



Sun™ Technical Compute Farm Read Me First

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Nous souhaitons vous remercier de l'investissement de l'Université de Floride dans la réalisation du programme DQS.



Sun Technical Compute Farm Read Me First

This Read Me First contains important information that became known about your Sun™ Technical Compute Farm (Sun TCF) system after the manual set was published. The information is divided into the following topics:

- “Hardware Issues” on page 3
- “For More Information” on page 25
- “Safety Information for the Sun StorEdge Expansion Cabinet” on page 25
- “Declaration of Conformity” on page 25

Hardware Issues

This section discusses the following topics:

- “New Position of Cisco Networking Devices” on page 3
- “Revised Cabling for the Repositioned Cisco Devices” on page 9
- “Removing and Replacing the Rack Front and Back Doors” on page 12
- “Removing and Replacing the Terminal Server(s)” on page 13
- “Removing and Replacing the Ethernet Switches” on page 19

New Position of Cisco Networking Devices

The Cisco C3524 and C3508 Ethernet switches have been repositioned and reversed in the Sun TCF base and star rack configurations. In both configurations, the C3524 is now mounted below the two terminal server units and faces the rear of the rack. For the star rack configuration, the C3508 is mounted below the C3524 and faces the rear of the rack.

The following illustrations replace those found in Section 1.2 of the *Sun Technical Compute Farm Installation and Service Manual*. FIGURE 1 and FIGURE 2 show the new front and back views of the base rack. FIGURE 3 and FIGURE 4 show the front and back views of the star rack.

