



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 for Avaya Ethernet Routing Switch 3500 Series. You can use this document to understand where you can find specific types of information in the customer documentation suite.

Related resources

Documentation

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

For more information about 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 website: www.avaya.com/support.

Training

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

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

Viewing 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.

Procedure

- To find videos on the Avaya Support website, go to <http://support.avaya.com> and perform one of the following actions:
 - In **Search**, type `Avaya Mentor Videos` to see a list of the available videos.
 - In **Search**, type the product name. On the Search Results page, select **Video** in the **Content Type** column on the left.
- To find the Avaya Mentor videos on YouTube, go to www.youtube.com/AvayaMentor and perform one of the following actions:
 - 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.

 **Note:**

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 `<product_name_release>.pdx`.

3. In the Search dialog box, select the option **In the index named <product_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.

Subscribing to e-notifications

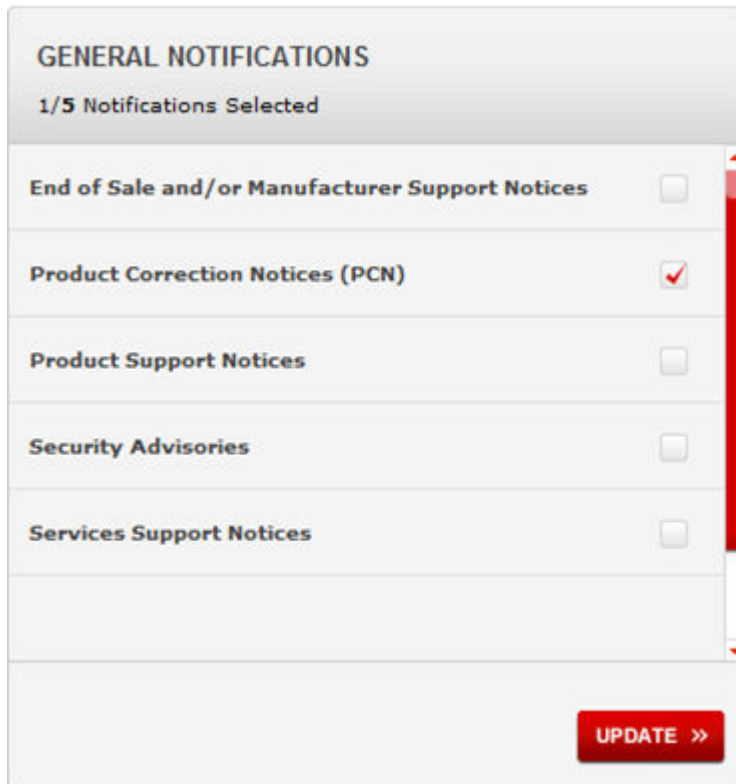
Subscribe to e-notifications to receive an email notification when documents are added to or changed on the Avaya Support website.

About this task

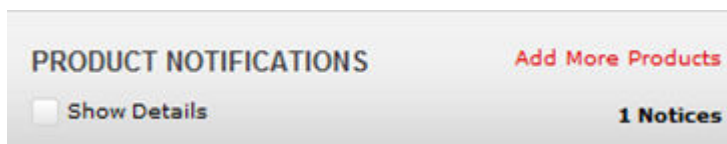
You can subscribe to different types of general notifications, for example, Product Correction Notices (PCN), which apply to any product or a specific product. You can also subscribe to specific types of documentation for a specific product, for example, Application & Technical Notes for Ethernet Routing Switch 8800.

Procedure

1. In an Internet browser, go to <https://support.avaya.com>.
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.

The screenshot shows a web interface with two main panels. The left panel, titled 'PRODUCTS', has a 'My Notifications' link in the top right. It contains a list of product names: Virtual Services Platform 7000, Virtualization Provisioning Service, Visual Messenger™ for OCTEL® 250/350, Visual Vectors, Visualization Performance and Fault Manager, Voice Portal, Voice over IP Monitoring, W310 Wireless LAN Gateway, WLAN 2200 Series, and WLAN Handset 2200 Series. The right panel is titled 'VIRTUAL SERVICES PLATFORM 7000' and features a 'Select a Release Version' dropdown menu currently set to 'All and Future'. Below this are several rows of content with checkboxes: 'Administration and System Programming' (unchecked), 'Application Developer Information' (unchecked), 'Application Notes' (unchecked), 'Application and Technical Notes' (checked), 'Declarations of Conformity' (unchecked), and 'Documentation Library' (checked). A red 'SUBMIT >>' button is located at the bottom right of the right panel.

