



Cisco ASR 5000 Series Packet Data Gateway/Tunnel Termination Gateway Administration Guide Addendum

Version 11.0

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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: <i>Login:</i>
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/web/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 system:

- *Command Line Interface Reference*
- *Statistics and Counters Reference*
- *Thresholding Configuration Guide*
- *SNMP MIB Reference*
- *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 pertaining to the PDG/TTG documentation delivered as part of the 11.0 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 Packet Data Gateway/Tunnel Termination Gateway Administration Guide: Version 11.0</i>	OL-24226-01	January 14, 2011

Chapter 2

Packet Data Gateway/Tunnel Termination Gateway Administration Guide

A note similar to the following has been added to a number of feature descriptions in the Overview chapter of the *Packet Data Gateway/Tunnel Termination Gateway Administration Guide*:



Important: This feature is not fully qualified and is not supported for field deployment. It is available for lab use only.

These notes apply to the following Release 11.0 PDG/TTG features:

- PDG mode
- DSCP marking for IPSec access (support for storing the QoS configuration on a per-QCI level instead of the class level)
- Diameter support
- Multiple authentication support
- Threshold crossing alerts
- AAA mediation accounting and offline charging