

# Sun Fire™ X4540 Server Getting Started Guide

This document contains basic information on setting up the Sun Fire X4540 server. Detailed installation information can be found in the orderable option, *Sun Fire X4500/X4540 Installation Guide*, (820-4855). Additional Sun Fire X4540 server documentation is available at:

<http://docs.sun.com/app/docs/prod/sf.x4540>

## Safety and Compliance Information

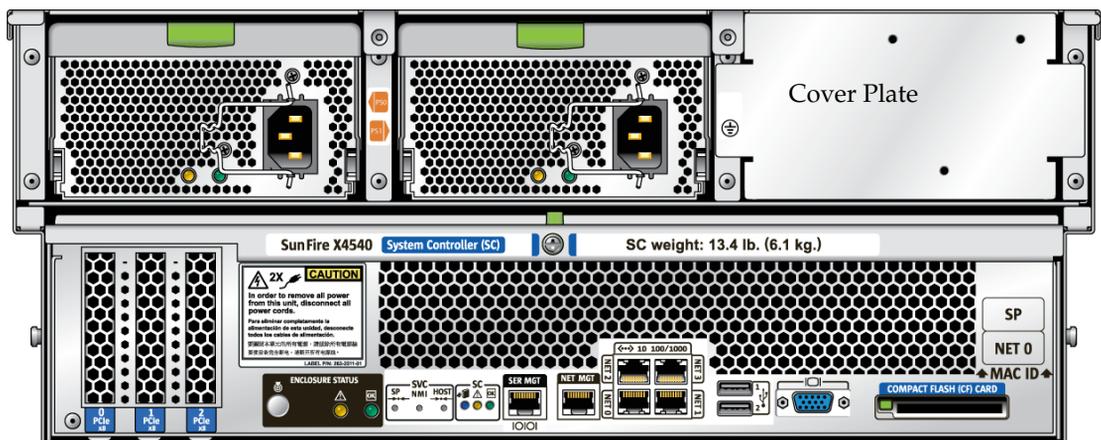
Before performing an installation of the Sun Fire X4540 server, refer to the *Safety and Compliance Guide* and the *Important Safety Information for Sun Hardware Systems*, (included in the ship kit).

## Connecting the Cables

After unpacking and rack mounting the system, attach cables to the available input-output (I/O) ports on the Sun Fire X4540 server. Attach cables to the back panel connectors of your server as required. See [FIGURE 1](#).

**FIGURE 1** Sun Fire X4540 Server Back Panel

**Note** – The PSU cover plate will be updated.



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## Powering On and Powering Off the Server

The server has two levels of power: standby power and main power. For initial configuration of the service processor (SP), you need to apply standby power. The procedures for powering on to main power mode and for shutting down from main power mode are also included in this section.

### To Apply Standby Power for Initial Service Processor (SP) Configuration

Use this procedure to apply standby power to SP before initial configuration.



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**Caution** – Do not operate the server without all fans, component heatsinks, air baffles, and covers installed. Severe damage to server components can occur if the server is operated without adequate cooling mechanisms.

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1. Connect a grounded AC power cord into the two AC power connectors on the back panel of the server and into grounded AC (200 VAC to 240 VAC) power outlets.

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**Note** – This system is shipped for operation at 220 VAC. 110 VAC operation with a third PSU will be available as an orderable option.

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Continue with initial software setup tasks, as explained in [“Connecting to the ILOM Service Processor” on page 3](#)

### ▼ Powering On Main Power Mode

1. Verify that power cords have been connected and that standby power is on. In standby power mode, the Power/OK LED on the front panel blinks.

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**Note** – See the service label on the hard disk drive access cover for an explanation of the LEDs on the hard disk drives, fans, power supply, and system controller.

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2. Use a stylus to press and release the recessed Power button on the server front panel.

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**Note** – When main power is applied to the server, the Power/OK LED next to the Power button lights and remains lit. The power-on self-test (POST) can take up to a minute to complete.

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### ▼ Powering Off the Server

To power off the server from main power mode, use one of the following two methods:

- **Graceful shutdown:** Use a stylus to press and release the Power button on the front panel. This causes Advanced Configuration and Power Interface (ACPI) enabled operating systems to perform an orderly shutdown of the operating system. Servers not running ACPI-enabled operating systems will go to standby power mode immediately.
- **Emergency shutdown:** Press and hold the Power button for four seconds to force the main power off and to enter standby power mode. When main power is off, the Power/OK LED on the front panel will begin blinking, indicating that the server is in standby power mode.



**Caution** – To power off the server completely, you must disconnect the AC power cords from the power supplies at the rear of the server.

## Connecting to the ILOM Service Processor

Integrated Lights Out Manager (ILOM) is system management firmware that is preinstalled on your server. ILOM enables you to manage and monitor components installed in your server system.

