



ExtremeSwitching™

# **Documentation Reference for Ethernet Routing Switch 3500 Series**

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# Contents

<b>Chapter 1: Preface</b> .....	6
Purpose.....	6
Training.....	6
Providing Feedback to Us.....	6
Getting Help.....	6
Extreme Networks Documentation.....	7
Subscribing to service notifications.....	8
<b>Chapter 2: New in this document</b> .....	9
<b>Chapter 3: Technical documentation changes</b> .....	10
New documents.....	10
Restructured documents.....	10
Retired documents.....	10
<b>Chapter 4: Roadmap</b> .....	11
Customer documentation packaging.....	11
Product fundamentals.....	11
Installation and commissioning.....	12
Upgrades and Patches.....	13
Operations.....	13
Administration and Security.....	13
Fault and Performance Management.....	14
<b>Chapter 5: Information quality</b> .....	15
<b>Chapter 6: Text conventions</b> .....	16
Angle brackets.....	16
Bold or Bold Courier text.....	16
Braces.....	16
Brackets.....	17
Ellipses.....	17
Plain Courier text.....	17
Separator.....	18
Vertical bar.....	18
cr convention.....	18

# Chapter 1: Preface

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## Purpose

The Documentation Reference explains the organization of Extreme Networks technical documentation. You can use this document to understand where you can find specific types of information in the customer documentation suite.

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## Training

Ongoing product training is available. For more information or to register, you can access the Web site at [www.extremenetworks.com/education/](http://www.extremenetworks.com/education/).

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## Providing Feedback to Us

We are always striving to improve our documentation and help you work better, so we want to hear from you! We welcome all feedback but especially want to know about:

- Content errors or confusing or conflicting information.
- Ideas for improvements to our documentation so you can find the information you need faster.
- Broken links or usability issues.

If you would like to provide feedback to the Extreme Networks Information Development team about this document, please contact us using our short [online feedback form](#). You can also email us directly at [internalinfodev@extremenetworks.com](mailto:internalinfodev@extremenetworks.com)

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  - Phone: 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: [www.extremenetworks.com/support/contact](http://www.extremenetworks.com/support/contact)
  - Email: [support@extremenetworks.com](mailto:support@extremenetworks.com). To expedite your message, enter the product name or model number in the subject line.
- [GTAC Knowledge](#) – Get on-demand and tested resolutions from the GTAC Knowledgebase, or create a help case if you need more guidance.
- [The Hub](#) – A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.
- [Support Portal](#) – Manage cases, downloads, service contracts, product licensing, and training and certifications.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

### **Product purchased from Avaya**

If you purchased your product from Avaya, use the following support contact information to get help.

Go to the Avaya Support website at <http://support.avaya.com> for the most up-to-date documentation, product notices, and knowledge articles. You can also search for release notes, downloads, and resolutions to issues. Use the online service request system to create a service request. Chat with live agents to get answers to questions, or request an agent to connect you to a support team if an issue requires additional expertise.

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## **Extreme Networks Documentation**

To find Extreme Networks product guides, visit our documentation pages at:

Current Product Documentation

[www.extremenetworks.com/documentation/](http://www.extremenetworks.com/documentation/)

*Table continues...*

Archived Documentation (for previous versions and legacy products)  
Release Notes

[www.extremenetworks.com/support/documentation-archives/](http://www.extremenetworks.com/support/documentation-archives/)

[www.extremenetworks.com/support/release-notes](http://www.extremenetworks.com/support/release-notes)

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## Subscribing to service notifications

Subscribe to receive an email notification for product and software release announcements, Vulnerability Notices, and Service Notifications.

### About this task

You can modify your product selections at any time.

### Procedure

1. In an Internet browser, go to <http://www.extremenetworks.com/support/service-notification-form/>.
2. Type your first and last name.
3. Type the name of your company.
4. Type your email address.
5. Type your job title.
6. Select the industry in which your company operates.
7. Confirm your geographic information is correct.
8. Select the products for which you would like to receive notifications.
9. Click **Submit**.



## **Chapter 2: New in this document**

There are no new feature changes in this document.

# Chapter 3: Technical documentation changes

The following sections describe new, restructured, and retired documents in this release.

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## New documents

The following documents are new in this release:

- *Installing Ethernet Routing Switch 3500 Series*
- *Configuring Systems on Ethernet Routing Switch 3500 Series*

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## Restructured documents

The following documents are renamed. The table maps the old document title to the renamed document title.