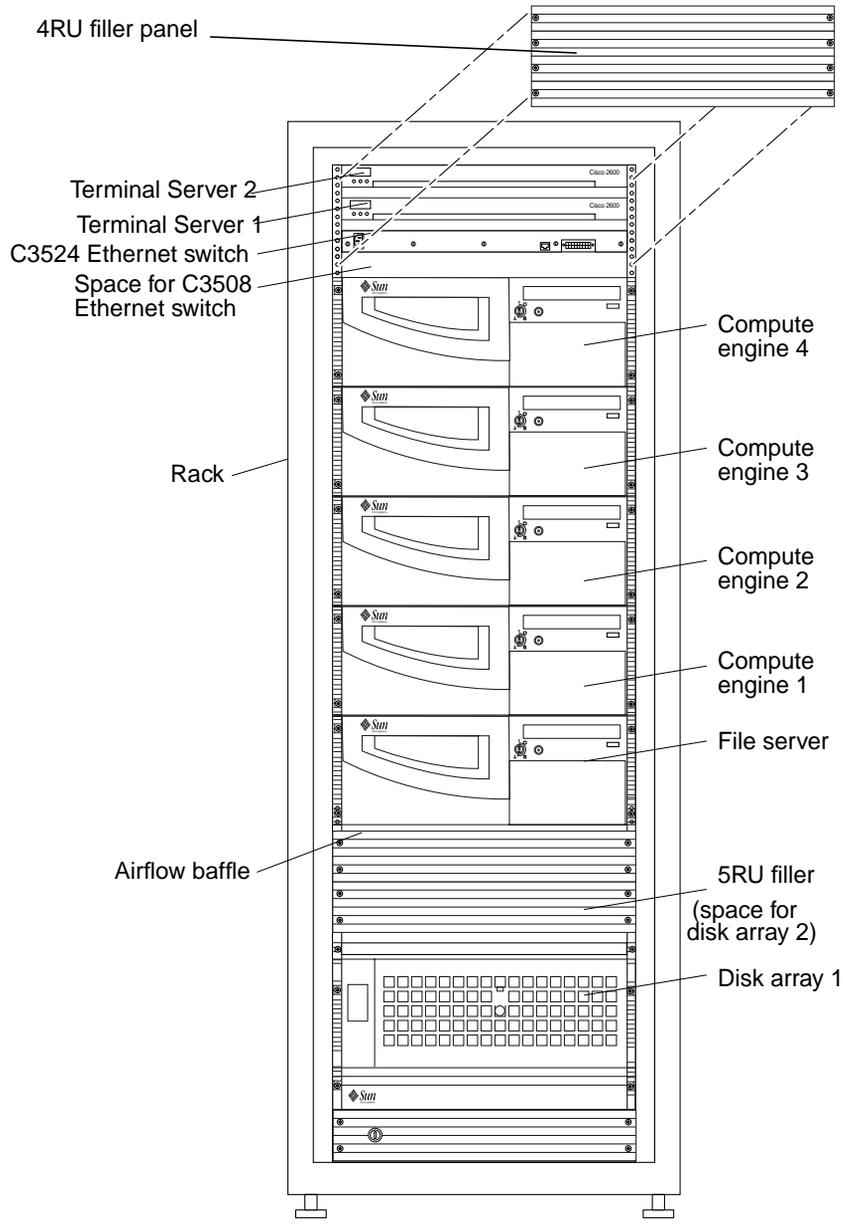


FIGURE 1 Sun TCF Base Rack Front View

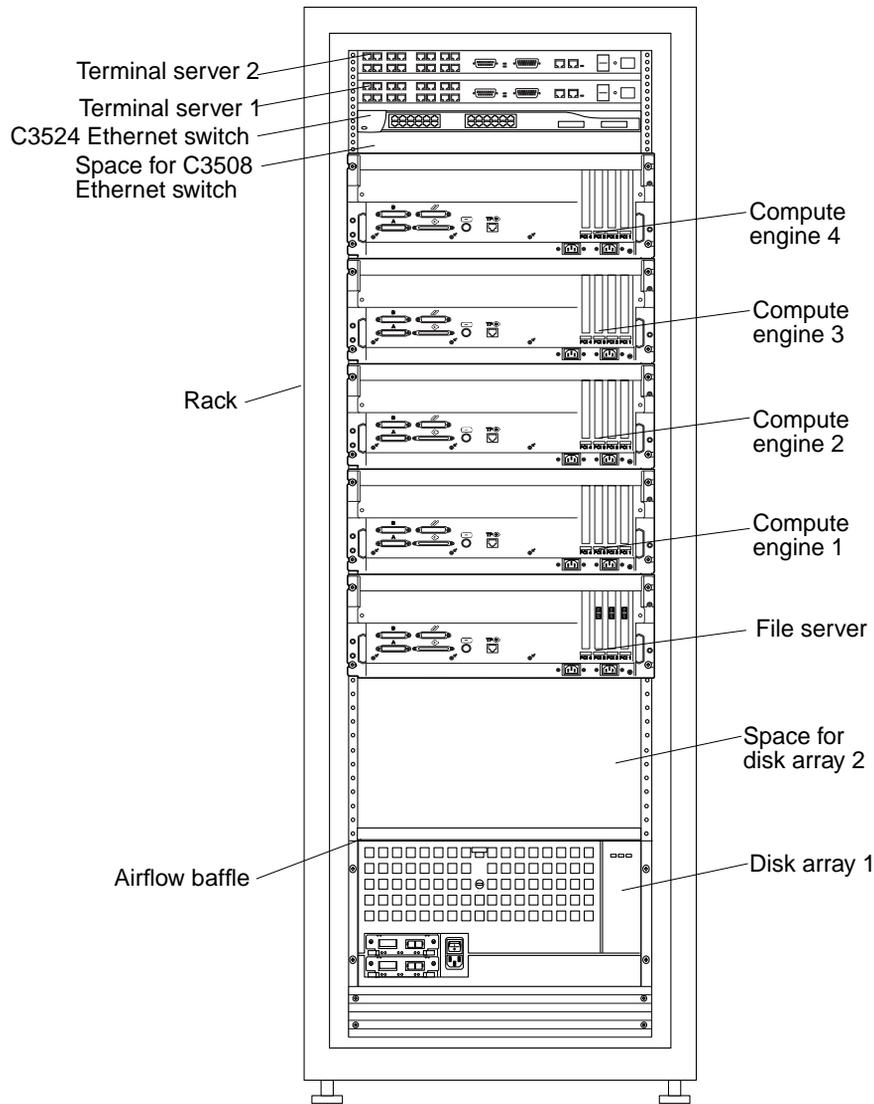


FIGURE 2 Sun TCF Base Rack Back View

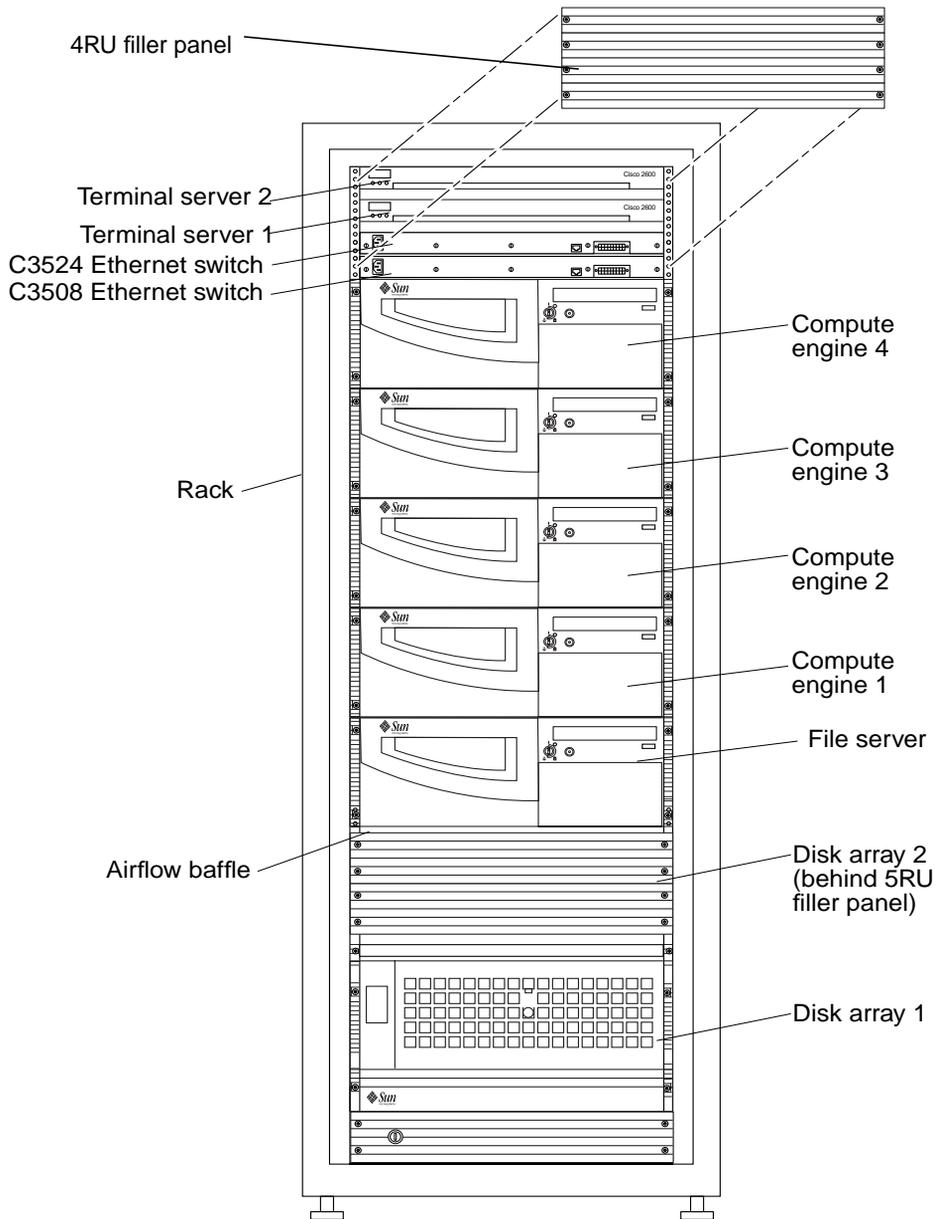


FIGURE 3 Sun TCF Star Rack Front View

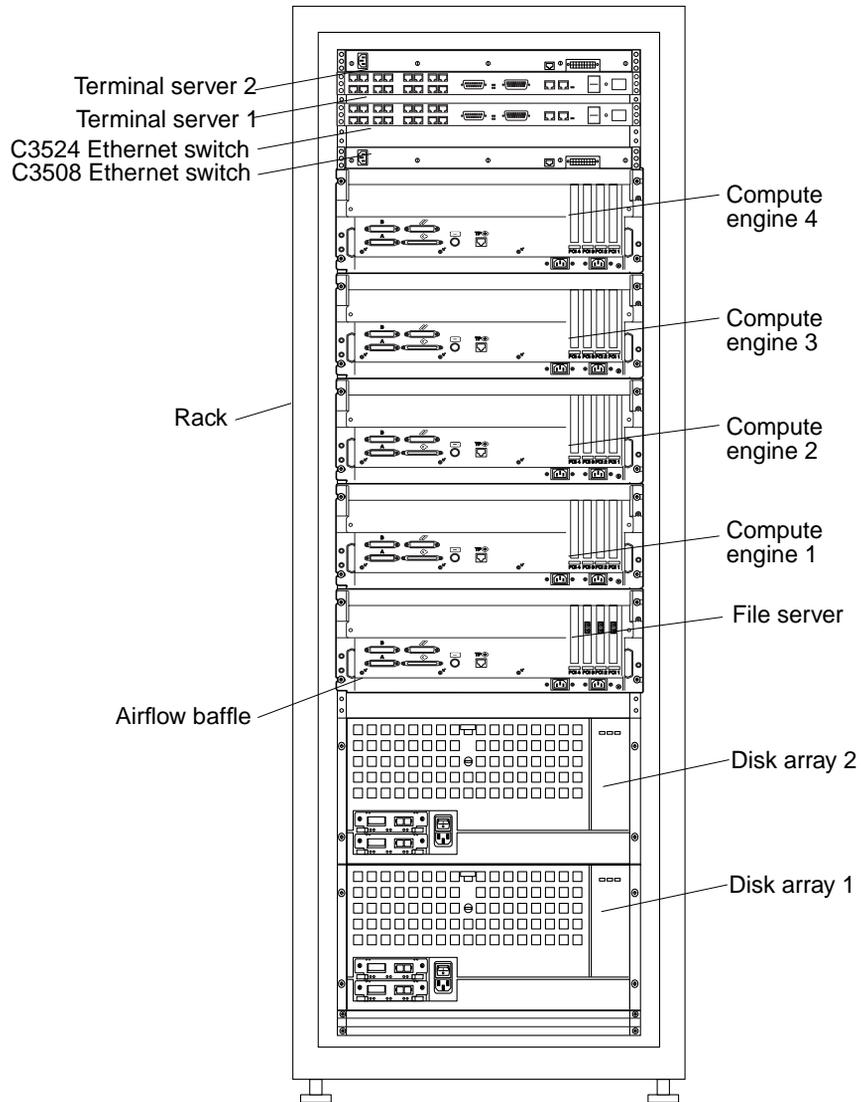


FIGURE 4 Sun TCF Star Rack Back View

Revised Cabling for the Repositioned Cisco Devices

Schematic diagrams have been revised to show the new positioning of the Cisco networking devices. The C3524 and C3508 Ethernet switches are now mounted facing the rear of the rack.

FIGURE 5 replaces Figures 5-2, 5-11, 5-17, and 5-18 in the *Sun Technical Compute Farm Installation and Service Manual*. FIGURE 5 shows revised positioning and cabling for the C3524 and C3508 switches in the base rack configuration.

FIGURE 6 shows revised positioning and cabling for the C3524 and C3508 switches in the star rack configuration. FIGURE 6 replaces Figure 5-22 in the *Sun Technical Compute Farm Installation and Service Manual*.

