

J6300 Services Router Power Components Installation Instructions

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This document describes how to remove and replace a redundant power supply and power supply cord on a Juniper Networks J6300 Services Router. 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

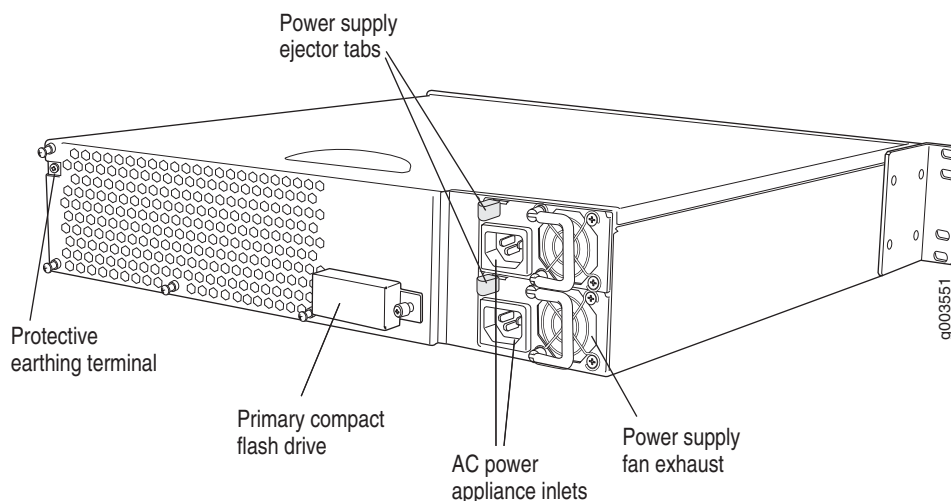
Replacing Power System Components

The J6300 Services Router has one or two load-sharing AC power supplies (see Figure 1), located at the right rear of the chassis. Each AC power supply provides power to all components in the router. The AC power supplies are fully redundant. If one power supply fails or is removed, the remaining power supply instantly assumes the entire electrical load. One power supply can provide full power for as long as the router is operational.

Each J6300 power supply is hot-insertable and hot-removable. To replace a power supply in a J6300 router, use the following procedures:

- Removing a Power Supply in a J6300 Router on page 3
- Installing a Power Supply in a J6300 Router on page 4
- Replacing a Power Supply Cord in a J6300 Router on page 5

Figure 1: Rear of J6300 Chassis



Removing a Power Supply in a J6300 Router

The power supplies are located at the right rear of the chassis. A power supply weighs 2.4 lb (1.1 kg).

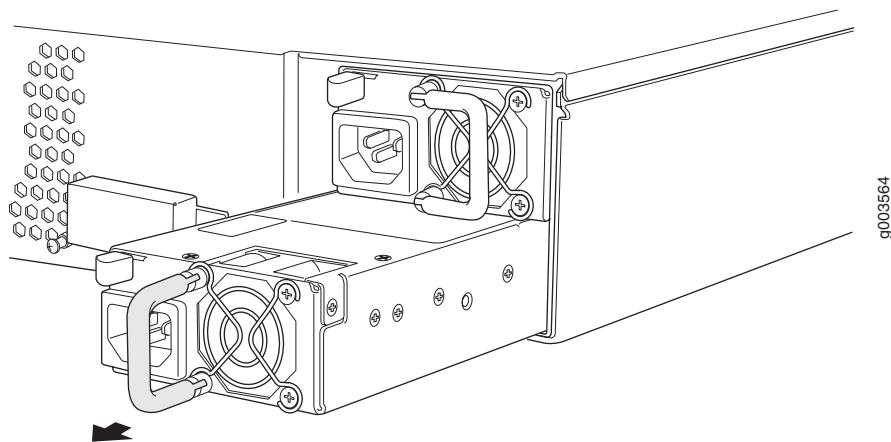


CAUTION: Do not leave a power supply slot empty for more than a short time while the Services Router is operational. The power supply or a blank power supply panel must remain in the chassis for proper airflow.

