

About This Guide

This preface provides the following guidelines for using the *JUNOS^e Software for E-series Routing Platforms Comprehensive Index*:

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Overview

This comprehensive index contains two indexes: an index that contains all index entries from the JUNOS^e software guides and an index of commands, which contains all the commands described in the *JUNOS^e Command Reference Guide A to M* and the *JUNOS^e Command Reference Guide N to Z*.

- General Index on page 1
- Index of Commands on page 87

Book Title Abbreviations

Each entry in the index is preceded by an abbreviation. This abbreviation denotes the title of the book in which you can find the entry. See Table 1.

Table 1: Abbreviations and JUNOS^e Book Titles

Abbreviation	Book
AM	<i>JUNOS^e Command Reference Guide A to M</i>
BA	<i>JUNOS^e Broadband Access Configuration Guide</i>
BGP	<i>JUNOS^e BGP and MPLS Configuration Guide</i>
IP	<i>JUNOS^e IP, IPv6, and IGP Configuration Guide</i>
LL	<i>JUNOS^e Link Layer Configuration Guide</i>

Table 1: Abbreviations and JUNOS Book Titles (continued)

Abbreviation	Book
MC	<i>JUNOS Multicast Routing Configuration Guide</i>
NZ	<i>JUNOS Command Reference Guide N to Z</i>
PL	<i>JUNOS Physical Layer Configuration Guide</i>
PM	<i>JUNOS Policy Management Configuration Guide</i>
QS	<i>JUNOS Quality of Service Configuration Guide</i>
SB	<i>JUNOS System Basics Configuration Guide</i>
SL	<i>JUNOS System Event Logging Reference Guide</i>
SVC	<i>JUNOS IP Services Configuration Guide</i>

Related E-series and JUNOS Documentation

The E-series and JUNOS documentation set consists of several hardware and software guides, which are available in electronic and printed formats.

E-series and JUNOS Documents

Table 2 lists and describes the E-series and JUNOS document set. For a complete list of abbreviations used in this document set, along with their spelled-out terms, see *JUNOS System Basics Configuration Guide, Appendix A, Abbreviations and Acronyms*.

Table 2: Juniper Networks E-series and JUNOS Technical Publications

Document	Description
E-series Hardware Documentation	
<i>E120 and E320 Quick Start Guide</i>	Shipped in the box with all new E120 and E320 routers. Provides the basic procedures to help you get the routers up and running quickly.
<i>E120 and E320 Hardware Guide</i>	Provides the necessary procedures for getting E120 routers and E320 routers operational, including information about: <ul style="list-style-type: none"> ■ Installing the chassis and modules ■ Connecting cables ■ Powering up the routers ■ Configuring the routers for management access ■ Troubleshooting common issues Describes switch route processor (SRP) modules, line modules, and I/O adapters (IOAs) available for E120 and E320 routers.
<i>E120 and E320 Module Guide</i>	Provides detailed specifications for line modules and IOAs in E120 and E320 routers, and information about the compatibility of these modules with JUNOS software releases. <p>Lists the layer 2 protocols, layer 3 protocols, and applications that line modules and their corresponding IOAs support.</p> <p>Provides module LED information.</p>
<i>E-series Installation Quick Start poster or ERX Quick Start Guide</i>	Shipped in the box with all new ERX routers. Provides the basic procedures to help you get an ERX router up and running quickly.

Table 2: Juniper Networks E-series and JUNOSe Technical Publications (continued)

