# About this Guide

This preface defines the Security Gateway, the organization of this guide and its document conventions.

The Security Gateway (SecGW) is a StarOS product that runs in a VPC-VSM instance as a StarOS virtual machine (VM) on a Virtualized Services Module (VSM) in a Cisco ASR 9000 router.

This guide assumes that Virtualized Packet Core for VSM (VPC-VSM) instances are already installed and running on one or more VSMs. There are four CPUs on the VSM, each capable of running a single VPC-VSM instance. This guide describes how to create a StarOS Wireless Security Gateway (WSG) service that enables SecGW IPSec functions on each VPC-VSM instance.

To complete the SecGW configuration process you must also have at hand the following user documentation:

- VPC DI System Administration Guide
- IPSec Reference


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# Conventions Used

The following tables describe the conventions used throughout this documentation.

| Notice Type | Description |
|---|---|
| Information Note | Provides information about important features or instructions. |
| Caution | Alerts you of potential damage to a program, device, or system. |
| Warning | Alerts you of potential personal injury or fatality. May also alert you of potential electrical hazards. |

| Typeface Conventions | Description |
|---|---|
| Text represented as a `screen display` | This typeface represents displays that appear on your terminal screen, for example:<br>`Login:` |
| Text represented as **commands** | This typeface represents commands that you enter, for example:<br>**show ip access-list**<br>This document always gives the full form of a command in lowercase letters. Commands are not case sensitive. |
| Text represented as a **command** *variable* | This typeface represents a variable that is part of a command, for example:<br>**show card** *slot_number*<br>*slot_number* is a variable representing the desired chassis slot number. |
| Text represented as menu or sub-menu names | This typeface represents menus and sub-menus that you access within a software application, for example:<br>Click the **File** menu, then click **New** |

| Command Syntax Conventions | Description |
|---|---|
| **{ keyword** or *variable* **}** | Required keyword options and variables are those components that are required to be entered as part of the command syntax.<br>Required keyword options and variables are surrounded by grouped braces { }. For example:<br>**sctp-max-data-chunks { limit** *max_chunks* **\| mtu-limit }**<br>If a keyword or variable is not enclosed in braces or brackets, it is mandatory. For example:<br>**snmp trap link-status** |
| **[ keyword** or *variable* **]** | Optional keywords or variables, or those that a user may or may not choose to use, are surrounded by brackets. |

| Command Syntax Conventions | Description |
|---|---|
| \| | Some commands support multiple options. These are documented within braces or brackets by separating each option with a vertical bar.<br>These options can be used in conjunction with required or optional keywords or variables. For example:<br>**action activate-flow-detection { intitiation \| termination }**<br>or<br>**ip address [ count** *number_of_packets* **\| size** *number_of_bytes* **]** |

# Documents and Resources

## Related Common Documentation

The most up-to-date information for this product is available in the *Release Notes* provided with each product release.

The following user documents are available:

- *AAA Interface Administration Reference*
- *Command Line Interface Reference*
- *GTPP Interface Administration Reference*
- *IPSec Reference*
- *VPC-VSM System Administration Guide*
- *Release Change Reference*
- *Statistics and Counters Reference*
- *Thresholding Configuration Guide*

## ASR 9000 Documentation

The following user documents describe how to install and configure the ASR 9000 Virtualized Service Module (VSM) via IOS-XR.

- *Cisco ASR 9000 Series Aggregated Services Router VSM (Virtualized Service Module) Line Card Installation Guide (OL-30446-01) [available March, 2014]*
- *Cisco ASR 9000 Series Aggregation Services Router Interface and Hardware Component Configuration Guide – Configuring Virtual Services on the Cisco ASR 9000 Series Router*
- *Cisco ASR 9000 Series Aggregation Services Router Carrier Grade IPv6 (CGv6) Configuration Guide – Carrier Grade IPv6 over Virtualized Services Module (VSM)*
- *Cisco ASR 9000 Series Aggregation Services Router IP Addresses and Services Configuration Guide*

# Obtaining Cisco Documentation

The most current Cisco documentation is available on the following website:

http://www.cisco.com/cisco/web/psa/default.html

Use the following URL to access the StarOS (Cisco ASR 5500 Series) documentation:

http://www.cisco.com/en/US/products/ps11072/tsd_products_support_series_home.html

Use the following URL to access the ASR 9000 documentation:

http://www.cisco.com/en/US/products/ps9853/tsd_products_support_series_home.html

# Contacting Customer Support

Use the information in this section to contact customer support.

Refer to the support area of http://www.cisco.com for up-to-date product documentation or to submit a service request. A valid username and password are required to access this site. Please contact your Cisco sales or service representative for additional information.