

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

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# **Chapter 1: Introduction**

# **Purpose**

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

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

The following sections detail what is new in *Documentation Reference for Avaya Ethernet Routing Switch 3500 Series*, NN47203-101.

## **Features**

There are no feature changes for this document.

## Other changes

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

## Document title changes

The following document titles have changed:

- Fundamentals of Avaya Ethernet Routing Switch 3500 Series, NN47203-102 is changed to Using ACLI and EDM on Avaya Ethernet Routing Switch 3500 Series, NN47203-102
- Getting Started with Avaya Ethernet Routing Switch 3500 Series, NN47203-301 is changed to Quick Start Configuration for Avaya Ethernet Routing Switch 3500 Series, NN47203-301
- Configuring Layer 2 on Avaya Ethernet Routing Switch 3500 Series, NN47203-500 is changed to Configuring VLANs, Spanning Tree, and Multi-Link Trunking on Avaya Ethernet Routing Switch 3500 Series, NN47203-500

## **New documents**

The following documents are new:

- Installing Avaya Ethernet Routing Switch 3500 Series, NN47203–304
- Configuring Systems on Avaya Ethernet Routing Switch 3500 Series, NN47203–506

# Chapter 3: Technical documentation changes

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

## **New documents**

The following documents are new in this release:

- Installing Avaya Ethernet Routing Switch 3500 Series, NN47203–304
- Configuring Systems on Avaya Ethernet Routing Switch 3500 Series, NN47203–506

## **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
Fundamentals of Avaya Ethernet Routing Switch 3500 Series, NN47203-102	Using ACLI and EDM on Avaya Ethernet Routing Switch 3500 Series, NN47203-102
Getting Started with Avaya Ethernet Routing Switch 3500 Series, NN47203-301	Quick Start Configuration for Avaya Ethernet Routing Switch 3500 Series, NN47203-301
Configuring Layer 2 on Avaya Ethernet Routing Switch 3500 Series, NN47203-500	Configuring VLANs, Spanning Tree, and Multi-Link Trunking on Avaya Ethernet Routing Switch 3500 Series, NN47203-500

## **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**

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

- Product fundamentals on page 8
- Installation and commissioning on page 9
- Upgrades and Patches on page 10
- Operations on page 10
- Administration and Security on page 10
- Fault and Performance Management on page 11

## **Product fundamentals**

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

Table 2: Avaya Ethernet Routing Switch 3500 Series product fundamentals documents

Document title	Description
Regulatory Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-100	Provides regulatory information and precautionary messages.
Documentation Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-101	Provides an overview of the documentation suite.
Using ACLI and EDM on Avaya Ethernet Routing Switch 3500 Series, NN47203-102	Describes user interfaces and information about feature licensing, if applicable.

Table continues...

Document title	Description
ACLI Commands Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-103	Provides default values and proper syntax for the Avaya Command Line Interface (ACLI) commands.
Locating the documentation for Avaya Ethernet Routing Switch 3500 Series, NN47203-104	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: Avaya Ethernet Routing Switch 3500 Series installation and commissioning documents

Document title	Description
Quick Start Configuration for Avaya Ethernet Routing Switch 3500 Series, NN47203-301	Provides information and procedures to introduce the switch to the network and perform basic configuration tasks.
Installing Avaya Ethernet Routing Switch 3500 Series, NN47203–304	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.
Installing Transceivers and Optical Components on Avaya Ethernet Routing Switch 3500 Series , 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.
Installation Job Aid (English) for Avaya Ethernet Routing Switch 3500 Series, NN47203-303	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.
Configuring Systems on Avaya Ethernet Routing Switch 3500 Series, NN47203–506	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.

## **Upgrades and Patches**

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

Table 4: Avaya Ethernet Routing Switch 3500 Series upgrades and patches documents

Document title	Description
Release Notes for Avaya Ethernet Routing Switch 3500 Series, 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.

Table 5: Avaya Ethernet Routing Switch 3500 Series operations documents

Document title	Description
Configuring VLANs, Spanning Tree, and Multi-Link Trunking on Avaya Ethernet Routing Switch 3500 Series, NN47203-500	Provides procedures and conceptual information to configure Layer 2; can include VLANs, Spanning Tree, Link Aggregation Control Protocol, and Multi-Link Trunking.
Configuring IP Routing and Multicast on Avaya Ethernet Routing Switch 3500 Series, NN47203-502	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.
Configuring Quality of Service on Avaya Ethernet Routing Switch 3500 Series, 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.

Table 6: Avaya Ethernet Routing Switch 3500 Series administration and security documents

Document title	Description
Configuring Security on Avaya Ethernet Routing Switch 3500 Series, NN47203-504	Provides procedures and conceptual information to administer and configure security features, 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.