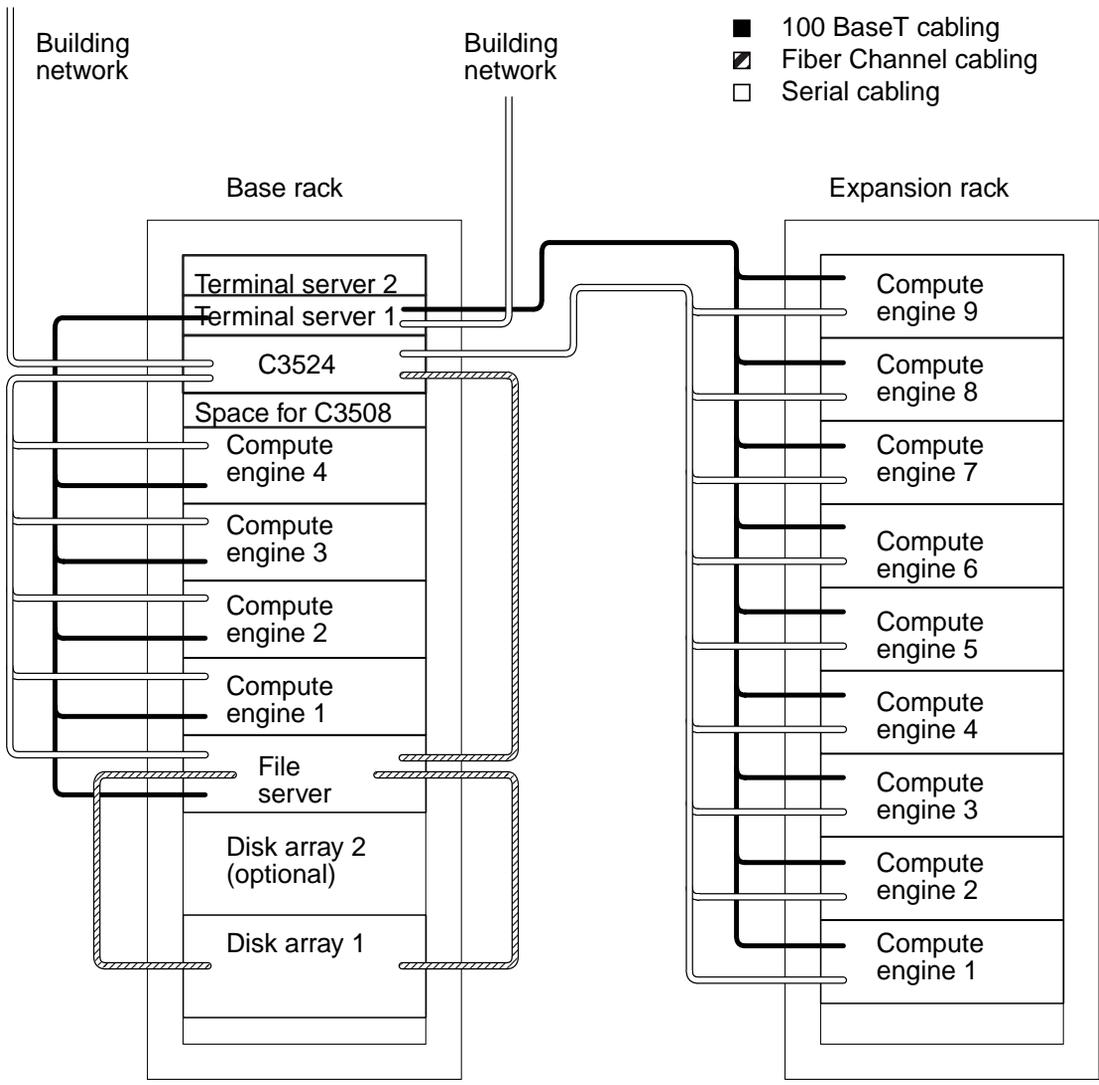


FIGURE 5 Small Farm Configuration

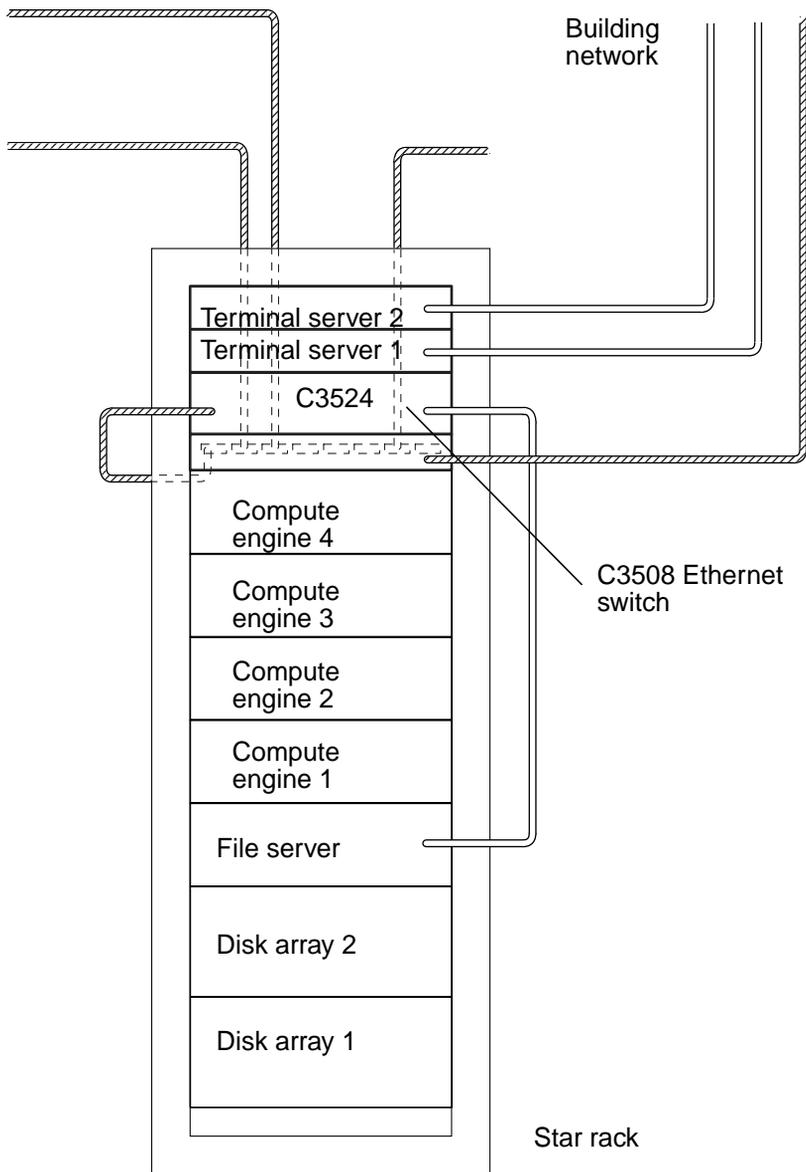


FIGURE 6 Large Farm Configuration

Removing and Replacing the Rack Front and Back Doors

Use the following procedure to remove and replace the rack front and back doors. This section supplements the information in Chapter 3 of the *Sun Technical Compute Farm Installation and Service Manual*.

▼ To Remove a Rack Door

1. **Reach inside the door and push down on the lever attached to the spring of the top hinge pin.**

This causes the hinge pin to retract into the door.

2. **Tilt the door out from the top mounting bracket.**
3. **Remove the door and set it aside.**

▼ To Replace a Rack Door

1. **Tilt the door and insert the bottom hinge pin into the outside hole of the bottom-left mounting bracket.**

2. **Reach inside the door and push down on the lever attached to the spring of the top hinge pin.**

This causes the hinge pin to retract into the door.

3. **Align the top hinge pin with the outside hole of the top-left mounting bracket.**
4. **Release the lever.**

The hinge pin extends into the mounting bracket.

Removing and Replacing the Terminal Server(s)

The following procedure replaces the procedure found in Sections 9.1.1 and 9.1.2 of the *Sun Technical Compute Farm Installation and Service Manual*.

Note – When removing the terminal server(s), a nonconducting step ladder and a flashlight might be required. Refer to the *Cisco AS2509-RJ and AS2511-RJ Access Server Hardware Installation Guide* for complete details.



Caution – Never remove or replace a device when system power is on.

