

J-series Services Router Primary Compact Flash Installation Instructions

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This document describes how to remove and replace the primary compact flash disk on Juniper Networks J-series Services Routers. For hardware installation and basic troubleshooting procedures for J-series Services Routers, see the *J-series Services Router Getting Started Guide*.

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Tools and Parts Required

To replace a component, you need the following tools and parts:

- Electrostatic bag or antistatic mat
- Electrostatic discharge (ESD) grounding wrist strap
- Phillips (+) screwdriver, number 2

Removing and Installing the Primary Compact Flash Disk

The primary compact flash drive is located in a slot at the rear of the Services Router as shown in Figure 1, Figure 2, and Figure 3. The compact flash disk that you install in the compact flash drive provides primary storage for the router. It can accommodate software images, configuration files, and microcode.

For information about configuring the primary compact flash disk, see the *J-series Services Router Administration Guide*.

To remove and install a primary compact flash disk, perform the following procedures:

- Removing the Primary Compact Flash Disk on page 3
- Installing the Primary Compact Flash Disk on page 4

Figure 1: Rear of J2300 Chassis

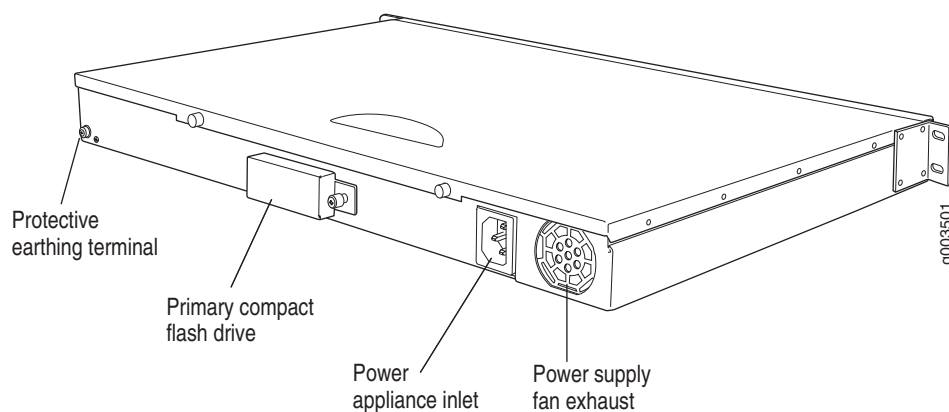


Figure 2: Rear of J4300 Chassis

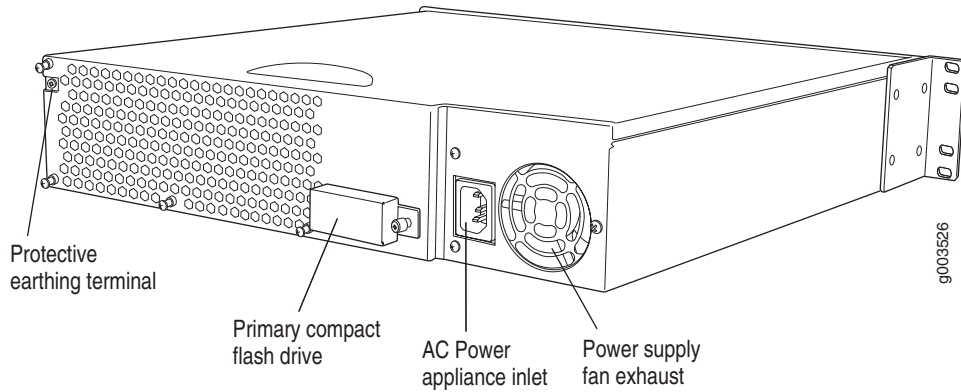
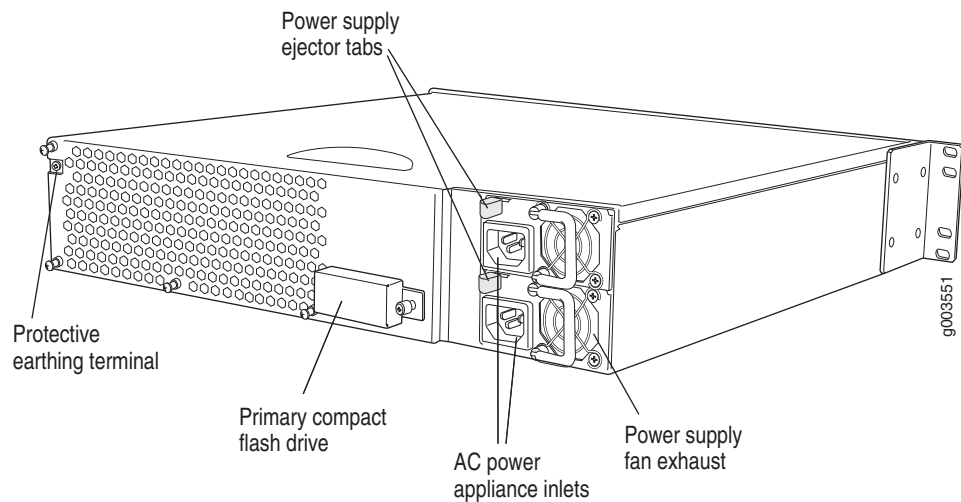


