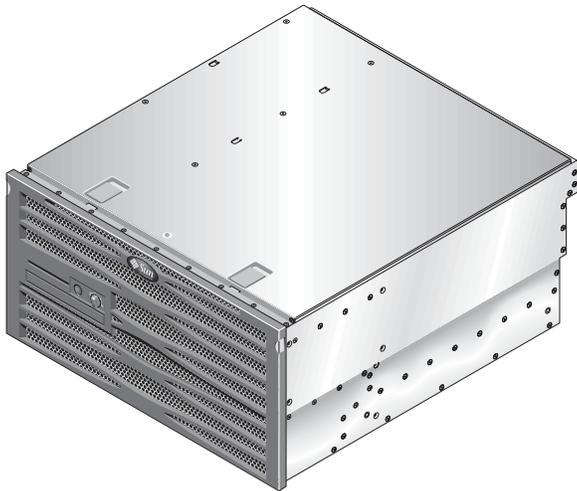# Netra™ 440 Server Quick Start Guide

Introduction

This guide presents an overview of the Netra™ 440 server installation.

For complete installation instructions, refer to the *Netra 440 Server Installation Guide*.
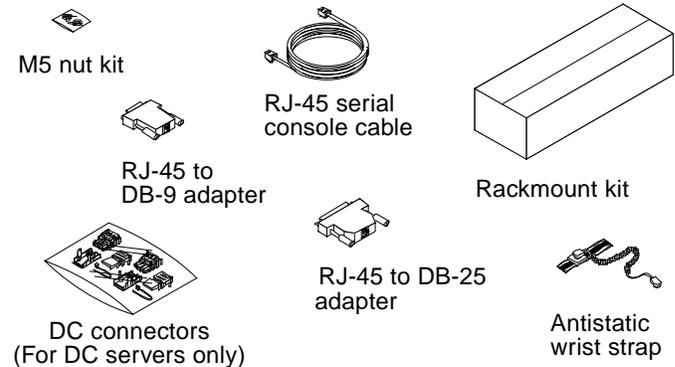
Documentation

You can view, print, or download manuals from the Sun™ documentation web site:
`http://www.sun.com/documentation`

- *Netra 440 Server Release Notes* (817-3885-xx)

  Latest product updates

- *Netra 440 Server Product Overview* (817-3881-xx)

  Product overview information

- *Netra 440 Server Installation Guide* (817-3882-xx)

  Detailed rackmounting, cabling, power-on, and configuring information

- *Netra 440 Server Service Manual* (817-3883-xx)

  Service information

- *Netra 440 Server System Administration Guide* (817-3884-xx)

  Administration information

- *Netra 440 Server Diagnostics and Troubleshooting Guide* (817-3886-xx)

  Diagnostics and troubleshooting information

- *Sun Advanced Lights Out Manager User's Guide for the Netra 440 Server* (817-5481-xx)

  Advanced Lights Out Manager (ALOM) software information

- *Netra 440 Server Safety and Compliance Manual* (817-6225-xx)

  Essential safety and compliance information

Shipment Contents

Besides the server (shown on the left), the ship kit contains:

M5 nut kit

RJ-45 serial console cable

RJ-45 to DB-9 adapter

Rackmount kit

RJ-45 to DB-25 adapter

DC connectors (For DC servers only)
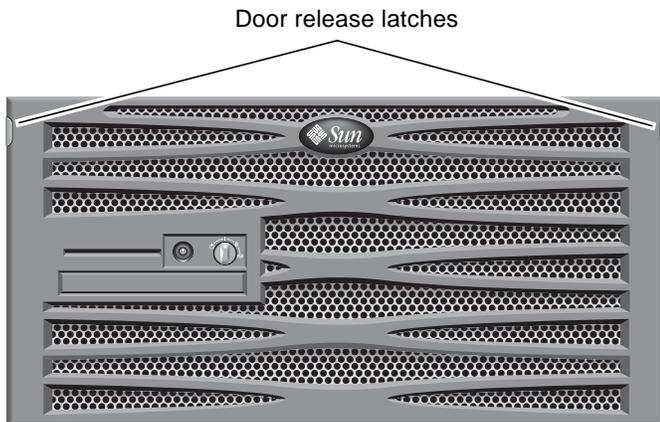
Antistatic wrist strap