To remove a power supply from a J6300 Services Router:

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. Unplug the power cord from the power source receptacle.
3. Unplug the power cord from the appliance inlet on the power supply faceplate.
4. Slide the red ejector tab on the power supply faceplate to the right and hold it in place, to unlock the power supply.
5. Grasp the handle on the power supply faceplate, and pull firmly to start removing the power supply. Slide it halfway out of the chassis (see Figure 2).
6. Place one hand underneath the power supply to support it and slide it completely out of the chassis.
7. If you are not reinstalling a power supply into the emptied slot, install a blank power supply panel over the slot.

Figure 2: Removing a Power Supply



Installing a Power Supply in a J6300 Router

To install a power supply in a J6300 Services Router (see Figure 3):

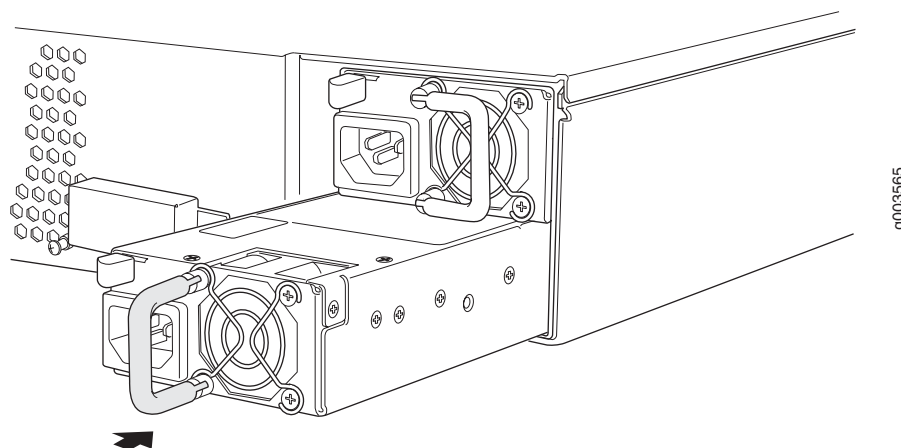
1. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist and connect the strap to the ESD point on the chassis, or to an outside ESD point if the router is disconnected from earth ground. For more information about ESD, see the *J-series Services Router Getting Started Guide*.
2. Using both hands, slide the power supply into the chassis until you feel resistance.
3. Firmly push the power supply into the chassis until it comes to a stop. Make sure that the power supply faceplate is flush with any adjacent power supply faceplate.
4. Insert the appliance coupler end of a power cord into the appliance inlet on the power supply faceplate.
5. Insert the power cord plug into an AC power source receptacle.



NOTE: Each power supply must be connected to a dedicated AC power feed. For information about connecting to AC power sources, see the *J-series Services Router Getting Started Guide*.

6. Verify that the power cord does not block access to router components or drape where people might trip on it.

Figure 3: Installing an AC Power Supply



Replacing a Power Supply Cord in a J6300 Router

To replace the power cord for a redundant power supply:

1. Locate a replacement power cord with the type of plug appropriate for your geographical location (see the *J-series Services Router Getting Started Guide*).
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. Unplug the power cord from the power source receptacle.
4. Unplug the power cord from the appliance inlet on the power supply faceplate.
5. Insert the appliance coupler end of the replacement power cord into the appliance inlet on the power supply faceplate.
6. Insert the power cord plug into an AC power source receptacle.



NOTE: Each power supply must be connected to a dedicated AC power feed. For information about connecting to AC power sources, see the *J-series Services Router Getting Started Guide*.

7. Verify that the power cord does not block access to Services Router components or drape where people might trip on it.

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.

Title	Description
<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	
<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.

Title	Description
<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.
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—530-013373-01 Revision 1. Updated book cross-references.

4 November 2004—530-011520-01 Revision 1.

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