Table 7: Avaya Ethernet Routing Switch 3500 Series fault and performance management documents

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

# **Chapter 5: 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 6: Text conventions**

This chapter describes the text conventions used in the Avaya Ethernet Routing Switch 3500 Series documentation.

## **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.

# **Chapter 7: Resources**

## **Support**

Go to the Avaya Support website at <a href="http://support.avaya.com">http://support.avaya.com</a> 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.

## **Documentation**

For a list of the documentation for this product and more information about documents on how to configure other switch features, see *Documentation Reference for Avaya Ethernet Routing Switch* 3500 Series, NN47203-101.

For more information on new features of the switch and important information about the latest release, see *Release Notes for Avaya Ethernet Routing Switch 3500 Series*, NN47203-400.

For more information about how to configure security, see *Configuring Security on Avaya Ethernet Routing Switch 3500 Series*, NN47203-504.

For the current documentation, see the Avaya Support web site: www.avaya.com/support.

# **Training**

Ongoing product training is available. For more information or to register, see <a href="http://avaya-learning.com/">http://avaya-learning.com/</a>.

Enter the course code in the **Search** field and click **Go** to search for the course.

Course code	Course title
8D00020E	Stackable ERS and VSP Products Virtual Campus Offering

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

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  - Enter a key word or key words in the Search Channel to search for a specific product or topic.
  - Scroll down Playlists, and click the name of a topic to see the available list of videos posted on the website.



Videos are not available for all products.

## Searching a documentation collection

On the Avaya Support website, you can download the documentation library for a specific product and software release to perform searches across an entire document collection. For example, you can perform a single, simultaneous search across the collection to quickly find all occurrences of a particular feature. Use this procedure to perform an index search of your documentation collection.

## Before you begin

- Download the documentation collection zip file to your local computer.
- You must have Adobe Acrobat or Adobe Reader installed on your computer.

#### **Procedure**

- 1. Extract the document collection zip file into a folder.
- 2. Navigate to the folder that contains the extracted files and open the file named cproduct name release>.pdx.

- 3. In the Search dialog box, select the option **In the index named** cproduct name release.pdx.
- 4. Enter a search word or phrase.
- 5. Select any of the following to narrow your search:
  - · Whole Words Only
  - · Case-Sensitive
  - Include Bookmarks
  - Include Comments
- 6. Click Search.

The search results show the number of documents and instances found. You can sort the search results by Relevance Ranking, Date Modified, Filename, or Location. The default is Relevance Ranking.

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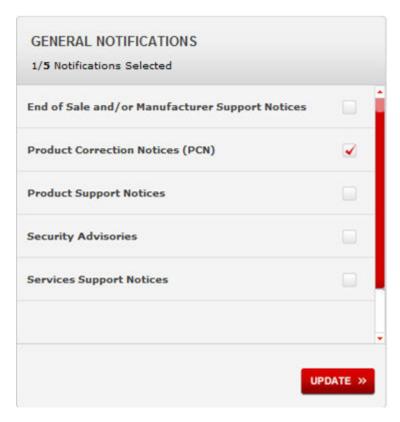
Subscribe to e-notifications to receive an email notification when documents are added to or changed on the Avaya Support website.

## About this task

You can subscribe to different types of general notifications, for example, Product Correction Notices (PCN), which apply to any product or a specific product. You can also subscribe to specific types of documentation for a specific product, for example, Application & Technical Notes for Virtual Services Platform 7000.

### **Procedure**

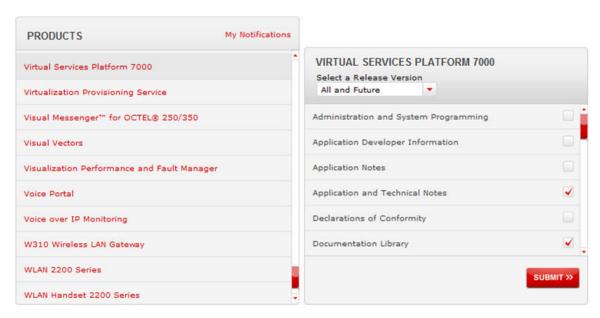
- 1. In an Internet browser, go to <a href="https://support.avaya.com">https://support.avaya.com</a>.
- 2. Type your username and password, and then click **Login**.
- 3. Under My Information, select SSO login Profile.
- 4. Click E-NOTIFICATIONS.
- 5. In the GENERAL NOTIFICATIONS area, select the required documentation types, and then click **UPDATE**.



- 6. Click OK.
- 7. In the PRODUCT NOTIFICATIONS area, click Add More Products.



- 8. Scroll through the list, and then select the product name.
- 9. Select a release version.
- 10. Select the check box next to the required documentation types.



11. Click Submit.