Document	Description
<i>ERX Hardware Guide</i>	<p>Provides the necessary procedures for getting ERX-14xx models, ERX-7xx models, and ERX-310 routers operational, including information about:</p> <ul style="list-style-type: none"> ■ Installing the chassis and modules ■ Connecting cables ■ Powering up the routers ■ Configuring the routers for management access ■ Troubleshooting common issues <p>Describes switch route processor (SRP) modules, line modules, and I/O modules available for the ERX routers.</p>
<i>ERX Module Guide</i>	<p>Provides detailed specifications for line modules and I/O modules in ERX-14xx models, ERX-7xx models, and ERX-310 routers, and information about the compatibility of these modules with JUNOSe software releases.</p> <p>Lists the layer 2 protocols, layer 3 protocols, and applications that line modules and their corresponding I/O modules support.</p> <p>Provides module LED information.</p>
<i>ERX End-of-Life Module Guide</i>	<p>Provides an overview and description of ERX modules that are end-of-life (EOL) and can no longer be ordered for the following routers:</p> <ul style="list-style-type: none"> ■ ERX-7xx models ■ ERX-14xx models ■ ERX-310 router
JUNOSe Software Guides	
<i>JUNOSe System Basics Configuration Guide</i>	<p>Provides information about:</p> <ul style="list-style-type: none"> ■ Planning and configuring your network ■ Using the command-line interface (CLI) ■ Installing JUNOSe software ■ Configuring the Simple Network Management Protocol (SNMP) ■ Managing the router and its modules, including the use of high availability (HA) for SRP redundancy ■ Configuring and running a unified in-service software upgrade (ISSU) ■ Configuring passwords and security ■ Configuring the router clock ■ Configuring virtual routers
<i>JUNOSe Physical Layer Configuration Guide</i>	Explains how to configure, test, and monitor physical layer interfaces.
<i>JUNOSe Link Layer Configuration Guide</i>	Explains how to configure and monitor static and dynamic link layer interfaces.
<i>JUNOSe IP, IPv6, and IGP Configuration Guide</i>	Explains how to configure and monitor IP, IPv6 and Neighbor Discovery, and interior gateway protocols (RIP, OSPF, and IS-IS).

Table 2: Juniper Networks E-series and JUNOS Technical Publications (continued)

Document	Description
<i>JUNOS IP Services Configuration Guide</i>	Explains how to configure and monitor IP routing services. Topics include: <ul style="list-style-type: none"> ■ Routing policies ■ Firewalls ■ Network Address Translation (NAT) ■ J-Flow statistics ■ Bidirectional forwarding detection (BFD) ■ Internet Protocol Security (IPSec) ■ Access Node Control Protocol (ANCP), also known as Layer 2 Control (L2C) ■ Digital certificates ■ IP tunnels ■ Virtual Router Redundancy Protocol (VRRP) ■ Mobile IP home agent
<i>JUNOS Multicast Routing Configuration Guide</i>	Explains how to configure and monitor IP multicast routing and IPv6 multicast routing. Topics include: <ul style="list-style-type: none"> ■ Internet Group Management Protocol (IGMP) ■ Protocol Independent Multicast (PIM) ■ Distance Vector Multicast Routing Protocol (DVMRP) ■ Multicast Listener Discovery (MLD)
<i>JUNOS BGP and MPLS Configuration Guide</i>	Explains how to configure and monitor: <ul style="list-style-type: none"> ■ Border Gateway Protocol (BGP) routing ■ Multiprotocol Label Switching (MPLS) and related applications ■ Layer 2 services over MPLS ■ Virtual private LAN service (VPLS) ■ Layer 2 virtual private networks (L2VPNs)
<i>JUNOS Policy Management Configuration Guide</i>	Explains how to configure, manage, and monitor customized policy rules for packet classification, forwarding, filtering, and flow rates. Also describes the packet mirroring feature, which uses secure policies.
<i>JUNOS Quality of Service Configuration Guide</i>	Explains how to configure quality of service (QoS) features to queue, schedule, and monitor traffic flow. These features include: <ul style="list-style-type: none"> ■ Traffic classes and traffic-class groups ■ Drop, queue, QoS, and scheduler profiles ■ QoS parameters ■ Statistics
<i>JUNOS Broadband Access Configuration Guide</i>	Explains how to configure and monitor a remote access environment, which can include the following features: <ul style="list-style-type: none"> ■ Authentication, authorization, and accounting (AAA) ■ Dynamic Host Configuration Protocol (DHCP) ■ Remote Authentication Dial-In User Service (RADIUS) ■ Terminal Access Controller Access Control System (TACACS+) ■ Layer 2 Tunneling Protocol (L2TP) ■ Subscriber management
<i>JUNOS System Event Logging Reference Guide</i>	Describes the JUNOS system logging feature and describes how to use the CLI to monitor your system's log configuration and system events.