**Table 1: Mapping of old document titles to new document titles**

Old document	New document
<i>Fundamentals of Ethernet Routing Switch 3500 Series, NN47203-102</i>	<i>Using CLI and EDM on Ethernet Routing Switch 3500 Series</i>
<i>Getting Started with Ethernet Routing Switch 3500 Series, NN47203-301</i>	<i>Quick Start Configuration for Ethernet Routing Switch 3500 Series,</i>
<i>Configuring Layer 2 on Ethernet Routing Switch 3500 Series, NN47203-500</i>	<i>Configuring VLANs, Spanning Tree, and MultiLink Trunking on Ethernet Routing Switch 3500 Series</i>

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## Retired documents

No documents were retired in this release.

# Chapter 4: Roadmap

Use this section to find the correct document for the task you need to perform.

---

## Customer documentation packaging

Extreme Networks technical documents are organized according to job functions. Following are the job functions:

- [Product fundamentals](#) on page 11
- [Installation and commissioning](#) on page 12
- [Upgrades and Patches](#) on page 13
- [Operations](#) on page 13
- [Administration and Security](#) on page 13
- [Fault and Performance Management](#) on page 14

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## Product fundamentals

Product fundamentals documentation includes product overview and information that applies to all areas of the product.

**Table 2: ERS 3500 Series product fundamentals documents**

Document title	Description
<i>Regulatory Reference for Ethernet Routing Switch 3500 Series</i>	Provides regulatory information and precautionary messages.
<i>Documentation Reference for Ethernet Routing Switch 3500 Series</i>	Provides an overview of the documentation suite.
<i>Using CLI and EDM on Ethernet Routing Switch 3500 Series</i>	Describes user interfaces and information about feature licensing, if applicable.

*Table continues...*

Document title	Description
<i>CLI Commands Reference for Ethernet Routing Switch 3500 Series,</i>	Provides default values and proper syntax for the Command Line Interface (CLI) commands.
<i>Locating the documentation for Ethernet Routing Switch 3500 Series,</i>	This document provides information about locating the switch documentation and software.

## Installation and commissioning

Installation and Commissioning documentation includes information that supports initial installation and commissioning (initial configuration) activities, including preparation, processes, safety requirements, and instructions for rollback procedures.

**Table 3: ERS 3500 installation and commissioning documents**

Document title	Description
<i>Quick Start Configuration for Ethernet Routing Switch 3500 Series,</i>	Provides information and procedures to introduce the switch to the network and perform basic configuration tasks.
<i>Installing Ethernet Routing Switch 3500 Series</i>	This document provides instructions to install the switch in an equipment rack (individually or in a stack) or on a shelf. It also provides instructions to perform the initial IP configuration on the switch using CLI, BootP, or the IP.CFG file. It also provides instructions to verify the switch status using the frontpanel LEDs.
<i>Installing Transceivers and Optical Components on Ethernet Routing Switch 3500 Series</i>	Provides instructions to install small form factor pluggable (SFP) transceivers, 10 Gigabit small form factor pluggable transceivers, and includes specification for these hardware components.
<i>Installation Job Aid for Ethernet Routing Switch 3500 Series</i>	Provides instructions to install the switch in an equipment rack or on a shelf and prepare for network connectivity, as well as instructions to configure stacking.
<i>Configuring Systems on Ethernet Routing Switch 3500 Series</i>	This document provides instructions to perform basic configuration of the switch including procedures to configure the switch IP address after hardware installation. It also provides instructions to configure system-level features such as stacking, feature licensing, Simple Network Time Protocol, BootP, Domain Name System, PoE, and LLDP.

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## Upgrades and Patches

Upgrades and Patches documentation includes information to upgrade software and hardware components.

**Table 4: ERS 3500 upgrades and patches documents**

Document title	Description
<i>Release Notes for Ethernet Routing Switch 3500 Series</i>	Describes new features and important information about the latest release. Release Notes includes a list of known issues (including workarounds where appropriate) and a list of fixed issues.

---

## Operations

Operations documents include information that supports tasks related to configuration (post-commissioning) of services or applications, routine maintenance of hardware or software, and accounting or billing activities.

