



## About this Guide

This preface describes the *ASR 5500 System Administration Guide*, how it is organized and its document conventions.

The *System Administration Guide* describes how to generally configure and maintain StarOS running on an ASR 5500 platform. It also includes information on monitoring system performance and troubleshooting.

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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><br>Login: |

| Typeface Conventions                                 | Description  |
|--|--|
| Text represented as <b>commands</b>                  | <p>This typeface represents commands that you enter, for example:</p> <p><b>show ip access-list</b></p> <p>This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.</p>  |
| 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> <p><b>show card</b> <i>slot_number</i></p> <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> <p><b>sctp-max-data-chunks { limit <i>max_chunks</i>   mtu-limit }</b></p> <p>If a keyword or variable is not enclosed in braces or brackets, it is mandatory. For example:</p> <p><b>snmp trap link-status</b></p> |
| [ <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>  |

| 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> |

## Related Documentation

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

The following user documents are available on [www.cisco.com](http://www.cisco.com):

- *ASR 5500 Installation Guide*
- *AAA Interface Administration and Reference*
- *Command Line Interface Reference*
- *GTPP Interface Administration and Reference*
- *IPSec Reference*
- *Release Change Reference*
- *SNMP MIB Reference*
- *Statistics and Counters Reference*
- *Thresholding Configuration Guide*
- Product-specific and feature-specific Administration guides

## MIOs and DPCs

The ASR 5500 supports a variety of Management Input/Output and Data Processing Card types.

The currently supported Management Input/Output card types include:

- Management Input/Output (MIO)
- Universal Management Input/Output (UMIO)
- Management Input/Output version 2 (MIO2)

MIO and UMIO card types differ only by the UMIO requirement for a Universal chassis license. The MIO2 is only supported on ASR 5500 running StarOS release 20.0+.

The currently supported Data Processing Card types include:

- Data Processing Card (DPC)

- Universal Data Processing Card (UDPC)
- Data Processing Card version 2 (DPC2)
- Universal Data Processing Card version 2 (UDPC2)

DPC and UDPC card types differ only by the UDPC requirement for a Universal chassis license. DPC2 and UDPC2 card types differ only by the UDPC2 requirement for a Universal chassis license. The DPC2/UDPC2 is only supported on ASR 5500 running StarOS release 18.2+.

When reference is made to an MIO card or DPC in this guide, it is presumed to apply to all types of these cards as identified above.

## 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.