

Avaya Ethernet Routing Switch 3500 Series Documentation Roadmap

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Chapter 1: 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.

Purpose of this document

Chapter 2: New in this release

The following hardware and software features are new in Avaya Ethernet Routing Switch (ERS) 3500 Series Release 5.1:

ERS 3500 hardware

The following table lists and describes the new stack cables that are supported in Release 5.1:

Table 1: Hardware

Hardware	Description
Stack cables	
AL3518001-E6	ERS 3500 46cm Stack Cable
AL3518002-E6	ERS 3500 1.5m Stack Cable
AL3518003-E6	ERS 3500 3m Stack Cable

ERS 3500 software features

The following software features are new for ERS 3500 Series Release 5.1:

- 802.1X EAP Separate enable/disable
- 802.1X EAP and NEAP accounting
- Agent Auto Unit Replacement (AAUR)
- Auto Unit Replacement (AUR)
- DHCP Server
- Diagnostics Auto Unit Replacement (DAUR)
- Distributed LAG (802.3ad LACP)
- Distributed MLT
- Identify Units (Blink LEDs)
- Run IP Office Script (5.0.1)
- SLAMon Agent (5.0.2)
- Stack Forced Mode (for 2 unit stacks)
- Stack Health Check
- Stack IP address
- Stack Monitor and Statistics

New in this release

- Storm Control
- Unit Stack uptime

Chapter 3: Roadmap

Customer documentation packaging

Avaya technical documentation are organized according to job functions.

Roadmap

For information about how the Avaya Ethernet Routing Switch 3500 Series documentation suite is organized, see the following figure.

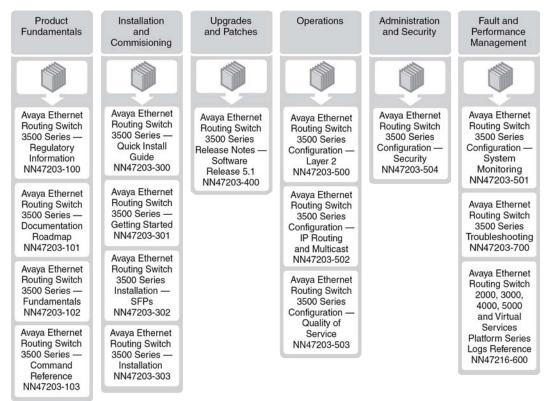


Figure 1: Avaya Ethernet Routing Switch 3500 Series documentation packaging

Product fundamentals

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

Document title	Description
Avaya Ethernet Routing Switch 3500 Series Regulatory Information, NN47203–100	Provides regulatory information and precautionary messages
Avaya Ethernet Routing Switch 3500 Series Documentation Roadmap, NN47203–101	Provides an overview of the documentation suite
Avaya Ethernet Routing Switch 3500 Series Fundamentals, NN47203–102	Describes user interfaces and information about feature licensing, if applicable
Avaya Ethernet Routing Switch 3500 Series Command Reference, NN47203–103	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
Avaya Ethernet Routing Switch 3500 Series Quick Install Guide, NN47203–300	Provides instructions to install the Avaya Ethernet Routing Switch 3500 Series in an equipment rack or on a shelf and prepare for network connectivity.
Avaya Ethernet Routing Switch 3500 Series Getting Started, NN47203–301	Provides information and procedures to introduce the switch to the network and perform basic configuration tasks.
Avaya Ethernet Routing Switch 3500 Series Installation — SFPs, NN4703–302	Provides instructions to install small form factor pluggable (SFP) transceivers, 10 Gigabit small form factor pluggable transceivers, and includes specification for these hardware components.
Avaya Ethernet Routing Switch 3500 Series Installation, NN4703–303	Provides instructions to install the Avaya Ethernet Routing Switch 3500 Series in an

Document title	Description
	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
Avaya Ethernet Routing Switch 3500 Series Release Notes — Software Release 5.1, 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
Avaya Ethernet Routing Switch 3500 Series Configuration — Layer 2, NN47203–500	Provides procedures and conceptual information to configure Layer 2; can include VLANs, Spanning Tree, Link Aggregation Control Protocol, and Multi-Link Trunking.
Avaya Ethernet Routing Switch 3500 Series Configuration — IP Routing and Multicast, 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.

Document title	Description
Avaya Ethernet Routing Switch 3500 Series Configuration — Quality of Service, 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
Avaya Ethernet Routing Switch 3500 Series Configuration — Security, 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
Avaya Ethernet Routing Switch 3500 Series Configuration — System Monitoring, NN47203–501	Provides information and system diagnostics tools including syslog, Remote Monitoring, port mirroring, and displaying ports and chassis statistics.
Avaya Ethernet Routing Switch 2000, 3000, 4000, 5000 and Virtual Services Platform 7000 Series Logs Reference, NN47216–600	Provides information on the various log messages generated by the system on the ERS 2000, ERS 3000, ERS 4000, ERS

Document title	Description
	5000, and Virtual Services Platform 7000 Series.
Avaya Ethernet Routing Switch 3500 Series — Troubleshooting, NN47203–700	Describes common problems and error messages and the techniques to resolve them.

Roadmap

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.

Information quality

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.

Text conventions