Note – The DC connectors are for the DC-powered servers only. Use the separately ordered AC cables with the AC-powered server.
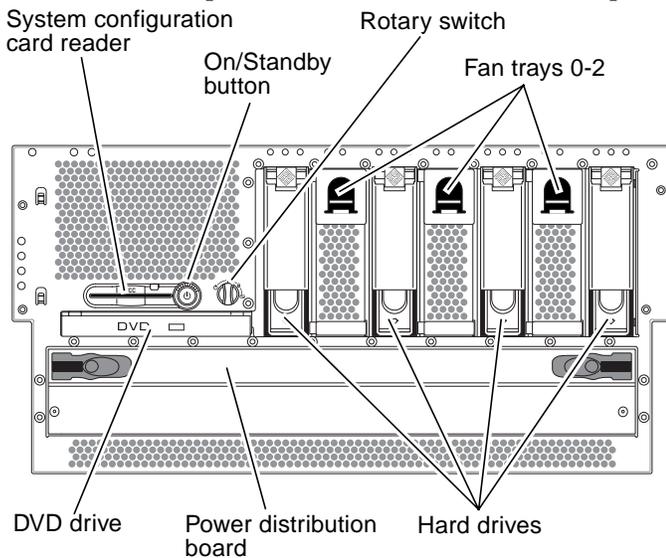
The shipment also contains these documents: *Important Safety Information for Sun Hardware* (816-7190-xx), *Sun Netra 440 Server Product Documentation* (817-4755-xx), *Binary Code Licenses* (816-4835-xx), *Sun Install Check Tool* (817-0440-xx), and this guide.

1. Viewing Front Components

1. **Press in on the door release latches to lower the front door.**

Door release latches

2. **View the components accessible from the front panel.**

System configuration card reader

On/Standby button

Rotary switch

Fan trays 0-2

DVD
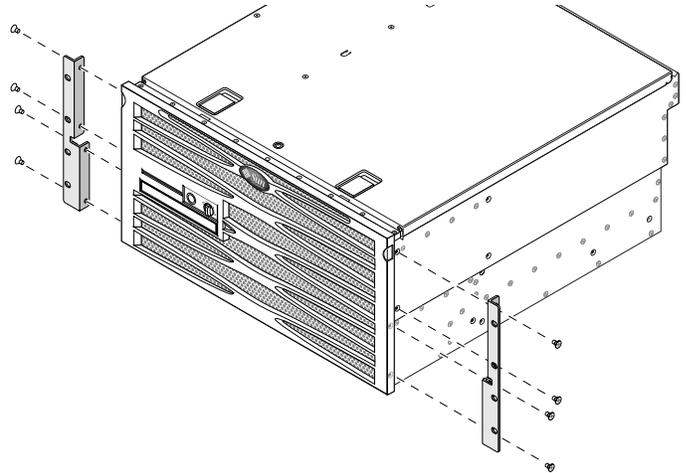
DVD drive

Power distribution board

Hard drives

2. Mount Server to Rack

Detailed instructions on mounting the server in a rack are in the *Netra 440 Server Installation Guide*. The following rack mount kits are available for the Netra 440 server.
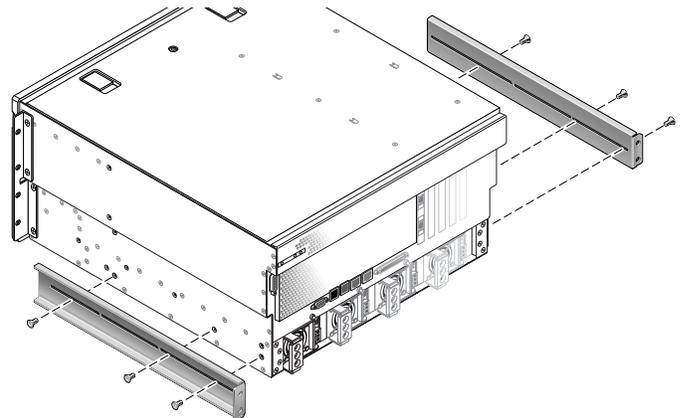
- 19-inch 4-post sliding or hardmount
- 19-inch 2-post hardmount
- 23-inch 2-post hardmount
- 600 mm 4-post hardmount

