	Install VMware ESX 4.	“How to Install VMware ESX 4” on page 10
5	Update VMware ESX 4.	“How to Update VMware ESX 4” on page 11
5	Update VMware ESX 4.	“Installing VMware ESXi 4.0 Installable” on page 13

Note – If you are going to install your OS on a disk that is part of a RAID array, you must configure the RAID array before installing your OS. See your disk management documentation for details.

Bootting options described in this document include local DVD boot using the system console or remote DVD or ISO image file boot using ILOM console redirection. VMware supports other bootting options, such as PXE (see the VMware documentation for details).

▼ How to Obtain VMware Installation and Administration Documentation

- 1 Download or consult documents as required from:
http://www.vmware.com/support/pubs/vs_pages/vsp_pubs_esx40_vc40.html

- 2 Use the information in these documents to plan your installation.

▼ How to Identify the Network Interface

The vSphere 4.0 service console and management interface require a network interface. The service console does not automatically use the first interface with a live connection. Instead, it allows you to select one during the installation. It defaults to `vmnic0`.

Perform the following tasks before beginning the ESX 4 installation.

- 1 **Identify the network connector that you will use for the vSphere 4.0 service console and management interface.**
- 2 **Ensure that the network connector you select is connected to the correct network.**
Refer to your service manual for information about the network connectors on your server.

See Also VMware documentation in “[How to Obtain VMware Installation and Administration Documentation](#)” on page 9 for information about the ESX4 service console and management interface.

▼ How to Obtain an Image of the Installation File

Before You Begin At the release of this document, your server supports VMware ESX/ESXi 4 Update 2. Check the *Sun Fire X4800 Product Notes* for up-to-date information on OS support.

- 1 **Download a copy of the VMware ESX 4 image (ISO) file from the VMware web site:**
<http://www.vmware.com/download/>
- 2 **Burn a copy of the ISO file to a DVD.**
If you are going to use a remote console, you can either burn the ISO file to a DVD or copy it to the server where you will do the remote installation.

▼ How to Install VMware ESX 4

Before You Begin Obtain the following items before installation:

- The *ESX and vCenter Server Installation Guide* for VMware.
- A monitor, a USB keyboard, and a mouse connected to rear USB ports of the server (not required if you are installing remotely).
- A copy of the VMware installation file, located in one of the following (bootable) locations:

- An external USB DVD/CD-ROM drive connected to the server.
- A DVD/CD-ROM drive, or an ISO file connected through a remote console.

1 Configure the server and boot it from the distribution media as described in “[Booting From OS Distribution Media](#)” on page 15.

The server boots from the distribution media.

2 Choose the interface to work with:

- To work in graphical mode, press Enter.
- To work in text mode, at a prompt, select Install ESX in text mode from the menu.

3 Complete the VMware installation.

Refer to the *ESX and vCenter Server Installation Guide* to guide you through the installation process.

▼ **How to Update VMware ESX 4**

- 1 Check the VMware web site to see if any updates are available.**
<http://www.vmware.com/support/>
- 2 Download and install any updates as described on the VMware web site.**

Installing VMware ESXi 4.0 Installable

The VMware ESXi 4.0 installation includes the following tasks.

Step	Description	Link
1	Obtain the installation image and burn it to a DVD or copy it onto a server.	“How to Obtain an Image of the Installation File” on page 14
2	Install VMware ESXi 4.0 Installable.	“How to Install VMware ESXi 4.0 Installable” on page 14
3	Update VMware ESXi 4.0 Installable.	“How to Update VMware ESXi 4.0 Installable” on page 14

Note – If you are going to install your OS on a disk that is part of a RAID array, you must configure the RAID array before installing your OS. See your disk management documentation for details.

Bootting options described in this document include local DVD boot using the system console or remote DVD or ISO image file boot using ILOM console redirection. VMware supports other bootting options, such as PXE (see the VMware documentation for details).

▼ How to Obtain VMware Installation and Administration Documentation

- 1 **Navigate to the VMware documentation site at:**
http://www.vmware.com/support/pubs/vs_pages/vsp_pubs_esxi40_i_vc40.html
- 2 **Use the information from these documents to plan your installation before proceeding.**

▼ How to Obtain an Image of the Installation File

Before You Begin At the release of this document, your server supports VMware ESX/ESXi 4 Update 2. Check the *Sun Fire X4800 Server Product Notes* for up-to-date information on OS support.

- 1 **Download a copy of the VMware ESXi 4.0 Installable image (ISO) file from the VMware web site:**
<http://www.vmware.com/download/>

- 2 **Burn a copy of the ISO file to a CD.**

If you are going to perform the installation using the remote console, you can either burn it to a CD or copy the ISO file to the server that is hosting the remote console session.