Figure 3: Rear of J6300 Chassis



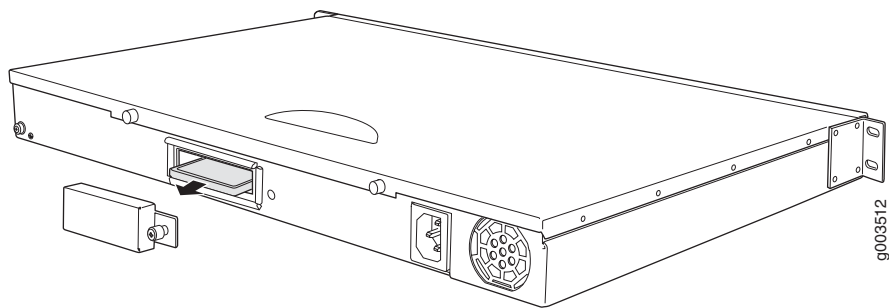
Removing the Primary Compact Flash Disk

To remove the primary compact flash disk (see Figure 4):

1. Place an electrostatic bag or antistatic mat on a flat, stable surface.
2. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist and connect the strap to the ESD point on the chassis, or to an outside ESD point if the router is disconnected from earth ground. For more information about ESD, see the *J-series Services Router Getting Started Guide*.
3. Press and release the power button to power off the router. Wait for the POWER ON LED to turn off.
4. Remove the power cord from the power supply.

5. Loosen the thumbscrew that secures the primary compact flash drive cover on the rear of the chassis.
6. Remove the compact flash drive cover.
7. Gently grasp the compact flash disk, and slide it out of the connector.
8. Place the compact flash disk on the antistatic mat or in the electrostatic bag (see Figure 4).

Figure 4: Removing the Primary Compact Flash Disk



Installing the Primary Compact Flash Disk

To install the primary compact flash disk (see Figure 5):

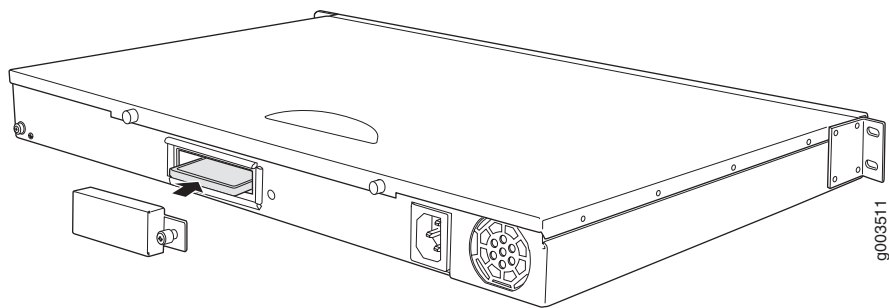


NOTE: If you plan to boot the Services Router from the primary compact flash disk, you must first configure the primary compact flash disk in another router or with a computer running UNIX or Cygwin. For more information, see the *J-series Services Router Administration Guide*.

1. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist and connect the strap to the ESD point on the chassis, or to an outside ESD point if the router is disconnected from earth ground. For more information about ESD, see the *J-series Services Router Getting Started Guide*.
2. Press and release the power button to power off the router. Wait for the POWER ON LED to turn off.
3. Remove the power cord from the power supply.
4. Loosen the thumbscrew that secures the primary compact flash drive cover on the rear of the chassis.
5. Remove the compact flash drive cover.
6. Slide the compact flash disk into the connector on the Routing Engine (see Figure 5).

7. Replace the compact flash drive cover.
8. Tighten the thumbscrew that secures the compact flash drive cover to the rear of the chassis.
9. Install the power cord into the power supply.
10. Press and release the power button to power on the router. Verify that the POWER ON LED lights steadily after you press the power button.

Figure 5: Installing the Primary Compact Flash Disk



Related Juniper Networks Documentation

Table 1 lists and describes the publications for the J-series Services Routers, the JUNOS CLI, the JUNOScript application programming interface (API), and the JUNOScope network management software.