Following are the basic instructions for the 19-inch 4-post hardmount rack mount kit:
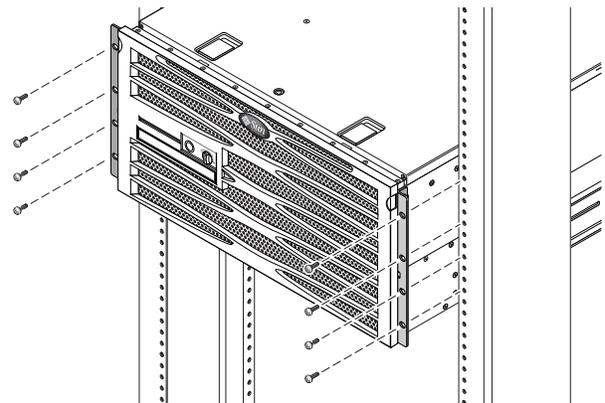
1. **Get the front hardmount brackets from the rack kit and secure the front brackets to the sides of the server.**
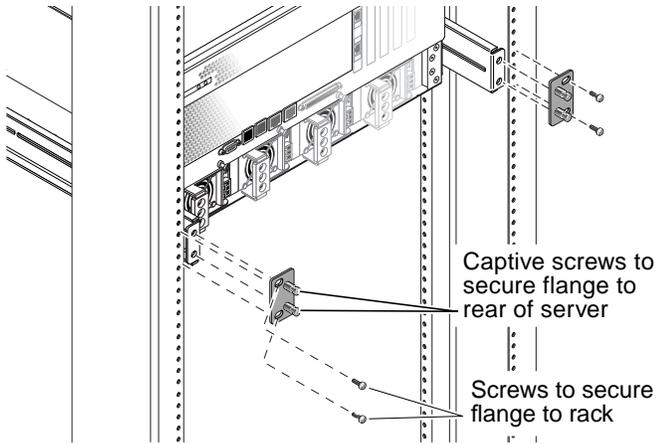
2. **Get the two rear mount support brackets from the rack kit and install the rear mount support brackets at the rear of the server.**

3. **Lift the server to the desired location in the rack.**

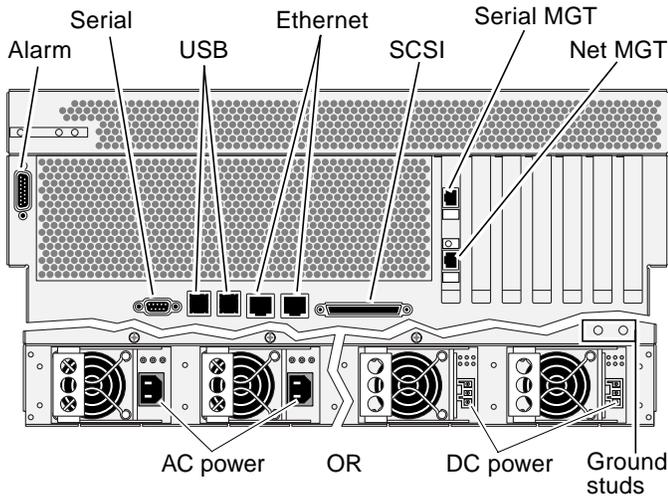4. **Secure the front hardmount brackets attached to the sides of the server to the front of the rack.**

5. **Get the two rear mount flanges from the rack kit and, at the rear of the rack, use the two captive screws to secure the two rear mount flanges to the rear mount support brackets that are attached to the server.**

Captive screws to secure flange to rear of server

Screws to secure flange to rack

6. **Using two screws for each rear mount support bracket, secure the rear mount support brackets to the rear of the rack.**

3. Attach Cables

Alarm Serial USB Ethernet SCSI Serial MGT Net MGT

AC power OR DC power Ground studs

You cannot mix AC and DC power supplies in the same server

Alarm

DB-15 connector; use this port to connect to the central office alarming system.

Serial

DB-9 connector; use this port (TTYB) for general purpose serial data transfer.

USB

Use the ports (USB0–3) to connect to external USB devices.

Ethernet

RJ-45 connectors; use these ports (NET0, NET1) to connect to autonegotiating 10/100/1000BASE-T Ethernet networks.

SCSI

Ultra320 LVD SCSI connector; use this port to connect to external SCSI devices.