▼ To Remove a Terminal Server

1. **Unlock, open, and remove the rack door(s) as appropriate.**
2. **Power off the system.**

See Chapter 6 in the *Sun Technical Compute Farm Installation and Service Manual*.



Caution – Use proper ESD grounding techniques when handling components. Wear an antistatic wrist strap and use an antistatic mat. Store ESD-sensitive components in antistatic bags before placing them on any surface.

3. **Remove the 4RU filler panel from the front of the rack (above the top compute engine).**
4. **Disconnect the power cable from the terminal server back panel as described in the *Cisco AS2509-RJ and AS2511-RJ Access Server Hardware Installation Guide*.**
5. **From the back of the rack:**
 - a. **Disconnect the terminal server cabling.**

Refer to Chapter 5 in the *Sun Technical Compute Farm Installation and Service Manual*.
 - b. **Using a No. 2 Phillips screwdriver, loosen the back mounting screws securing the terminal server chassis to the mounting plate (FIGURE 7).**
6. **From the front of the rack:**
 - a. **Using a No. 2 Phillips screwdriver, remove the front mounting screws securing the terminal server chassis to the mounting plate (FIGURE 7).**
 - b. **Remove the terminal server from the rack.**

- 7. Set the terminal server on a workbench.**
- 8. Using a No. 2 Phillips screwdriver, remove the two screws securing each front and back mounting bracket from the terminal server (FIGURE 8).**
- 9. Set the mounting brackets and screws aside.**

