



Sun Fire™ V440 Server 2-Post Rackmounting Guide

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Preface

The *Sun Fire V440 Server 2-Post Rackmounting Guide* provides instructions on how to install a Sun Fire™ V440 server into a 2-post rack. Instructions for installing the server into a 4-post rack are included in the *Sun Fire V440 Server Installation Guide*.

How This Book Is Organized

This guide consists of a single chapter, and replaces all rackmounting and cable management arm instructions in the *Sun Fire V440 Server Installation Guide*. After completing installation of the server into a 2-post rack, however, you must use the *Sun Fire V440 Server Installation Guide* to complete server installation.

Related Documentation

Application	Title	Part Number
Late-breaking product information	<i>Sun Fire V440 Server Product Notes</i>	816-7733
Cabling and power-on overview	<i>Sun Fire V440 Server Setup: Cabling and Power On</i>	816-7734
System installation	<i>Sun Fire V440 Server Installation Guide</i>	816-7727
Administration	<i>Sun Fire V440 Server Administration Guide</i>	816-7728
Parts installation and removal	<i>Sun Fire V440 Server Parts Installation and Removal Guide</i>	816-7729
Diagnostics and troubleshooting	<i>Sun Fire V440 Server Diagnostics and Troubleshooting Guide</i>	816-7730
Sun Advanced Lights Out Manager (ALOM) system controller	<i>Sun Advanced Lights Out Manager (ALOM) Online Help</i>	817-1960

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Installing a Sun Fire V440 Server Into a 2-Post Rack

This chapter provides step-by-step instructions for installing a Sun Fire V440 server into a 2-post rack.

Note – When a Sun Fire V440 server is installed into a 2-post rack, only the disk drives and power supplies are serviceable in the rack. You need to remove the server from the rack to service any other component. See the *Sun Fire V440 Server Parts Installation and Removal Guide* for more information.

This chapter contains the following procedures and information:

- “Checklist of 2-Post Rackmounting and Setup Tasks” on page 2
- “Inventory for 2-Post Rackmounting” on page 3
- “Attach the Mounting Brackets to the Chassis” on page 4
- “Locate the Mounting Holes” on page 5
- “Install the Mounting Screws” on page 6
- “Install the Server Into the Rack” on page 7
- “Install the Server Into a Populated Rack” on page 8

Checklist of 2-Post Rackmounting and Setup Tasks

TABLE 1 Overview of 2-Post Rackmounting and Setup Steps

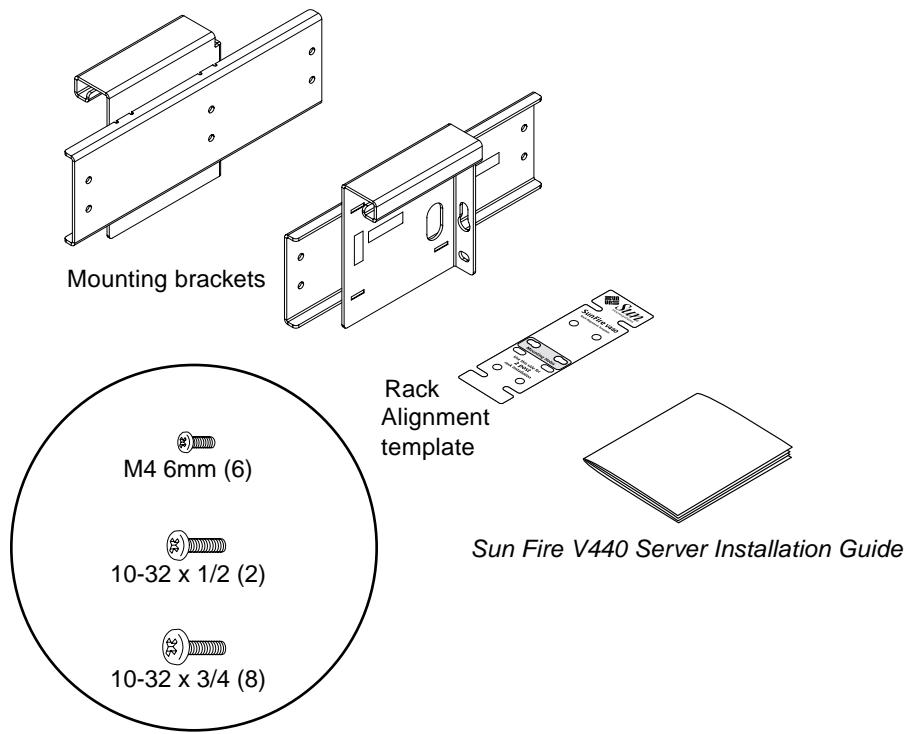
Step	Task	Refer To
1	Unpack the rackmounting kit and verify the contents.	“Inventory for 2-Post Rackmounting” on page 3
2	Attach the brackets to the server.	“Attach the Mounting Brackets to the Chassis” on page 4
3	Locate the mounting holes.	“Locate the Mounting Holes” on page 5
4	Install the mounting screws.	“Install the Mounting Screws” on page 6
5	Install the server into the rack.	“Install the Server Into the Rack” on page 7