**Table 5: ERS 3500 Series operations documents**

Document title	Description
<i>Configuring VLANs, Spanning Tree, and MultiLink Trunking on Ethernet Routing Switch 3500 Series</i>	Provides procedures and conceptual information to configure Layer 2; can include VLANs, Spanning Tree, Link Aggregation Control Protocol, and Multi-Link Trunking.
<i>Configuring IP Routing and Multicast on Ethernet Routing Switch 3500 Series</i>	Provides procedures and conceptual information to configure IP routing features, including static routes, Proxy ARP, DHCP Relay, and UDP forwarding. It also provides procedures and conceptual information to manage multicast traffic using IGMP snooping.
<i>Configuring Quality of Service on Ethernet Routing Switch 3500 Series</i>	Provides procedures and conceptual information to configure Quality of Service.

---

## Administration and Security

Administration and Security documentation includes information that supports tasks that operations personnel perform that relate to network administration or product security, including the configuration and management of systems data and users. The documentation also includes the management and protection of resources from unauthorized or detrimental access and use.

**Table 6: ERS 3500 Series administration and security documents**

Document title	Description
<i>Configuring Security on Ethernet Routing Switch 3500 Series</i>	Provides procedures and conceptual information to administer and configure security features, including MAC-based security, RADIUS, EAPOL, and SSH.

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## Fault and Performance Management

Fault and Performance Management documents include information that supports the tasks that operations personnel perform that relate to managing or preventing faults, troubleshooting, and monitoring and improving the performance of the network or product.

**Table 7: ERS 3500 Series fault and performance management documents**

Document title	Description
<i>Configuring System Monitoring on Ethernet Routing Switch 3500 Series</i>	Provides information and system diagnostics tools including syslog, Remote Monitoring, port mirroring, and displaying ports and chassis statistics.
<i>Logs Reference for Ethernet Routing Switch 2000, 3000, 4000, 5000 Series and Virtual Services Platform 7000 Series</i>	Provides information about the various log messages generated by the system.
<i>Troubleshooting Ethernet Routing Switch 3500 Series</i>	Describes common problems and error messages and the techniques to resolve them.

# Chapter 5: Information quality

Extreme Networks technical documents are tested by subject matter experts (SMEs) throughout the product development lifecycle. SMEs from Design, Product Verification (PV), Product Line Management (PLM), and other stakeholder groups, all contribute to document quality.

On a limited basis, Extreme Networks releases technical documents in the early stages of development that have not completed all testing milestones. Documents that have not completed testing bear a Draft identification to indicate that the content they contain can change as the product is refined and document testing is completed. Draft documents are not widely available.

# Chapter 6: Text conventions

This chapter describes the text conventions used in this document.

---

## Angle brackets

When you see angle brackets in a command string they indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when you enter the command

### Example

If the command syntax is `ping <ip_address>`, then you enter the following:

```
ping 192.32.10.12
```

---

## Bold or Bold Courier text

**Bold** or **Bold Courier** text indicates command names, options, and text that you must enter.

### Example

Use the `info` command.

### Example

Enter `show ip {alerts | routes}`.

### Example

**Procotols**, **IP** identifies the IP command on the Protocols menu.

---

## Braces

Braces ({} ) indicate required elements in syntax descriptions where more than one option is available.

You must choose only one option.



Do not type the braces when you enter the command.

### Example

If the command syntax is `stack oper-mode {Pure | Hybrid}`, you must enter one of the following:

- `stack oper-mode Pure`
- `stack oper-mode Hybrid`

---

## Brackets

Brackets ([ ]) indicate optional elements in syntax descriptions. Do not type the brackets when you enter the command.

### Example

If the command syntax is `show ip interfaces [-alerts]` you can enter one of the following:

- `show ip interfaces`
- `show ip interfaces -alerts`

---

## Ellipses

An ellipsis (...) indicates that you repeat the last element of the command as needed.

### Example

If the command syntax is `ethernet/2/1 [<parameter> <value>] ...` you enter the following:

`ethernet/2/1` and as many parameter-value pairs as you need.

---

## Plain Courier text

Plain Courier text indicates system output.

### Example

Prompts and system messages like the following are presented in plain Courier text.

```
Set Trap Monitor Filters
```

## Separator

A separator ( > ) is used to define menu paths.

### Example

The following illustrates the IP command on the Protocols menu.

**Protocols > IP**

---

## Vertical bar

A vertical bar ( | ) separates choices for command keywords and arguments.

Enter only one choice.

Do not type the vertical line when you enter the command.

### Example

If the command syntax is `show ip {alerts | routes}`, you enter one of the following:

- `show ip alerts`
  - `show ip routes`
- 

## cr convention

In CLI procedures, when you see <cr> as an option for a command, you can press the `Enter` key on your keyboard to execute the command.