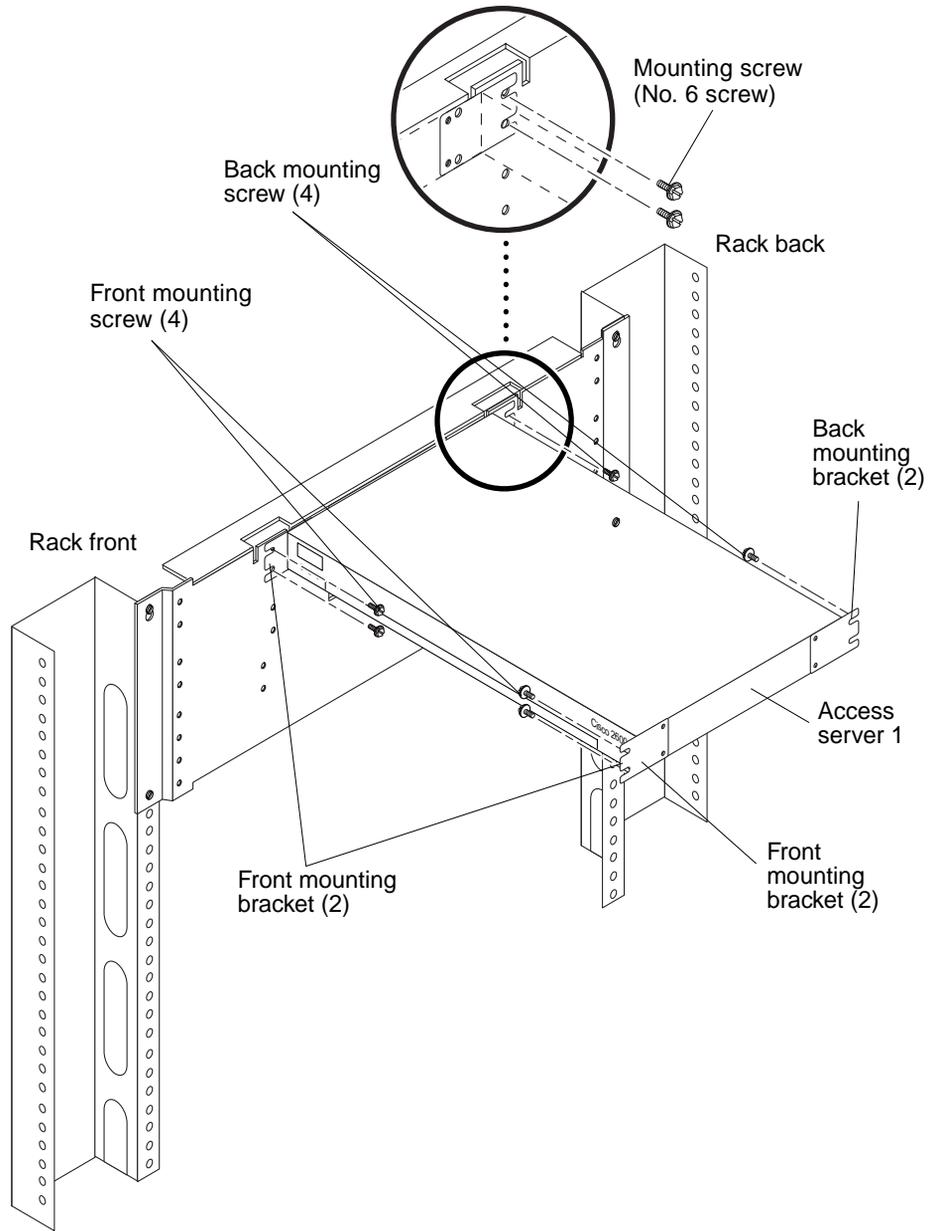


FIGURE 7 Removing and Replacing the Terminal Server

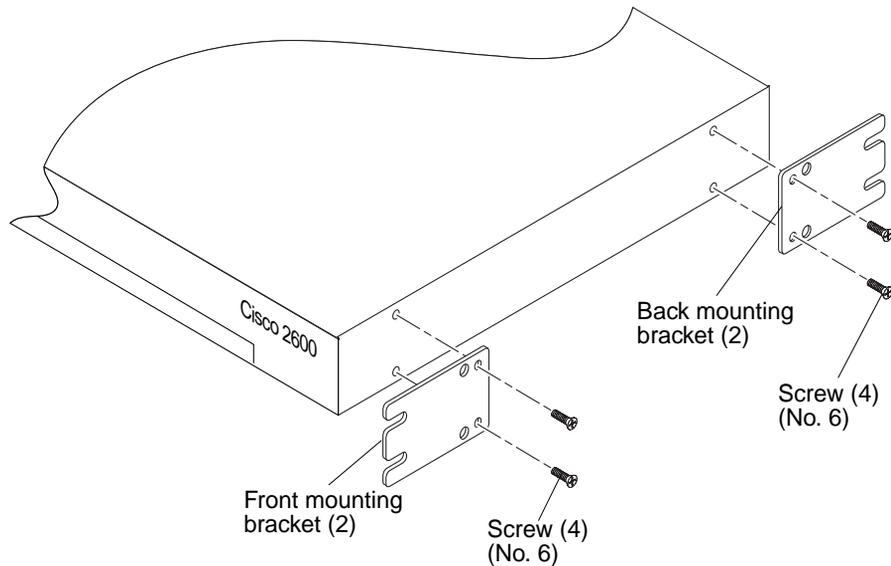


FIGURE 8 Removing and Replacing the Terminal Server Mounting Brackets

▼ To Replace a Terminal Server

1. Set the replacement terminal server on a workbench.
2. Using a No. 2 Phillips screwdriver, replace the two screws securing each front and back mounting bracket to the terminal server (FIGURE 8).
3. From the front of the rack (FIGURE 7):
 - a. Position the terminal server into the rack, making sure that the mounting plate back mounting screws are properly positioned into the terminal server back mounting brackets.
 - b. Align the terminal server front mounting brackets with the mounting plate front mounting screw holes.
Refer to FIGURE 9 for proper screw hole position.
 - c. Using a No. 2 Phillips screwdriver, tighten the front mounting screws securing the terminal server chassis to the mounting plate.
4. From the back of the rack (FIGURE 7):
 - a. Using a No. 2 Phillips screwdriver, tighten the rear mounting screws securing the terminal server back mounting brackets to the mounting plate.

b. Connect the terminal server cabling.

Refer to Chapter 5 in the *Sun Technical Compute Farm Installation and Service Manual*.

5. Connect the power cable to the back panel of the terminal server as described in the *Cisco AS2509-RJ and AS2511-RJ Access Server Hardware Installation Guide*.

6. Reinstall the 4RU filler panel on the front of the rack.

7. Power on the system.

Refer to Chapter 6 in the *Sun Technical Compute Farm Installation and Service Manual*.

8. Replace, close, and lock the rack door(s) as appropriate.

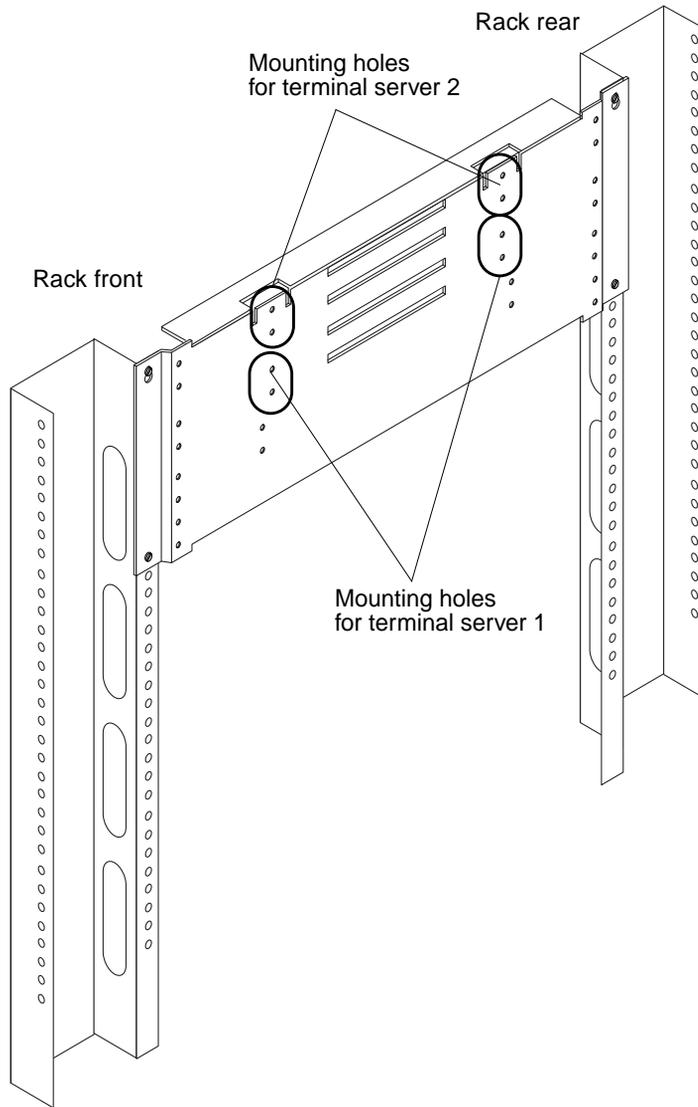


FIGURE 9 Mounting Location for the Terminal Servers

Removing and Replacing the Ethernet Switches

The following procedure replaces the procedure found in Section 9.2.1 and 9.2.2 of the *Sun Technical Compute Farm Installation and Service Manual*.

Note – When removing or replacing the Ethernet switches, a nonconducting step ladder and a flashlight might be required. Refer to the *Cisco AS2509-RJ and AS2511-RJ Access Server Hardware Installation Guide* and the *Cisco Catalyst 3500 Series XL Installation Guide* for complete details.

Note – The procedures to remove and replace the C3508 Ethernet switch are identical to those for the C3524 Ethernet switch. The C3524 and C3508 Ethernet switches are now mounted facing the rear of the rack.



Caution – Never remove or replace a device when system power is on.

▼ To Remove an Ethernet Switch

1. **Unlock, open, and remove the rack door(s) as appropriate.**
2. **Power off the system.**

Refer to Chapter 6 in the *Sun Technical Compute Farm Installation and Service Manual*.



Caution – Use proper ESD grounding techniques when handling components. Wear an antistatic wrist strap and use an antistatic mat. Store ESD-sensitive components in antistatic bags before placing them on any surface.