SERIAL MGT

RJ-45 connector; use this serial port for server management using the ALOM software. If needed, use the supplied RJ-45 to DB-9 or RJ-45 to DB-25 adapters.

NET MGT

RJ-45 connector; use this port for making an Ethernet connection to the ALOM software.

AC Power (AC Server Only)

Connect the AC power cords to the AC power source.

DC Power (DC Server Only)

Assemble DC connectors and connect to DC power source.
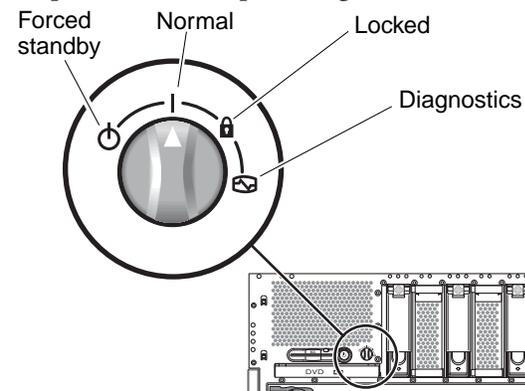
Ground Studs (DC Server Only)

Connect to protected earth ground.

Note – Refer to the *Netra 440 Server Installation Guide* for complete cabling instructions.

4. Power On Server

Note – The server goes into Standby mode as soon as the power cables are connected to the power source.

1. **Make sure the rotary switch is in the Normal (❘) position before powering on the server.**
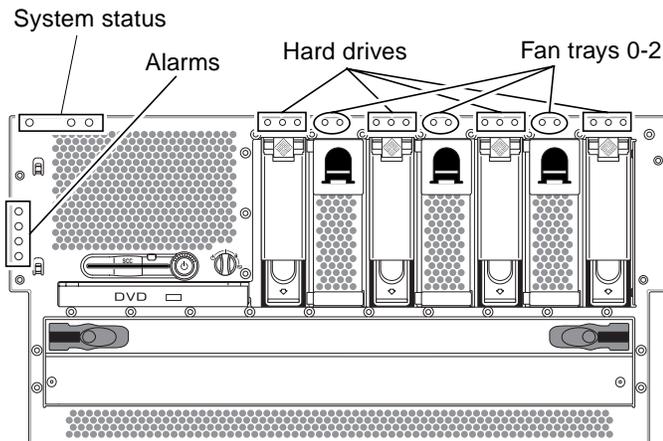
Forced standby   Normal   Locked

Diagnostics

2. **Set up a console connection to the server using the server's SERIAL MGT port.**

   Refer to the *Netra 440 Server Installation Manual* for complete instructions.

3. **Power on server either from the keyboard or by pressing the system power button at the front of the server.**
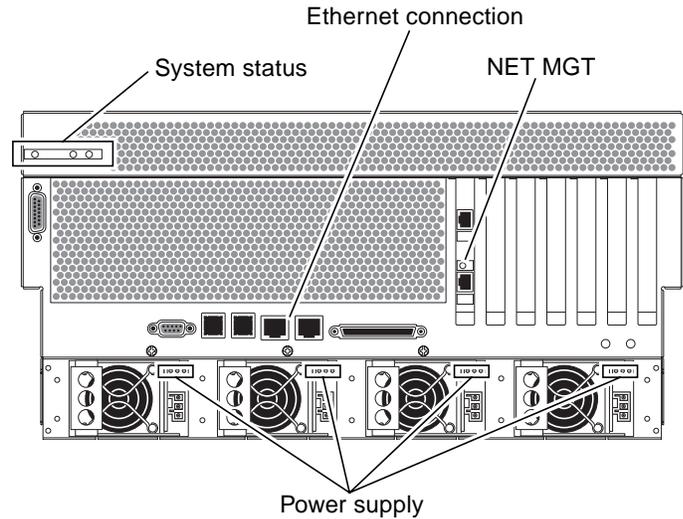
Note – Refer to the *Netra 440 Server Installation Manual* for complete power on and configuration instructions.

Indicator Overview

Front Panel Indicators

System status

Alarms   Hard drives   Fan trays 0-2

DVD

Rear Panel Indicators

Ethernet connection

System status   NET MGT

Power supply

Note – Refer to the *Netra 440 Server Installation Manual* for the description of these indicators.

Sun microsystems