Contents

CHAPTER 1

About the Cisco Security Packet Analyzer 2400 Series Appliance 1-1
- Cisco Security Packet Analyzer 2400 Appliance Views and LEDs 1-2
- Input/Output Ports and Connectors 1-4
  - Packet Analyzer Management Port (LAN 1) 1-4
  - Serial (Console) Port Connector and Cable 1-5
  - Small Form-Factor Pluggable (SFP) Modules 1-5
- KVM Console 1-6
- AC Power Supplies 1-6

Summary of Appliance Features 1-7
- Cisco Security Packet Analyzer 2400 Feature 1-7

CHAPTER 2

Requirements and Restrictions 2-2

Installation Process Summary 2-2

Unpack and Inspect the Appliance 2-4
- Cisco Cisco Security Packet Analyzer 2400 Appliance Packing List 2-5

Install the Appliance in a Rack 2-5

Install the Transceiver Modules 2-6

Connect the Power 2-7

Connect the Appliance Cables 2-8
- Connect the Management Port 2-8
- Connect the Monitoring Ports 2-9
  - Direct Connections 2-9
  - Optical Tap Connections 2-9
- Connect a Console Terminal 2-11
- Connect a Monitor to the Appliance 2-12

Power Up the Appliance 2-12

CHAPTER 3

Logging In For the First Time 3-1

Changing the Root Password 3-2
- Examples 3-3
  - Changing the Packet Analyzer Root Password: Example 3-3
  - Verifying the Packet Analyzer Root Password: Example 3-3

Resetting the Packet Analyzer Root Password to the Default Value 3-3
Establishing Network Connectivity 3-4
Checking Your Configuration 3-5
Enabling the Cisco Security Packet Analyzer Web Server 3-6
Verifying System Status 3-8
Configuring a Monitored Device 3-10
Configuring a Monitored Device Interface 3-10
Creating a SPAN Session 3-10
Opening and Closing a Telnet or SSH Session to the Packet Analyzer 3-11
Examples 3-12
Setting up the CIMC 3-13
Setting up Serial Console Connection 3-14
Setting up Serial Console Access through External RJ-45 Port 3-14
Shutting Down and Starting Up the Appliance 3-14

CHAPTER 4
Configuring the iSCSI Array 4-1
Locating the Packet Analyzer IQN 4-2
Connecting the Storage Array 4-2

CHAPTER 5
General Maintenance Guidelines 5-1
Reading the LEDs 5-1
Cisco Packet Analyzer 2400 LEDs 5-2
Cisco Security Packet Analyzer 2400 5-2
Reading the Cisco Cisco Security Packet Analyzer 2400 Rear-Panel LEDs 5-4
Reading the NIC LEDs 5-5
Reading the AC Power Supply LED 5-6
Replacing Appliance Components 5-7
Installing or Removing a UCS PCIe NIC Card 5-7
Replacing Transceiver Modules 5-7
Removing and Replacing a Hard Disk Drive 5-8
Installing or Replacing a Power Supply. 5-8
Removing or Replacing the Cisco Security Packet Analyzer 2400 Series Appliances 5-8

CHAPTER 6
Backing Up Your Configuration 6-1
Restoring Your Configuration 6-2
Upgrading Your Software 6-2
Recovery Installation 6-3

APPENDIX A **Troubleshooting** A-1

Troubleshooting Guidelines A-1
Troubleshooting Appliance Problems A-2
Serial Number Locations A-5

APPENDIX B **Safety Guidelines** B-1

General Precautions B-1
Safety with Equipment B-2
Safety with Electricity B-3
Preventing Electrostatic Discharge Damage B-4
Lifting Guidelines B-5

APPENDIX C **Technical Specifications** C-1

Cisco Security Packet Analyzer2400 Technical Specifications C-1
SFP Port Cable Specifications C-1
Optical Tap Devices C-1

APPENDIX D **Sample Site Log and Preinstallation Task Checklist** D-1

Sample Site Log D-1
Sample Preinstallation Task Checklist D-3

APPENDIX E **Helper Utility** E-1

Helper Utility Menu Summary E-2
Option n - Configure Network E-2
Option 1 - Download Application Image and Write to HDD E-3
Option 2 - Download Application Image and Reformat HDD E-4
Option 3 - Install Application Image from CD E-4
Option 4 - Display Software Versions E-4
Option 5 - Reset Application Image CLI Passwords to Default E-5
Option 6- Send Ping E-5
Option 7 - Configure Capture RAID Settings E-5
Option 8 - Install Application Image From Flash and Reformat HDD E-6
Option f - Check For and Fix Filesystem Errors on Local Disk E-6
Option s - Show Upgrade Log E-6
Option r - Exit and Reset Services Engine E-6
Option h - Exit and Shutdown Services Engine E-6