3. **Remove the 4RU filler panel from the front of the rack (above the top compute engine).**
4. **Disconnect the power cable from the back panel of the Ethernet switch as described in the *Cisco Catalyst 3500 Series XL Installation Guide*.**
5. **From the back of the rack:**
 - a. **Disconnect the Ethernet switch cabling.**

Refer to Chapter 5 in the *Sun Technical Compute Farm Installation and Service Manual*.
 - b. **Using a No. 2 Phillips screwdriver, loosen the back mounting screws securing the Ethernet switch chassis to the mounting plate (FIGURE 10).**

- 6. From the front of the rack:**
 - a. Using a No. 2 Phillips screwdriver, remove the front mounting screws securing the Ethernet switch chassis to the mounting plate (FIGURE 10).**
 - b. Remove the Ethernet switch from the rack.**
- 7. Set the Ethernet switch on a workbench.**
- 8. Using a No. 2 Phillips screwdriver, remove the two screws securing each front and back mounting bracket from the Ethernet switch (FIGURE 11).**
- 9. Set the mounting brackets and screws aside.**

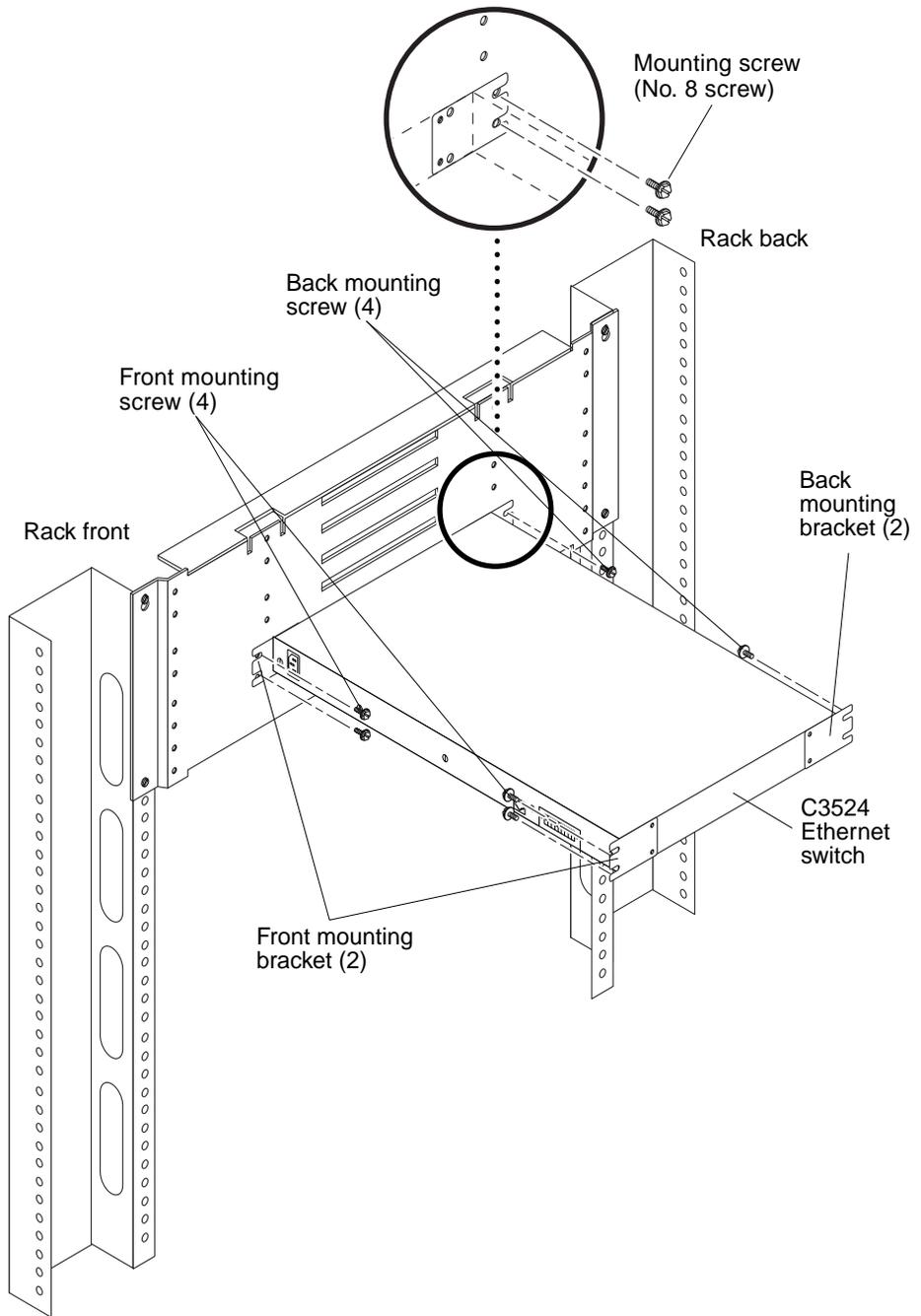


FIGURE 10 Removing and Replacing the C3524 Ethernet Switch

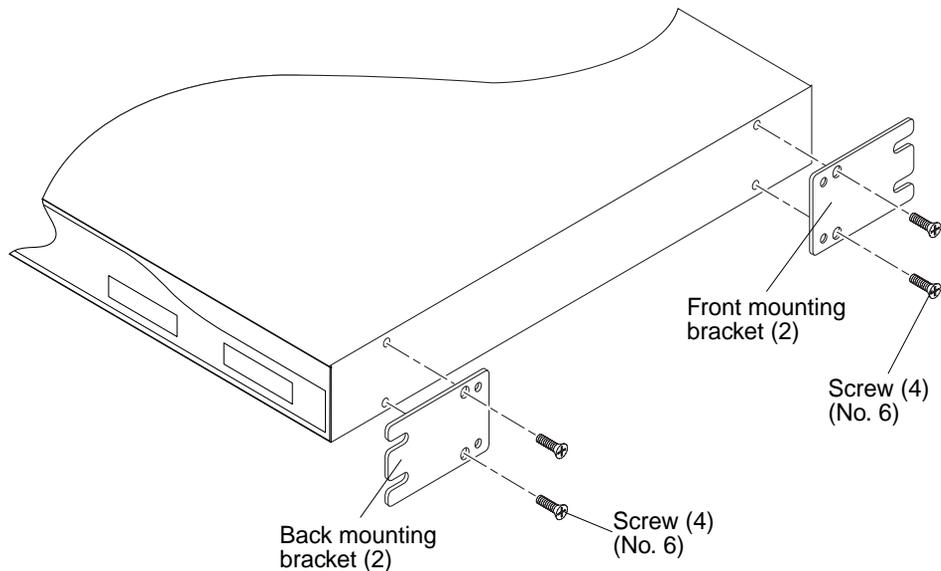


FIGURE 11 Removing and Replacing the C3524 Ethernet Brackets

▼ To Replace an Ethernet Switch

- 1. Set the replacement Ethernet switch on a workbench.**
- 2. Using a No. 2 Phillips screwdriver, replace the two screws securing each front and back mounting bracket to the Ethernet switch (FIGURE 11).**
- 3. From the front of the rack (FIGURE 10):**
 - a. Position the Ethernet switch into the rack, making sure that the mounting plate back mounting screws are properly positioned into the Ethernet switch back mounting brackets.**
 - b. Align the Ethernet switch front mounting brackets with the mounting plate front mounting screw holes.**
Refer to FIGURE 12 for proper screw hole position.
 - c. Using a No. 2 Phillips screwdriver, tighten the front mounting screws securing the Ethernet switch chassis to the mounting plate.**