If you are installing the server into a *populated* rack, see the section, “Install the Server Into a Populated Rack” on page 8.

After completing the tasks in this guide, you are ready to connect cables and cords and then power on the server. For those instructions, turn to the *Sun Fire V440 Server Installation Guide* on your Documentation CD. Begin with the section, “Install Optional Components” in Chapter 2.

Inventory for 2-Post Rackmounting

You need one 2-post rackmounting kit for each Sun Fire V440 server you intend to install into a rack. You also need the *Sun Fire V440 Server Installation Guide* from the Documentation CD and the Rack Alignment template from the ship kit.

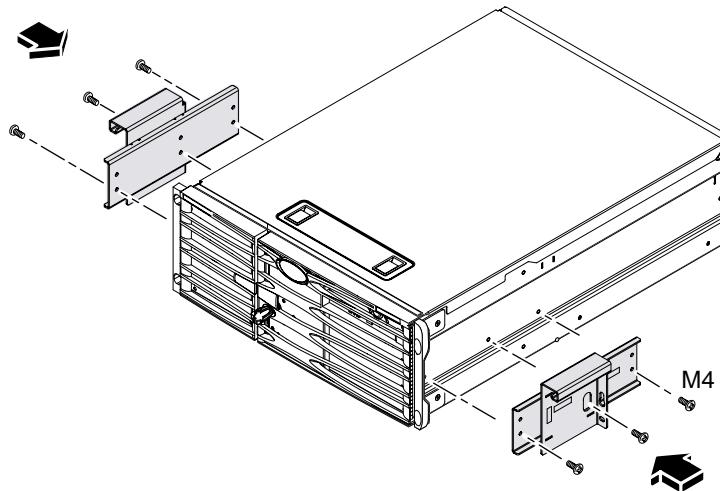


Tool Required

- Screwdriver, long, Phillips No. 2

Attach the Mounting Brackets to the Chassis

- Using three M4 screws for each bracket, attach the mounting brackets to the chassis.

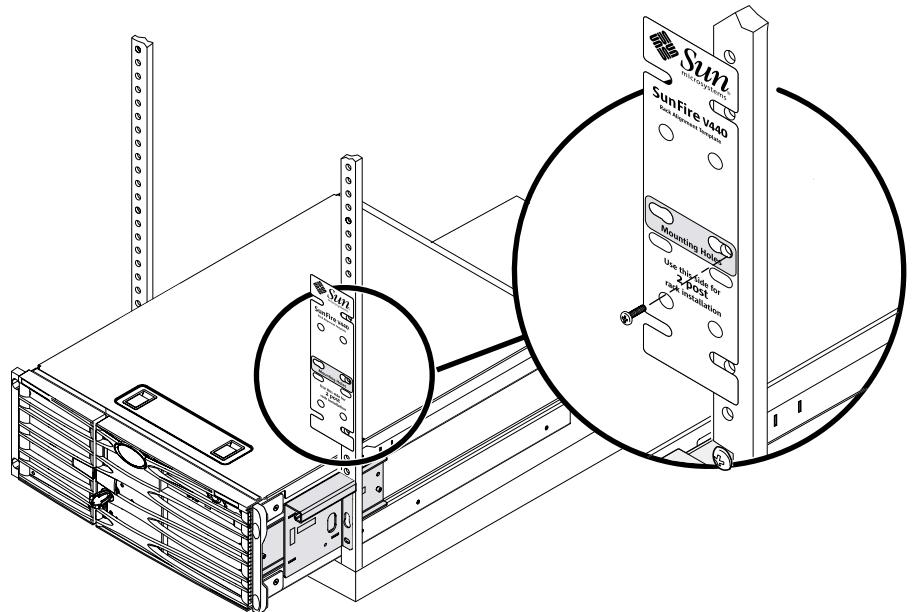


Locate the Mounting Holes

- Use the Rack Alignment template to locate and mark the holes for the mounting screws on each vertical rack rail. Allow four rack unit spaces (7.0 inches/17.8 cm) per server.