11. Click **Submit**.

Support

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.

Chapter 2: New in this release

The following sections detail what is new in Avaya Ethernet Routing Switch 3500 Series documentation for Release 5.3.

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 change

In Release 5.3, the title of this document is changed from *Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500*, NN47203-101 to *Documentation Reference for Avaya Ethernet Routing Switch 3500 Series*, NN47203-101.

New Technical documentation changes chapter

The Technical documentation changes chapter lists the new, restructured, and retired documents.

New to the Documentation Reference

The following document is added to Documentation Reference:

- *Locating the documentation for Avaya Ethernet Routing Switch 3500 Series*, NN47203-104.

Chapter 3: Technical documentation changes

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

New documents

The following document is new in this release:

- Locating Documentation for Avaya Ethernet Routing Switch 3500 Series, NN47203-104

Restructured documents

The following documents are renamed in Release 5.3. The table maps the old document title to the renamed document title.

Table 1: Mapping of old document titles to new document titles in Release 5.3

Old document	New document
Regulatory Information Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-100	Regulatory Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-100
Documentation Roadmap Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-101	Documentation Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-101
Installing the SFP, SFP+, and XFP transceivers on Avaya Ethernet Routing Switch 3500 Series, NN47203-302	Installing Transceivers and Optical Components on Avaya Ethernet Routing Switch 3500 Series, NN47203-302
Installing Avaya Ethernet Routing Switch 3500 Series, NN47203-303	Installation Job Aid (English) for Avaya Ethernet Routing Switch 3500 Series, NN47203-303

Retired documents

No documents were retired in this release.

Chapter 4: Roadmap

This section is a roadmap for the Avaya Ethernet Routing Switch 3500 Series documentation. 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 13
- [Installation and commissioning](#) on page 14
- [Upgrades and Patches](#) on page 14
- [Operations](#) on page 15
- [Administration and Security](#) on page 15
- [Fault and Performance Management](#) on page 16

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
<i>Regulatory Reference for Avaya Ethernet Routing Switch 3500 Series, NN47203-100</i>	Provides regulatory information and precautionary messages
<i>Documentation 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

Table continues...

Document title	Description
<i>ACLI Commands Reference for Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-103	Provides default values and proper syntax for the Avaya Command Line Interface (ACLI) commands
<i>Locating the documentation for Avaya Ethernet Routing Switch 3500 Series</i> , NN47203-104	This document provides information about locating the Avaya Ethernet Routing Switch 3500 Series 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.

The following table describes installation and commissioning documents.

Table 3: Avaya Ethernet Routing Switch 3500 Series installation and commissioning documents

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 Transceivers and Optical Components 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>Installation Job Aid (English) for 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.

Table 4: 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

Document title	Description
	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.

Table 5: Avaya Ethernet Routing Switch 3500 Series operations documents

Document title	Description
<i>Configuring Layer 2 on Avaya Ethernet Routing Switch 3500 Series, NN47203-500</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 Avaya Ethernet Routing Switch 3500 Series, NN47203-502</i>	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, NN47203-503</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.

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

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

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

Document title	Description
	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.

Table 7: 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</i> , NN47203-501	Provides information and system diagnostics tools including syslog, Remote Monitoring, port mirroring, and displaying ports and chassis statistics.
<i>Logs Reference for Avaya Ethernet Routing Switch 2000, 3000, 4000, 5000 Series and Virtual Services Platform 7000 Series</i> , NN47216-600	Provides information about the various log messages generated by the system on the ERS 2000, ERS 3000, ERS 4000, ERS 5000, ERS 5900, and Virtual Services Platform 7000 Series.
<i>Troubleshooting Avaya Ethernet Routing Switch 3500 Series</i> , 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.