



Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500 Series

Release 5.2
NN47203-101
Issue 03.01
March 2014

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Chapter 1: Introduction

Purpose of this document

The Documentation Roadmap explains the organization of the technical documentation for ERS 3500 Series and you can use the roadmap to understand where you can find specific types of information in the customer documentation suite.

Related resources

Documentation

For a list of the documentation for this product, see *Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500 Series*, NN47203-101.

Training

Ongoing product training is available. For more information or to register, you can access the Web site at <http://avaya-learning.com>.

Avaya Mentor videos

Avaya Mentor videos provide technical content on how to install, configure, and troubleshoot Avaya products.

About this task

Videos are available on the Avaya Support website, listed under the video document type, and on the Avaya-run channel on YouTube.

- To find videos on the Avaya Support website, go to <http://support.avaya.com>, select the product name, and select the *videos* checkbox to see a list of available videos.
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Note:

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Chapter 2: New in this release

The following hardware and software features are new in Avaya Ethernet Routing Switch (ERS) 3500 Series Release 5.2:

ERS 3500 hardware

The following table lists and describes the new hardware supported in Release 5.2:

Hardware	Description
Modules	
Avaya Ethernet Routing Switch 3549GTS	48 10/100/1000 non-PoE and 2 shared SFP, plus 1 1/10 Gigabit SFP+ port, plus 2 rear dual mode/stacking ports.
Avaya Ethernet Routing Switch 3549GTS-PWR+	48 10/100/1000 802.3at PoE+ and 2 shared SFP, plus 1 1/10 Gigabit SFP+ port, plus 2 rear dual mode/stacking ports.

ERS 3500 software features

The following software features are new for ERS 3500 Series Release 5.2:

- Avaya Energy Saver
- SLAMon enhancements
- Simple Loop Protection Protocol (SLPP) Guard
- Unified authentication
- Flash History
- Static LACP Key to Trunk ID binding

Other changes

See the following sections for information about changes that are not feature-related.

Document title change

In Release 5.2, the title of this document changed from *Avaya Ethernet Routing Switch 3500 Series Documentation Roadmap*, NN47203-101 to *Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500 Series*, NN47203-101.

New in this release

Chapter 3: Roadmap

Product fundamentals

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

Document title	Description
<i>Regulatory Information Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-100</i>	Provides regulatory information and precautionary messages
<i>Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-101</i>	Provides an overview of the documentation suite
<i>Fundamentals of Avaya Ethernet Routing Switch 3500 Series, NN47203-102</i>	Describes user interfaces and information about feature licensing, if applicable
<i>ACLI Commands Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-103</i>	Provides default values and proper syntax for the Avaya Command Line Interface (ACLI) commands

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.

The following table describes installation and commissioning documents.

Document title	Description
<i>Installing the Avaya Ethernet Routing Switch 3500 Series, NN47203-303</i>	Provides instructions to install the Avaya Ethernet Routing Switch 3500 Series in an equipment rack or on a shelf and prepare for network connectivity.

Document title	Description
<i>Getting Started with Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-301	Provides information and procedures to introduce the switch to the network and perform basic configuration tasks.
<i>Installing the SFP, SFP+, and XFP transceivers on Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-302	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>Installing the Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-303	Provides instructions to install the Avaya Ethernet Routing Switch 3500 Series in an equipment rack or on a shelf and prepare for network connectivity, as well as instructions to configure stacking.

Upgrades and Patches

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

The following table describes Avaya Ethernet Routing Switch 3500 Series upgrades and patches documents.

Document title	Description
<i>Release Notes for Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-400	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.

The following table describes operations documents.

Document title	Description
<i>Configuring Layer 2 on Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-500	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 Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-502	Provides procedures and conceptual information to configure IP routing features on the ERS 3500 Series, 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 Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-503	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.

The following table describes Avaya Ethernet Routing Switch 3500 Series administration and security documents.

Document title	Description
<i>Configuring Security on Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-504	Provides procedures and conceptual information to administer and configure security features for the ERS 3500 Series, including MAC-based security, RADIUS, EAPOL, and SSH.

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.

The following table describes Avaya Ethernet Routing Switch 3500 Series fault and performance management documents.

Document title	Description
<i>Configuring System Monitoring on Avaya Ethernet Routing Switch 3500 Series, NN47203-501</i>	Provides information and system diagnostics tools including syslog, Remote Monitoring, port mirroring, and displaying ports and chassis statistics.
<i>Logs Reference for Avaya Enterprise Routing Switch 2000, 3000, 4000, 5000 Series and Virtual Services Platform 7000 Series, NN47216-600</i>	Provides information on the various log messages generated by the system on the ERS 2000, ERS 3000, ERS 4000, ERS 5000, and Virtual Services Platform 7000 Series.
<i>Troubleshooting Avaya Ethernet Routing Switch 3500 Series, NN47203-700</i>	Describes common problems and error messages and the techniques to resolve them.

Chapter 4: Information quality

Information quality

Avaya 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, Avaya 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 5: Text conventions

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.

Italic text

Italic text indicates book titles or new terms followed by a definition.

Example

Avaya Ethernet Routing Switch 3500 Series Documentation Roadmap, NN47203–101

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

