# About this Guide

This preface describes the *IPSec Reference*, how it is organized and its document conventions.

This guide describes configuration requirements for IP Security services. IPSec provides security for transmission of sensitive information over unprotected networks such as the Internet. IPSec is a standards-based robust solution that provides data authentication and anti-replay services in addition to data confidentiality services.

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**Important** IPSec is a suite of standard and licensed Cisco features. Contact your Cisco account representative for detailed information on specific licensing requirements. For information on installing and verifying licenses, refer to the *System Administration Guide*.

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**Important** This guide documents IPSec features that appear in the StarOS command line interface (CLI). IPSec features are not universally supported across all StarOS products. Support for IPSec features varies per platform, service type and StarOS release. Refer to the gateway administration guides and StarOS *Release Notes* for additional information.

# 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><br>`Login:` |
| Text represented as **commands** | This typeface represents commands that you enter, for example:<br><br>**show ip access-list**<br><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><br>**show card** *slot_number*<br><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><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><br>Required keyword options and variables are surrounded by grouped braces { }. For example:<br><br>**sctp-max-data-chunks { limit** *max_chunks* **| mtu-limit }**<br><br>If a keyword or variable is not enclosed in braces or brackets, it is mandatory. For example:<br><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. |
| | These options can be used in conjunction with required or optional keywords or variables. For example: |
| | `action activate-flow-detection { intitiation | termination }` |
| | or |
| | `ip address [ count `*`number_of_packets`*` | size `*`number_of_bytes`*` ]` |

# Related Documentation

## Common Documents (All Products)

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

The following common documents are available:

- Installation Guide (platform dependent)
- *AAA Interface Administration Reference*
- *Command Line Interface Reference*
- *GTPP Interface Administration Reference*
- *Release Change Reference*
- *Statistics and Counters Reference*
- *System Administration Guide* (platform dependent)
- *Thresholding Configuration Guide*

## Product Documents (Gateways)

The following product documents are also available and include information regarding IPSec configuration:

- *ePDG Administration Guide*
- *GGSN Administration Guide*
- *HA Administration Guide*
- *HNB-GW Administration Guide*
- *HSGW Administration Guide*
- *MME Administration Guide*
- *P-GW Administration Guide*
- *PDIF Administration Guide*
- *PDSN Administration Guide*

- *S-GW Administration Guide*
- *SAEGW Administration Guide*
- *SecGW Administration Guide*

# 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.