About This Guide

This guide describes how to use Cisco Network Analysis Module Traffic Analyzer 4.2 (NAM 4.2) software. This preface has the following sections:

NAM 4.2 software supports the following NAM models (SKU):

- NAM2220
- NAM2204-RJ45
- NAM2204-SFP
- WS-SVC-NAM-1
- WS-SVC-NAM-1-250S
- WS-SVC-NAM-2
- WS-SVC-NAM-2-250S
- NME-NAM-80S
- NME-NAM-120S

The NAM Virtual Service Blade (VSB) 4.2 software also provides integrated performance monitoring with the Cisco WAAS appliances:

- WAVE-574
- WAE-674

and with the Cisco Nexus 1010 Virtual Services Appliance:

- N1K-C1010

> **Note** For information more specific to the Virtual Service Blades, refer to the *User Guide for the Cisco Network Analysis Module Virtual Service Blades, Release 4.2*.

Throughout this guide we use NAM SKUs to indicate a specific NAM model and the following general references:

- A reference to a *NAM-1 device* indicates any of the following modules:
  - WS-SVC-NAM-1
  - WS-SVC-NAM-1-250S

- A reference to a *NAM-2 device* indicates any of the following modules:
  - WS-SVC-NAM-2
  - WS-SVC-NAM-2-250S

- A reference to *an NME-NAM device* indicates any of the following modules:
  - NME-NAM
  - NME-NAM-80S
  - NME-NAM-120S

Chapter Overview

This user guide contains the following chapters and appendices:

- Chapter 1, "Overview of the NAM Traffic Analyzer" provides an overview of the NAM Traffic Analyzer, describes the GUI, and provides information about how to use various components of the NAM Traffic Analyzer.

- Chapter 2, "User and System Administration" provides information about performing user and system administration tasks and generating diagnostic information for obtaining technical assistance.

- Chapter 3, "Setting Up the Application" provides information about setting up the NAM Traffic Analyzer applications.

- Chapter 4, "Monitoring Data" provides information about options for viewing and monitoring various types data.

- Chapter 5, "Creating and Viewing Reports" provides information about the NAM Traffic Analyzer reports function which allows you to store and retrieve short and medium-term historical data about the network traffic monitored by the NAM.

- Chapter 6, "Capturing and Decoding Packet Data" provides information about how to set up multiple buffers for capturing, filtering, and decoding packet data, manage the data in a file control system, and display the contents of the packets.

- Chapter 7, "Viewing Alarms" provides information about how to set up alarms to warn of predefined conditions based on a rising data threshold, a falling data threshold, or both. You can set thresholds for the NAM MIB, NAM voice-monitoring, and switch thresholds.

- Appendix A, "Troubleshooting," provides information about how to troubleshoot some common issues you might encounter while using the NAM Traffic Analyzer.

- Appendix B, "Supported MIB Objects," provides information about the MIB objects supported in the NAM Traffic Analyzer.

Audience

This guide is designed for network administrators who are responsible for setting up and configuring Network Analysis Modules (NAMs) to monitor traffic and diagnose emerging problems on network segments. As a network administrator, you should be familiar with:

- Basic concepts and terminology used in internetworking.
- Network topology and protocols.
- Basic UNIX commands or basic Windows operations.

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This document uses the following conventions:

Item	Convention
Commands and keywords	**boldface** font
Variables for which you supply values	*italic* font
Displayed session and system information	`screen` font
Information you enter	**`boldface screen`** font
Variables you enter	*`italic screen`* font
Menu items and button names	**boldface** font
Selecting a menu item in paragraphs	**Option > Network Preferences**
Selecting a menu item in tables	Option > Network Preferences

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

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

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