To use the Rack Alignment template, complete these steps:

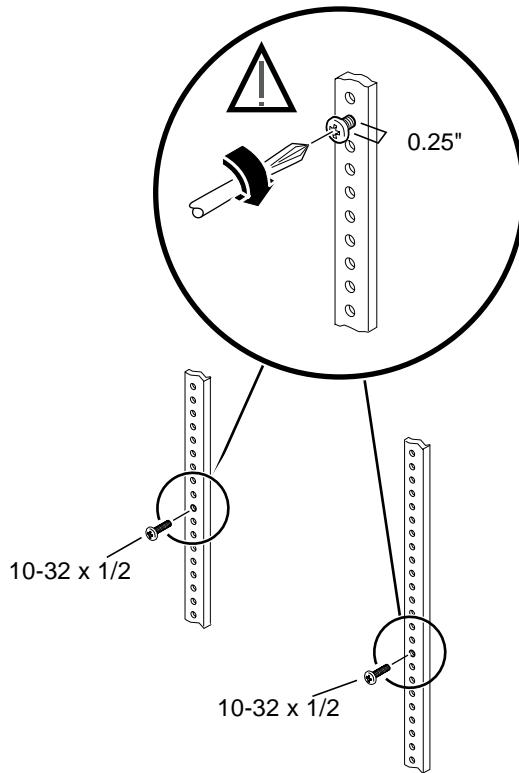
- a. Place the Rack Alignment template over the vertical rack rail, with the side marked for 2-post rack installation facing out.
- b. Place the Rack Alignment template in the space where the server will be installed, lining up the bottom of the Rack Alignment template with the top of the server below. See next figure.
- c. Adjust the Rack Alignment template so that the mounting hole is centered on a rack rail hole and mark that rail hole.



Install the Mounting Screws

- **Install one 10-32 x 1/2 screw on the left and one 10-32 x 1/2 screw on the right vertical rack rails.**

Use the holes you marked in the previous step. Do not fully tighten the screws until after you install the server. Leave a 0.25-inch (0.64-cm) gap between the head of each screw and the rack rail.



Install the Server Into the Rack



Caution – Before you install or remove the server from the rack, be sure the rack is stabilized so that it cannot move or tip forward. See the rack documentation for information about stabilizing the rack.

