



## About this Guide



**Note** The ASR 5000 hardware platform has reached end of life and is not supported in this release. Any references to the ASR 5000 (specific or implied) or its components in this document are coincidental. Full details on the ASR 5000 hardware platform end of life are available at:  
<https://www.cisco.com/c/en/us/products/collateral/wireless/asr-5000-series/eos-eol-notice-c51-735573.html>.

This preface describes the *Command Line Interface Reference* and its document conventions.

This reference describes how to use the command line interface (CLI) to interact with the products supported by the StarOS™. The CLI commands are organized by command modes in the code and in this reference. The command modes are presented alphabetically. The description of each command states the command's function, describes its syntax, presents limitations when applicable, and offers an example of its usage.

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## CLI Command Sections

The following table describes the individual sections in the command descriptions presented in this reference.

Section	Description
Product	The product(s) supporting the CLI command.
Privilege	The user privilege levels having access to the CLI command.  For more information on user types and user privileges, refer to the <i>CLI Administrative Users</i> section in the <i>Command Line Interface Overview</i> chapter.

Section	Description
Mode	The command and configuration mode sequences to the CLI configuration mode for the CLI command.  For more information on command modes, refer to the <i>CLI Command Modes</i> section in the <i>Command Line Interface Overview</i> chapter.
Syntax	The command's syntax.  For more information on CLI command syntax, refer to the <i>CLI Command Syntax</i> section in the <i>Command Line Interface Overview</i> chapter.
	Description of the keyword(s) and variable(s) in the command.
Usage	Information about the command's usage including dependencies and limitations, if any.
Example	Example(s) of the command.

## 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 <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.

Typeface Conventions	Description
Text represented as a <b>command</b> <i>variable</i>	<p>This typeface represents a variable that is part of a command, for example:</p> <pre><b>show card</b> <i>slot_number</i></pre> <p><i>slot_number</i> is a variable representing the desired chassis slot number.</p>
Text represented as menu or sub-menu names	<p>This typeface represents menus and sub-menus that you access within a software application, for example:</p> <p>Click the <b>File</b> menu, then click <b>New</b></p>
Command Syntax Conventions	Description
{ <b>keyword</b> or <i>variable</i> }	<p>Required keyword options and variables are those components that are required to be entered as part of the command syntax.</p> <p>Required keyword options and variables are surrounded by grouped braces { }. For example:</p> <pre><b>sctp-max-data-chunks</b> { <b>limit</b> <i>max_chunks</i>   <b>mtu-limit</b> }</pre> <p>If a keyword or variable is not enclosed in braces or brackets, it is mandatory. For example:</p> <pre><b>snmp trap link-status</b></pre>
[ <b>keyword</b> or <i>variable</i> ]	<p>Optional keywords or variables, or those that a user may or may not choose to use, are surrounded by brackets.</p>
	<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><b>action activate-flow-detection</b> { <b>intitiation</b>   <b>termination</b> }</pre> <p>or</p> <pre><b>ip address</b> [ <b>count</b> <i>number_of_packets</i>   <b>size</b> <i>number_of_bytes</i> ]</pre>

# Supported Documents and Resources

## Related Common Documentation

The following common documents are available:

- *AAA Interface Administration Reference*
- *GTPP Interface Administration Reference*
- *Installation Guide* (platform dependant)
- *Release Change Reference*
- *SNMP MIB Reference*
- *Statistics and Counters Reference*
- *System Administration Guide* (platform dependant)
- *Thresholding Configuration Guide*

## Related Product Documentation

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

The following related product documents are also available:

- *ADC Administration Guide*
- *CF Administration Guide*
- *ECS Administration Guide*
- *ePDG Administration Guide*
- *eWAG Administration Guide*
- *GGSN Administration Guide*
- *HA Administration Guide*
- *HeNB-GW Administration Guide*
- *HNB-GW Administration Guide*
- *HSGW Administration Guide*
- *InTracer Installation and Administration Guide*
- *IPSec Reference*
- *IPSG Administration Guide*
- *MME Administration Guide*
- *MURAL Installation and Administration Guide*
- *MURAL User Guide*
- *MVG Administration Guide*
- *NAT Administration Guide*
- *P-GW Administration Guide*
- *PDSN Administration Guide*
- *PSF Administration Guide*
- *S-GW Administration Guide*
- *SAEGW Administration Guide*
- *SaMOG Administration Guide*

- *SCM Administration Guide*
- *SecGW Administration Guide*
- *SGSN 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 this documentation:

Products > Wireless > Mobile Internet> Platforms > Cisco ASR 5000 Series > Cisco ASR 5000

## 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.

