



## About this Guide



**Note** The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.



**Note** The HA, HSGW, PDSN, and SecGW products have reached end of life and are not supported in this release. Any references to these products (specific or implied) their components or functions including CLI commands and parameters in this document are coincidental and are not supported. Full details on the end of life for these products are available at <https://www.cisco.com/c/en/us/products/collateral/wireless/asr-5000-series/eos-eol-notice-c51-740422.html>.

This preface describes the *IPSG Administration Guide*, how it is organized, and its document conventions.

The IP Services Gateway (IPSG) is a StarOS™ application that runs on Cisco® ASR 5500 and virtualized platforms.

- [Conventions Used, on page i](#)
- [Supported Documents and Resources, on page iii](#)

## 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.

Notice Type	Description
Warning	Alerts you of potential personal injury or fatality. May also alert you of potential electrical hazards.

  

Typeface Conventions	Description
Text represented as a <code>screen display</code>	This typeface represents displays that appear on your terminal screen, for example:  <code>Login:</code>
Text represented as <b>commands</b>	This typeface represents commands that you enter, for example:  <b>show ip access-list</b>  This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.
Text represented as a <b>command variable</b>	This typeface represents a variable that is part of a command, for example:  <b>show card slot_number</b>  <i>slot_number</i> 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:  Click the <b>File</b> menu, then click <b>New</b>

  

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

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

## Supported Documents and Resources

### Related Common Documentation

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:

- *AAA Interface Administration and Reference*
- *Command Line Interface Reference*
- *GTPP Interface Administration and Reference*
- *Installation Guide* (hardware dependent)
- *VPC-SI System Administration Guide*
- *Release Change Reference*
- *SNMP MIB Reference*
- *Statistics and Counters Reference*
- *System Administration Guide* (hardware dependent)
- *Thresholding Configuration Guide*

### Related Product Documentation

The following product documents are also available and work in conjunction with IPSG:

- *ADC Administration Guide*
- *ECS Administration Guide*
- *GGSN Administration Guide*
- *P-GW Administration Guide*

### Obtaining Documentation

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

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

Use the following path selections to access the IPSG documentation:

Products > Wireless > Mobile Internet> Network Functions > Cisco IPSG IP Services

## 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.