- 4. From the back of the rack (FIGURE 10):**
 - a. Using a No. 2 Phillips screwdriver, tighten the rear mounting screws securing the Ethernet switch back mounting brackets to the mounting plate.**

b. Connect the Ethernet switch cabling.

Refer to Chapter 5 in the *Sun Technical Compute Farm Installation and Service Manual*.

5. Connect the power cable to the back panel of the Ethernet switch as described in the Cisco Catalyst 3500 Series XL Installation Guide.

6. Reinstall the 4RU filler panel on the front of the rack.

7. Power on the system.

Refer to Chapter 6 in the *Sun Technical Compute Farm Installation and Service Manual*.

8. Replace, close, and lock the rack door(s) as appropriate.

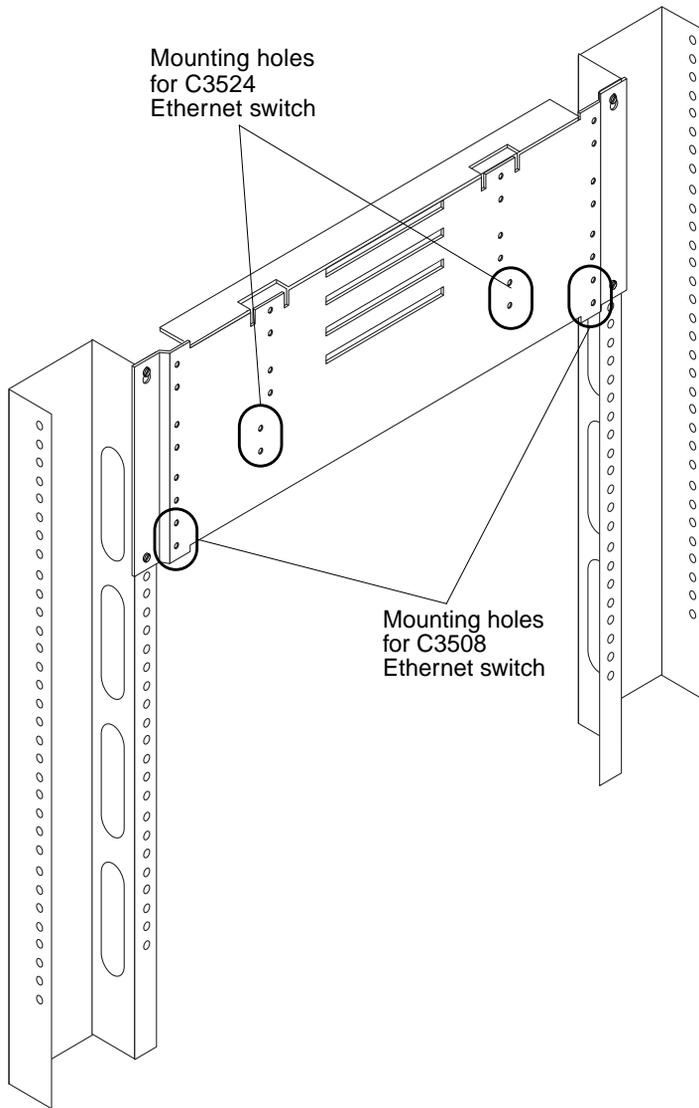


FIGURE 12 Mounting Location for the Ethernet Switches

For More Information

For late-breaking information about your Sun TCF system and related hardware and software, refer to the Sun TCF product Web site at:

<http://www.sun.com/SunTCF>

Safety Information for the Sun StorEdge Expansion Cabinet

This section contains safety and conformity information for the Sun StorEdge Expansion cabinet. For safety information on other hardware components in the Sun TCF system, refer to the *Sun Technical Compute Farm Installation and Service Manual*.

Declaration of Conformity

Compliance ID: 1602
Product Name: Sun Technical Compute Farm (Sun TCF)

EMC

European Union—EC

This equipment complies with the following requirements of the EMC Directive 89/336/EEC:

EN55022 (1998)/CISPR22 (1997)		Class A
EN550024 (1998)	EN61000-4-2	4 kV (Direct), 8 kV (Air)
	EN61000-4-3	3 V/m
	EN61000-4-4	1.0 kV Power Lines, 0.5 kV Signal & DC Power Lines
	EN61000-4-5	1 kV AC Line-Line & Outdoor Signal Lines 2 kV AC Line-Gnd, 0.5 kV DC Power Lines
	EN61000-4-6	3 V
	EN61000-4-8	1 A/m
	EN61000-4-11	Pass
EN61000-3-2 (1995) w/ Am.1,2		Pass
EN61000-3-3 (1995)		Pass