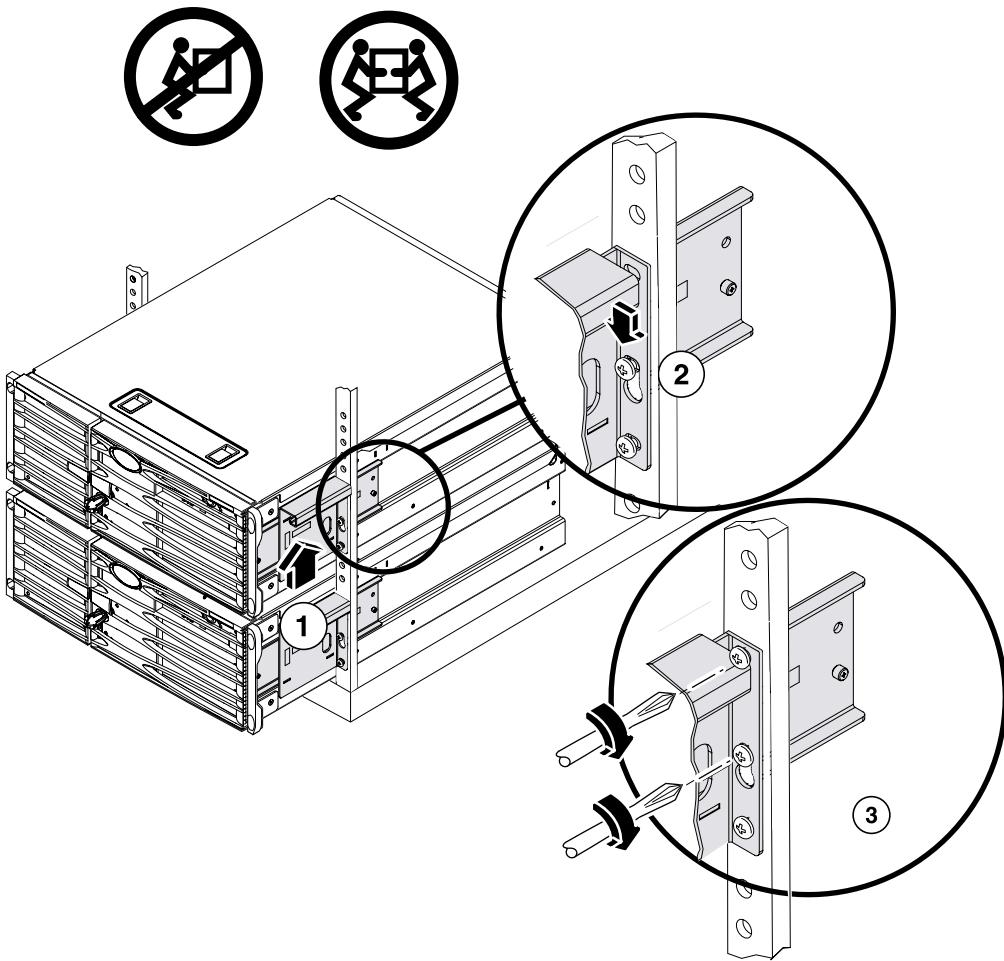


Caution – The server is heavy. Two persons are required to move the server.

1. With one person on each side of the server, lift the server and approach the rack with the back of the server facing the front of the rack.
2. Lift the server up and over the mounting screw on each side of the vertical rack rail so that the large hole clears the head of the screw.

Slide the server down so that the server rests on the mounting screws.

- 3.** Use six 10-32 screws, two screws and the mounting screw on each side, to secure the server to the vertical rack rails.



Install the Server Into a Populated Rack

Attach the mounting brackets to the chassis using three M4 screws for each bracket. See "Attach the Mounting Brackets to the Chassis" on page 4 for instructions.

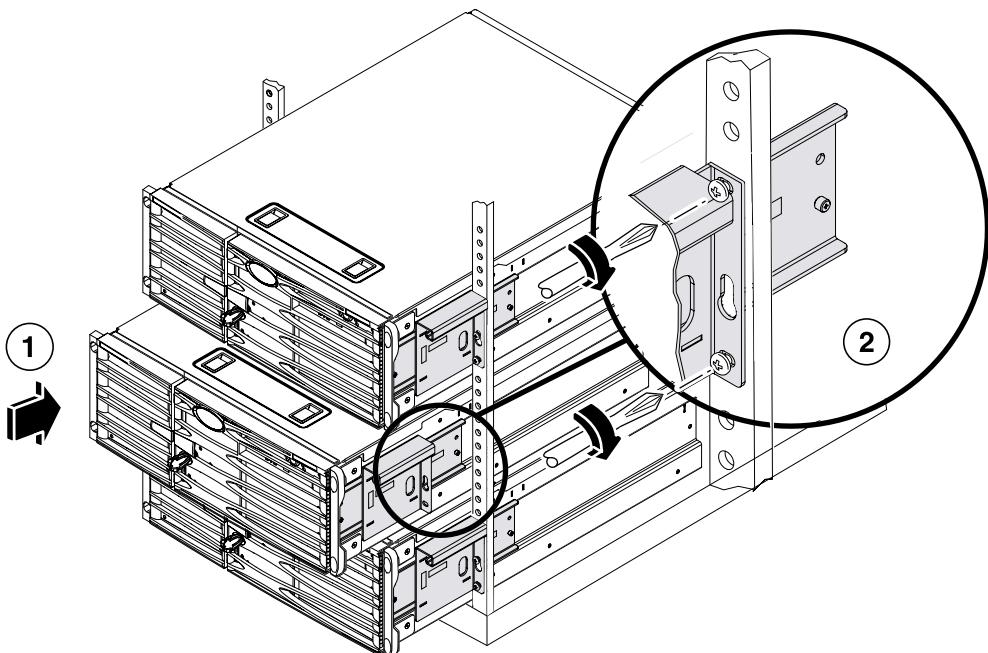


Caution – When installing or removing the server from a populated 2-post rack, be sure to support the weight of the server, so that you do not damage the component installed below it in the rack.

1. Slide the server into the open position in the rack.

Allow four rack unit spaces (7.0 inches/17.8 cm) per server.

2. Using a Phillips No. 2 screwdriver, secure the top and bottom screws to the left and the right vertical rack rails.



What Next

The next steps are to connect the power cords and Ethernet cables, and then to power on the server. See the *Sun Fire V440 Server Installation Guide*, beginning with the section, “Install Optional Components” in Chapter 2.