Table 2: Juniper Networks E-series and JUNOS Technical Publications (continued)

Document	Description
<i>JUNOS Command Reference Guide A to M;</i> <i>JUNOS Command Reference Guide N to Z</i>	Together constitute the <i>JUNOS Command Reference Guide</i> . Contain important information about commands implemented in the system software. Use to look up: <ul style="list-style-type: none"> ■ Descriptions of commands and command parameters ■ Command syntax ■ A command's related mode ■ Starting with JUNOS Release 7.1.0, a history of when a command, its keywords, and its variables were introduced or added Use with the JUNOS configuration guides.
<i>JUNOS Comprehensive Index</i>	Provides a complete index of the JUNOS software documentation set.
<i>JUNOS Glossary</i>	Provides definitions for terms used in JUNOS technical documentation.
Release Notes	
<i>JUNOS Release Notes</i>	Provide the latest information about features, changes, known problems, resolved problems, and system maximum values. If the information in the <i>Release Notes</i> differs from the information found in the documentation set, follow the <i>Release Notes</i> . Release notes are included on the corresponding software CD and are available on the Web.

JUNOS Configuration Guides

JUNOS software configuration guides use a bottom-up approach to describe the relationship of layers, protocols, and interfaces in the configuration process. For more information, see *Layered Approach* in *JUNOS System Basics Configuration Guide, Chapter 1, Planning Your Network*.

The chapters in JUNOS software configuration guides typically include the following topics:

- Conceptual and overview information
- Information you need to know or tasks you need to perform before you begin
- Platform-specific issues you need to take into consideration
- Applicable references, such as RFCs and IETF draft documents, about the protocols and features supported by the router
- Required and optional tasks, as step-by-step procedures
- Descriptions and examples of the commands you use
- Illustrations of network topologies
- Examples of command sequences for configuration, testing, and monitoring activities
- Sample displays that result when you issue the **show** command

Obtaining Documentation

To obtain the most current version of all Juniper Networks technical documentation, see the products documentation page on the Juniper Networks Web site at <http://www.juniper.net/>.

To order a documentation CD, which contains this manual, contact your sales representative.

Copies of the Management Information Bases (MIBs) available in a software release are included on the software CDs and at <http://www.juniper.net/>.

Documentation Feedback

We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation to better meet your needs. Send your comments to techpubs-comments@juniper.net, or fill out the documentation feedback form at <http://www.juniper.net/techpubs/docbug/docbugreport.html>. If you are using e-mail, be sure to include the following information with your comments:

- Document name
- Document part number
- Page number
- Software release version

Requesting Technical Support

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or JNASC support contract, or are covered under warranty, and need post-sales technical support, you can access our tools and resources online or open a case with JTAC.

- **JTAC Policies**—For a complete understanding of our JTAC procedures and policies, review the *JTAC User Guide* located at <http://www.juniper.net/customers/support/downloads/710059.pdf>
- **Product Warranties**—For product warranty information, visit <http://www.juniper.net/support/warranty/>
- **JTAC Hours of Operation**—The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings:
<http://www.juniper.net/customers/support/>
- Search for known bugs:
<http://www2.juniper.net/kb/>
- Find product documentation:
<http://www.juniper.net/techpubs/>
- Find solutions and answer questions using our Knowledge Base:
<http://kb.juniper.net/>
- Download the latest versions of software and review release notes:
<http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications:
<https://www.juniper.net/alerts/>
- Join and participate in the Juniper Networks Community Forum:
<http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Manager:
<http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool located at
<https://tools.juniper.net/SerialNumberEntitlementSearch/>

Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Manager tool in the CSC at
<http://www.juniper.net/cm/>
- Call 1-888-314-JTAC (1-888-314-5822 – toll free in the USA, Canada, and Mexico)

For international or direct-dial options in countries without toll-free numbers, visit
<http://www.juniper.net/support/requesting-support.html>

