



## About this Guide

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**Revised: August 15, 2007, OL-14496-01**

This preface describes who should read the *Cisco Network Module Enhanced Application Performance Assurance (NME-APA) 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 NME-APA module.

All of the configuration tasks described in this guide should be performed through the NME-APA Device Console, for further details see the *Cisco NME-APA 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.

This introduction provides information about the following topics:

- [Document Revision History, page xiii](#)
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## Document Revision History

Cisco Service Control Release	Part Number	Publication Date
Release 1.0.0	OL-14496-01	August, 2007

### Description of Changes

This is the first version of this document.

# Organization

The major sections of this guide are as follows:

Chapter	Title	Description
Chapter 1	<a href="#">General Overview, page 1-1</a>	Overview of NME-APA management..
Chapter 2	<a href="#">Getting Started with Application Performance Assurance, page 2-1</a>	Overview of getting started with the NME-APA Device Console; downloading the software images and installing the software.
Chapter 3	<a href="#">Command Line Interface, page 3-1</a>	Detailed explanation of how to use the Cisco NME-APA Command-line Interface.
Chapter 4	<a href="#">Operations, page 4-1</a>	Explanation of how to manage the NME-APA module.
Chapter 5	<a href="#">Utilities, page 5-1</a>	Explanation of the setup wizard and the user log, as well as of file operations.
Chapter 6	<a href="#">Configuring Security, page 6-1</a>	Explanation of how to configure security on the NME-APA module.
Chapter 7	<a href="#">Configuring the Line Interface, page 7-1</a>	Explanation of how to configure traffic rules.
Chapter 8	<a href="#">Failure Recovery, page 8-1</a>	Explanation of how to configure failure behaviors.
Chapter 9	<a href="#">Raw Data Formatting: The RDR Formatter, page 9-1</a>	Explanation of how to monitor the RDR Formatter.
Chapter 10	<a href="#">Managing Users, page 10-1</a>	Explanation of how to import and export user information and how to monitor users.
Appendix A	<a href="#">Monitoring NME-APA Module Utilization, page A-1</a>	Explanation of how to monitor NME-APA modules that are installed in real traffic.
Appendix B	<a href="#">MIB Reference, page B-1</a>	Definition of the MIBs used by the NME-APA module.

## 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 full details on configuring and managing the NME-APA Module, see the *Cisco Network Module Enhanced Application Performance Assurance (NME-APA) User Guide* .

- For further information regarding the CLI and a complete listing of all CLI commands, refer to the *Cisco Network Module Enhanced Application Performance Assurance (NME-APA) CLI Command Reference*
- For complete installation information, including initial configuration, refer to the relevant installation guide:
  - *Cisco Network Module Enhanced Application Performance Assurance (NME-APA) Installation Guide*

**Note**

Note You can access Cisco software configuration and hardware installation and maintenance documentation on the World Wide Web at Cisco Website URL. Translated documentation is available at the following URL: International Cisco Website

## Conventions

This document uses the following conventions:

**Table 1**

Convention	Description
<b>boldface font</b>	Commands and keywords are in <b>boldface</b> .
<i>italic font</i>	Arguments for which you supply values are in <i>italics</i> .
[ ]	Elements in square brackets are optional.
{x   y   z}	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.
screen font	Terminal sessions and information that the system displays are in <code>screen font</code> .
<b>boldface screen font</b>	Information you must enter is in <b>boldface screen font</b> .
<i>italic screen font</i>	Arguments for which you supply values are in <i>italic screenfont</i> .
<>	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**

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Means *reader take note* . Notes contain helpful suggestions or references to materials not covered in this manual.

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

Means *reader be warned* . In this situation, you might do something that could result in bodily injury.

## Obtaining Documentation

- The following sections provide sources for obtaining documentation from Cisco Systems.

### World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following sites:

- <http://www.cisco.com>
- <http://www-china.cisco.com>
- <http://www-europe.cisco.com>

### Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package that ships with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

### Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco Product documentation from the networking Products MarketPlace:  
[http://www.cisco.com/cgi-bin/order/order\\_root.pl](http://www.cisco.com/cgi-bin/order/order_root.pl)
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:  
<http://www.cisco.com/pcgi-bin/marketplace/welcome.pl>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, in North America, by calling 800 553-NETS(6387).

## Documentation Feedback

If you are reading Cisco product documentation on the World Wide Web, you can submit technical comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco.

You can e-mail your comments to [bug-doc@cisco.com](mailto:bug-doc@cisco.com).

To submit your comments by mail, use the response card behind the front cover of your document, or write to the following address:

Attn Document Resource Connection

Cisco Systems, Inc.

170 West Tasman Drive

San Jose, CA 95134-9883

We appreciate your comments.

## Obtaining Technical Assistance

Cisco provides [Cisco.com, page xvii](#) as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools. For Cisco.com registered users, additional troubleshooting tools are available from the TAC website.

### Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information and resources at any time, from anywhere in the world. This highly integrated Internet application is a powerful, easy-to-use tool for doing business with Cisco.

Cisco.com provides a broad range of features and services to help customers and partners streamline business processes and improve productivity. Through Cisco.com, you can find information about Cisco and our networking solutions, services, and programs. In addition, you can resolve technical issues with online technical support, download and test software packages, and order Cisco learning materials and merchandise. Valuable online skill assessment, training, and certification programs are also available.

Customers and partners can self-register on Cisco.com to obtain additional personalized information and services. Registered users can order products, check on the status of an order, access technical support, and view benefits specific to their relationships with Cisco.

To access Cisco.com, go to <http://www.cisco.com>.

## Technical Assistance Center

The Cisco Technical Assistance Center (TAC) website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

## Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website <http://www.cisco.com/tac>.

P3 and P4 level problems are defined as follows:

- P3—Your network is degraded. Network functionality is noticeably impaired, but most business operations continue.
- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for [Cisco.com](http://www.cisco.com), [page xvii](#), go to <http://tools.cisco.com/RPF/register/register.do>.

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at <http://www.cisco.com/tac/caseopen>.

## Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to <http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>.

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.