▼ How to Install VMware ESXi 4.0 Installable

Before You Begin Obtain the following items before installation:

- A copy of the VMware ESXi 4.0 Installable installation documentation.
- A monitor, a USB keyboard, and a mouse connected to rear USB ports of the server (not required if you are using a remote console).
- A copy of the VMware installation file, located in one of the following (bootable) locations:
 - An external USB DVD/CD-ROM drive connected to the server.
 - A DVD/CD-ROM drive, or an ISO file connected through a remote console.

- 1 **Configure the server and boot it from the distribution media as described in “[Booting From OS Distribution Media](#)” on page 15.**

The server boots from the distribution media.

- 2 **Complete the VMware installation.**

Refer to the VMware ESXi 4.0 Installable documentation to guide you through the installation process.

▼ How to Update VMware ESXi 4.0 Installable

- 1 **Check the VMware web site to see if any updates are available.**

<http://www.vmware.com/support/>

- 2 **Download and install any updates as described on the VMware web site.**

Booting From OS Distribution Media

This topic describes how to boot from an OS distribution media (CD or DVD) or an equivalent ISO file. It contains the following topics.

- [“How to Boot From OS Media Locally” on page 15](#)
- [“How to Boot From OS Distribution Media or ISO File Remotely” on page 16](#)

When you are done, control passes from the BIOS to the OS installation procedures. Follow the steps in your OS installation guide.

▼ How to Boot From OS Media Locally

1 Connect to the console.

For more information, see [“Connecting to the System Console” in *Sun Fire X4800 Server Installation Guide*](#).

2 Power on or reset the server.

BIOS messages appear on the console.

3 Insert the distribution media.

Additional BIOS messages appear on the console.

4 When you see a message offering a series of selections, press F8.

Initializing USB Controllers .. Done.

Press F2 to run Setup (CTRL+E on Remote Keyboard)

Press F8 for BBS POPUP (CTRL+P on Remote Keyboard)

Press F12 to boot from the network (CTRL+N on Remote Keyboard)

After a delay, a menu offers a selection of boot devices.

```
      Please select boot device:
-----
USB CD/DVD
PXE:IBA GE Slot 1000 v1331
PXE:IBA GE Slot 1001 v1331
PXE:IBA GE Slot 4100 v1331
PXE:IBA GE Slot 4101 v1331
PXE:IBA GE Slot 8100 v1331
```

```
PXE:IBA GE Slot 8101 v1331
PXE:IBA GE Slot C100 v1331
PXE:IBA GE Slot C101 v1331
```

5 Select CD/DVD from the list.

Control passes to the OS installation program on the media.

6 Follow the steps in your vendor's OS Installation guide.

▼ How to Boot From OS Distribution Media or ISO File Remotely

You can boot from the physical media (CD or DVD) or from an equivalent ISO image.

1 If you are using a CD or DVD, insert it in the CD/DVD drive.

2 Start and configure a remote console session.

For more information, see “[Communicating With the ILOM and the System Console](#)” in *Sun Fire X4800 Server Installation Guide*.

a. Connect to the console.

b. When the Remote Console window appears, open the Devices menu and select:

- CD-ROM if you are using physical media.
- CD-ROM Image if you are using an ISO file.

c. If Keyboard and Mouse are not selected, select them as well.

Your remote console session is configured.

3 Power on or reset the server.

BIOS messages appear on the console.

4 When you see a message offering a series of selections, press F8.

```
Initializing USB Controllers .. Done.
Press F2 to run Setup (CTRL+E on Remote Keyboard)
Press F8 for BBS POPUP (CTRL+P on Remote Keyboard)
Press F12 to boot from the network (CTRL+N on Remote Keyboard)
```


After a delay, a menu offers a selection of boot devices.

```
      Please select boot device:
-----
Virtual CD/DVD
PXE:IBA GE Slot 1000 v1331
PXE:IBA GE Slot 1001 v1331
PXE:IBA GE Slot 4100 v1331
PXE:IBA GE Slot 4101 v1331
PXE:IBA GE Slot 8100 v1331
PXE:IBA GE Slot 8101 v1331
PXE:IBA GE Slot C100 v1331
PXE:IBA GE Slot C101 v1331
-----
```

5 Select a boot device from the list.

To boot from a physical CD/DVD or from an ISO image, select CD/DVD.

Control passes to the OS installation program on the media.

6 Follow the steps in your vendor's OS installation guide.