Table 1: Juniper Networks Technical Documentation

Title	Description
J-series Guides	
<i>J-series Services Router Getting Started Guide</i>	Provides an overview, basic instructions, and specifications for J-series Services Routers. The guide explains how to prepare your site for installation, unpack and install the router and its components, install licenses, and establish basic connectivity.
<i>J-series Services Router Configuration Guide</i>	Explains how to configure the interfaces on J-series Services Routers for basic IP routing with standard routing protocols. The guide also shows how to configure virtual private networks (VPNs), configure and manage multicast networks, and apply routing techniques such as policies, firewall filters, IP Security (IPSec) tunnels, and service classification for safer, more efficient routing.
<i>J-series Services Router Administration Guide</i>	Shows how to manage users and operations, monitor network performance, upgrade software, and diagnose common problems on J-series Services Routers.
JUNOS Configuration Guides	

Title	Description
<i>JUNOS Feature Guide</i>	Provides a detailed explanation and configuration examples for several of the most complex features in the JUNOS software.
<i>JUNOS System Basics Configuration Guide</i>	Provides an overview of the JUNOS software and describes how to install and upgrade the software. This manual also describes how to configure system management functions and how to configure the chassis, including user accounts, passwords, and redundancy.
<i>JUNOS Network Interfaces and Class of Service Configuration Guide</i>	Provides an overview of the network interface and class-of-service functions of the JUNOS Internet software and describes how to configure the network interfaces on the router.
<i>JUNOS Multicast Protocols Configuration Guide</i>	Provides an overview of multicast concepts and describes how to configure multicast routing protocols.
<i>JUNOS Network Management Configuration Guide</i>	Provides an overview of network management concepts and describes how to configure various network management features, such as SNMP and accounting options.
<i>JUNOS Policy Framework Configuration Guide</i>	Provides an overview of policy concepts and describes how to configure routing policy, firewall filters, and forwarding options.
<i>JUNOS Routing Protocols Configuration Guide</i>	Provides an overview of routing concepts and describes how to configure routing, routing instances, and unicast routing protocols.
<i>JUNOS Services Interfaces Configuration Guide</i>	Provides an overview of the services interfaces functions of the JUNOS software and describes how to configure the services interfaces on the router.
JUNOS References	
<i>JUNOS Network and Services Interfaces Command Reference</i>	Describes the JUNOS software operational mode commands you use to monitor and troubleshoot network and services interfaces on Juniper Networks routers.
<i>JUNOS Protocols, Class of Service, and System Basics Command Reference</i>	Describes the JUNOS Internet software operational mode commands you use to monitor and troubleshoot most aspects of Juniper Networks routers.
<i>JUNOS System Log Messages Reference</i>	Describes how to access and interpret system log messages generated by JUNOS software modules and provides a reference page for each message.
JUNOScript API Documentation	
<i>JUNOScript API Guide</i>	Describes how to use the JUNOScript application programming interface (API) to monitor and configure Juniper Networks routers.
<i>JUNOScript API Configuration Reference</i>	Provides a reference page for the configuration tags in the JUNOScript API.
<i>JUNOScript API Operational Reference</i>	Provides a reference page for the operational tags in the JUNOScript API
JUNOS Comprehensive Index and Glossary	
<i>JUNOS Comprehensive Index and Glossary</i>	Provides a complete index of all JUNOS Internet software books and the <i>JUNOScript API Guide</i> . Also provides a comprehensive glossary.
JUNOScope Software Documentation	
<i>JUNOScope Software User Guide</i>	Describes the JUNOScope software graphical user interface (GUI), how to install and administer the software, and how to use the software to manage router configuration files and monitor router operations.

Title	Description
Release Notes	
<i>J-series Services Router Release Notes</i>	Summarize new features, identify hardware problems, provide information omitted from the manual, and contain upgrade and downgrade instructions.
<i>JUNOS Internet Software Release Notes</i>	Provide a summary of new features for a particular software release. Software release notes also contain corrections and updates to published JUNOS and JUNOScript manuals, provide information that might have been omitted from the manuals, and describe upgrade and downgrade procedures.
<i>JUNOScope Software Release Notes</i>	Contain corrections and updates to the published JUNOScope manual, provide information that might have been omitted from the manual, and describe upgrade and downgrade procedures.

Requesting Support

For technical support, open a support case using the Case Manager link at <http://www.juniper.net/support/> or call 1-888-314-JTAC (within the United States) or 1-408-745-9500 (outside the United States).

For documentation issues, fill out the bug report form located at <http://www.juniper.net/techpubs/docbug/docbugreport.html>.

Revision History

13 April 2005—530-013371-01 Revision 1. Updated book cross-references.

4 November 2004—530-011517-01 Revision 1.

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