Use one of the following methods to connect to the ILOM SP to perform initial setup and configuration.

- Connect to ILOM using a Serial Connection
- Connect to ILOM using an Ethernet Connection (DHCP)
- Connect to ILOM using a Static IP Address

Detailed installation information can be found in the orderable option, *Sun Fire X4500/X4540 Installation Guide*.

## Supported Operating Systems

Operating System	Read the following...
Preinstalled Solaris 10 OS	<i>Sun Fire X4500/X4540 Server Installation Guide</i> .
Solaris and Linux	<i>Sun Fire X4500/X4540 Server Operating System Installation Guide</i>
Windows	<i>Sun Fire X4500/X4540 Server Windows Operating System Installation Guide</i>
Sun Installation Assistant for Windows and Linux	<i>Sun Installation Assistant for Windows and Linux User's Guide</i> . Provides detailed information about installing supported operating systems on Sun Fire rack mounted servers

See the Sun Fire X4540 Server documentation at: <http://docs.sun.com/app/docs/prod/sf.x4540>

	x4540 Server Documentation	Description	Available	Part Number
Release Documentation	<i>Sun Fire X4540 Server Getting Started Guide</i>	This document	Printed and online	820-4854
	<i>Sun Fire X4540 Server Product Notes</i>	Review of known issues and workarounds.	Online	820-4869
Integrated Lights Out Manager (ILOM)	<i>Integrated Lights Out Manager (ILOM) User's Guide</i>	Manage server accounts, monitor alerts, set remote access.	Online	820-1188
	<i>Addendum to the Sun Integrated Lights Out Manager 2.0 User's Guide</i>	Information on ILOM features incorporated since the initial release of ILOM 2.0 firmware	Online	820-4198
	<i>Integrated Lights Out Manager (ILOM) Supplement</i>	Information on using ILOM on the X4540 Server.	Online	819-4361

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See the Sun Fire X4540 Server documentation at: <http://docs.sun.com/app/docs/prod/sf.x4540>

	<b>x4540 Server Documentation</b>	<b>Description</b>	<b>Available</b>	<b>Part Number</b>
Maintenance and Operations Documentation	<i>X64 Servers Utilities Reference Manual</i>	Instructions for using the applications and utilities common to many x64 servers.	Online	820-1120
	<i>Sun Fire X4500/X4540 Server Service Manual</i>	Install or replace hardware components. Customize BIOS settings. Remove and replace hardware components.	Online	819-4359
	<i>Sun Fire X4500/X4540 Server Safety and Compliance Guide</i>	Review of safety information.	Online	820-4776
	<i>Sun Fire X4500/X4540 Server Diagnostics Guide</i>	Troubleshoot and isolate server problems, with available diagnostic tools and logs.	Online	819-4363
	<i>Sun Fire X4500/X4540 Server Administration Guide</i>	Manage the server, including hard disk drives.	Online	819-6562
Installation Documentation	<i>Solaris ZFS Administration Guide</i>	How to administer the ZFS (zettabyte file system).	Online	819-5461
	<i>Sun Installation Assistant for Windows and Linux User's Guide</i>	Provides detailed information about installing supported operating systems on Sun Fire rack mounted servers.	Online	820-3357
	<i>Sun Fire X4500/X4540 Installation Guide</i>	Install, determine network settings, configure the preinstalled Solaris operating system.	Online and orderable printed option	820-4855
	<i>Sun Fire X4500/X4540 Server Operating System Installation Guide</i>	Install Solaris operating system and supported Linux operating systems	Online	820-4893
	<i>Sun Fire X4500/X4540 Server Windows Operating System Installation Guide</i>	Install supported Windows OS	Online	820-0407
	<i>X4500-J Slide rail Installation Guide</i>	How to install a Sun system into a rack with the X-4500 J slide rail system.	Online	820-1858

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## Sun Online

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Where To Find...	URL or Document
Current online documentation	<a href="http://docs.sun.com/app/docs/prod/sf.x4540">http://docs.sun.com/app/docs/prod/sf.x4540</a>
Contacting Sun Technical Support for questions about this product	<a href="http://www.sun.com/service/contacting">http://www.sun.com/service/contacting</a>
Translated versions of some documents	<a href="http://docs.sun.com">http://docs.sun.com</a> Select a language from the drop-down list and navigate to the Sun Fire X4540 Server document collection.
Where to submit your comments and suggestions to Sun	To submit comments go to: <a href="http://www.sun.com/hwdocs/feedback">http://www.sun.com/hwdocs/feedback</a> and click on the Feedback Link to open the form. Please include the title and part number of your document.
For firmware and software updates	<a href="http://www.sun.com/download/index.jsp">http://www.sun.com/download/index.jsp</a>

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