



Cisco ASR 5000 Series AAA and GTP Interface Administration and Reference Addendum

Release 12.2

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About this Guide





This document pertains to the features and functionality that run on and/or that are related to the Cisco® ASR 5000 Chassis.

This preface includes the following sections:

- [Conventions Used](#)
- [Contacting Customer Support](#)
- [Additional Information](#)

Conventions Used

The following tables describe the conventions used throughout this documentation.

Icon	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.
	Electrostatic Discharge (ESD)	Warns you to take proper grounding precautions before handling ESD sensitive components or devices.

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

Command Syntax Conventions	Description
{ keyword or <i>variable</i> }	Required keywords and variables are surrounded by braces. They must be entered as part of the command syntax.
[keyword or <i>variable</i>]	Optional keywords or variables that may or may not be used are surrounded by brackets.

Command Syntax Conventions	Description
	<p>Some commands support alternative variables. These “options” are documented within braces or brackets by separating each variable with a vertical bar.</p> <p>These variables can be used in conjunction with required or optional keywords or variables. For example:</p> <pre>{ nonce timestamp }</pre> <p>OR</p> <pre>[count <i>number_of_packets</i> size <i>number_of_bytes</i>]</pre>

Contacting Customer Support

Go to <http://www.cisco.com/cisco/support/> to submit a service request. A valid Cisco account (username and password) is required to access this site. Please contact your Cisco account representative for additional information.

Additional Information

Refer to the following guides for supplemental information about the ASR 5000 chassis:

- *ASR 5000 Command Line Interface Reference*
- *Statistics and Counters Reference*
- *Thresholding Configuration Guide*
- *Cisco ASR 5000 SNMP MIB Reference*
- *Cisco Web Element Manager Installation and Administration Guide*
- Product-specific and feature-specific Administration guides
- *Release Notes* that accompany updates and upgrades to StarOS

Chapter 1

Affected Documents

This addendum provides new and/or expanded information for documentation pertaining to AAA functionality delivered as part of this 12.2 release.

Documentation updates provided in this addendum pertain to the documents listed in the following table and correspond to the stated release date(s):

Document	Part Number	Release Date
<i>Cisco ASR 5000 Series AAA and GTP Interface Administration and Reference: Version 12.2</i>	OL-25593-02	December 15, 2011
<i>Cisco ASR 5000 Series Change Reference: Release 12.0, 12.1 and 12.2</i>	OL-25191-05	December 15, 2011

Chapter 2

Diameter Attribute Definitions

This chapter identifies new or modified Diameter attributes available in this 12.2 release.

SN-Charging-Id

This AVP contains the charging identifier. This AVP is new in 12.0 and 12.1 releases.

AVP Header
525 8164

Vendor ID
8164

VSA Type
525

AVP Type
OCTETSTRING

Group Value
N/A

AVP Flag
N/A

Wildcarded-Public-Identity

This AVP contains Wildcarded PSI or Wildcarded Public User Identity stored in the HSS. This AVP is new in 12.0 and 12.1 releases.

AVP Header
634 10415

Vendor ID
10415

VSA Type
634

AVP Type
UTF8STRING

Group Value
N/A

AVP Flag
N/A

Chapter 3

RADIUS Attribute Definitions

This chapter presents the modifications made to RADIUS attribute definitions in this 12.2 release.

Attributes

SN-Disconnect-Reason

This attribute indicates the reason the user was disconnected from service.

This attribute is also accepted in CoA request message to be used in a currently active subscriber session.

Type

26

Vendor ID

8164

VSA Type

3

Length

4

Value

Enumerated integer. Three new supported attribute values have been added in this release, as follows:

- tcp-remote-close = 496
- tcp-reset-received = 497
- tcp-socket-error = 498

SN1-Disconnect-Reason

This attribute contains the reason the user was disconnected from service.

This attribute is also accepted in CoA request message to be used in a currently active subscriber session.

Type

26

Vendor ID

8164

VSA Type

3

Length

4

Value

Enumerated integer. Three new supported attribute values have been added in this release, as follows:

- tcp-remote-close = 496
- tcp-reset-received = 497
- tcp-socket-error = 498

