



About this Guide

This preface describes who should read the *Cisco Network Module Enhanced Application Performance Assurance User Guide*, how it is organized, and its document conventions.

This guide is for experienced network administrators who are responsible for configuring and maintaining the Network Module Enhanced Application Performance Assurance (NME-APA) module.

All of the configuration tasks described in this guide should be performed through the Application Performance Assurance Device Console (APADC), for further details see the *Cisco Application Performance Assurance Device Console User Guide*. The configuration tasks described in this guide are for illustrative purposes only and should only be carried out by a qualified technician.

Document Revision History

The Document Revision History below records changes to this document.

Revision	Cisco Service Control Release and Date	Change Summary
OL-14496-02	2.0.0 September, 2008	Addition of new command to configure traffic management. See Configuring Traffic Management on the Application Performance Assurance , page 2-3. Addition of appendix to describe NetFlow fields. See NetFlow Records: Formats and Field Contents , page C-1 Addition of appendix to describe interoperability examples. See Interoperability Examples , page D-1.
OL-14496-01	1.0.0 August, 2007	This is the first version of this document.

Organization

This guide contains the following sections:

Section	Title	Description
1	Cisco Application Performance Assurance Overview, page 1-1	Overview of NME-APA management.
2	Getting Started with Application Performance Assurance, page 2-1	Overview of getting started with the NME-APA module; downloading the software images and installing the software.
3	Command Line Interface, page 3-1	Detailed explanation of how to use the Cisco NME-APA Command-line Interface.
4	Operations, page 4-1	Explanation of how to manage the NME-APA module.
5	Utilities, page 5-1	Explanation of the setup wizard and the user log, as well as of file operations.
6	Configuring Security, page 6-1	Explanation of how to configure security on the NME-APA module.
7	Configuring the Line Interface, page 7-1	Explanation of how to configure traffic rules.
8	Failure Recovery, page 8-1	Explanation of how to configure failure behaviors.
9	Raw Data Formatting: The RDR Formatter, page 9-1	Explanation of how to monitor the RDR Formatter.
10	Managing Users, page 10-1	Explanation of how to import and export user information and how to monitor users.
A	Monitoring NME-APA Module Utilization, page A-1	Explanation of how to monitor NME-APA modules that are installed in real traffic.
B	MIB Reference, page B-1	Definition of the MIBs used by the NME-APA module.
C	NetFlow Records: Formats and Field Contents, page C-1	Description of the NetFlow fields.
D	Interoperability Examples, page D-1	Description of the configuration of several router features.

Related Publications

Your NME-APA module and the software running on it contain extensive features and functionality, which are documented in the following resources:

- For further information regarding the CLI and a complete listing of all CLI commands, refer to the *Cisco Network Module Enhanced Application Performance Assurance CLI Command Reference*
- For module installation information refer to *Installing Cisco Network Modules in Cisco Access Routers* at http://www.cisco.com/en/US/products/hw/modules/ps2797/products_module_installation_guide_chapter09186a008007c8ec.html.

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands and keywords and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{ x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note

Means *reader take note*.



Tip

Means *the following information will help you solve a problem*.



Caution

Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.



Timesaver

Means *the described action saves time*. You can save time by performing the action described in the paragraph.



Warning

Means *reader be warned*. In this situation, you might perform an action that could result in bodily injury.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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