



Release Notes for the PIX Firewall Version 4.4(6)

September 2000

Contents

This document includes the following sections:

- Contents
- Introduction
- System Requirements
- New and Changed Information
- Installation Notes
- Limitations and Restrictions
- Important Notes
- Caveats
- Related Documentation
- Obtaining Documentation
- Obtaining Technical Assistance



Note

Version 4.4(6) fixes caveats CSCds30699 and CSCdr91002 only. If your configuration includes the **fixup protocol smtp** *port_number* command and either a **conduit** or **access-list** command statement permitting access to SMTP, you should install version 4.4(6) immediately to counter a vulnerability in the Mail Guard feature.



Corporate Headquarters: Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Copyright © 2000. Cisco Systems, Inc. All rights reserved.

78-6804-06

Introduction

This document describes only the changes for version 4.4(6) of the PIX Firewall software.

For information on previous version 4.4 features, installation notes, limitations and restrictions, usage notes, and caveats, refer to the release notes at these following sites:

- Version 4.4(1): http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pixrn44.htm
- Version 4.4(2): http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pixrn442.htm
- Version 4.4(3): http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pixrn443.htm
- Version 4.4(4): http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pixrn444.htm
- Version 4.4(5): http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pixrn445.htm

System Requirements

The information contained in these release notes applies to all PIX Firewall hardware models running software version 4.4 or later.

Version 4.4 supports one of the following interface combinations:

- One 4-port Ethernet card and one or two Ethernet or Token Ring cards, which can be intermixed such as, a 4-port Ethernet card and two Token Ring cards
- Up to four single-port Ethernet or Token Ring cards, either separate or intermixed
- Two FDDI cards

Memory Requirements

Version 4.4 requires at least 16 MB of RAM (optional memory upgrades are available) and at least 2 MB of Flash memory. Use the **show version** command to verify how much Flash and RAM memory is in your PIX Firewall.

Maximum Configuration Size

The maximum configuration size is 350 KB for all Flash memory sizes.

PIX Firewall Manager Interoperability

You can use PIX Firewall version 4.4(6) with the PIX Firewall Manager version 4.3(2)e. Refer to the *Release Notes for the PIX Firewall Manager Version 4.3(2)e* for more information. You can view this document online at the following site:

http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/pfm432e.htm

The PIX Firewall Manager (PFM) lets you manage PIX Firewall units; however, it does not let you configure any PIX Firewall features added after version 4.3(2).

The “Frequently Asked Questions” section in the PFM release notes provides useful troubleshooting information.

Cisco Secure Policy Manager Interoperability

Cisco Secure Policy Manager (CSPM), version 2.2, provides policy-based management support for PIX Firewall units running a version 4.2(*n*), 4.4(*n*), or 5.1(*n*) software image.

Refer to the documentation set for CSPM at the following site:

<http://www.cisco.com/univercd/cc/td/doc/product/ismg/policy/index.htm>

New and Changed Information

Version 4.4(6) fixes caveats CSCds30699 and CSCdr91002 only. If your configuration includes the **fixup protocol smtp port_number** command and either a **conduit** or **access-list** command statement permitting access to SMTP, you should install version 4.4(6) immediately to counter a vulnerability in the Mail Guard feature.

Installation Notes

No new installation notes were added in version 4.4(6).

Limitations and Restrictions

No new limitations or restrictions were added in version 4.4(6).

Important Notes

No new important notes were added in version 4.4(6).

Caveats

Resolved Caveats

- CSCds30699
PIX Firewall continues to filter SMTP commands if the DATA command fails. Previously, the Mail Guard feature would stop filtering if the DATA command failed. The Mail Guard feature is enabled with the **fixup protocol smtp port_number** command, which is enabled in the PIX Firewall unit's default configuration.
- CSCdr91002
Multiple SMTP commands contained in a single packet are no longer permitted and are now dropped.

Related Documentation

Use this document with the version 4.4 document set, which is available online at the following site:
http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_v44/index.htm

Obtaining Documentation

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

Documentation CD-ROM

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

Ordering Documentation

Registered CCO users can order the Documentation CD-ROM and other Cisco Product documentation through our online Subscription Services at <http://www.cisco.com/cgi-bin/subcat/kaojump.cgi>.

Nonregistered CCO users can order documentation through a local account representative by calling Cisco's corporate headquarters (California, USA) at 408 526-4000 or, in North America, call 800 553-NETS (6387).

Obtaining Technical Assistance

Cisco provides Cisco Connection Online (CCO) as a starting point for all technical assistance. Warranty or maintenance contract customers can use the Technical Assistance Center. All customers can submit technical feedback on Cisco documentation using the web, e-mail, a self-addressed stamped response card included in many printed docs, or by sending mail to Cisco.

Cisco Connection Online

Cisco continues to revolutionize how business is done on the Internet. Cisco Connection Online is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information and resources at anytime, from anywhere in the world. This highly integrated Internet application is a powerful, easy-to-use tool for doing business with Cisco.

CCO's broad range of features and services helps customers and partners to streamline business processes and improve productivity. Through CCO, you will find information about Cisco and our networking solutions, services, and programs. In addition, you can resolve technical issues with online support services, 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 CCO to obtain additional personalized information and services. Registered users may order products, check on the status of an order and view benefits specific to their relationships with Cisco.

You can access CCO in the following ways:

- WWW: www.cisco.com
- Telnet: cco.cisco.com
- Modem using standard connection rates and the following terminal settings: VT100 emulation; 8 data bits; no parity; and 1 stop bit.
 - From North America, call 408 526-8070
 - From Europe, call 33 1 64 46 40 82

You can e-mail questions about using CCO to cco-team@cisco.com.

Technical Assistance Center

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

To display the TAC web site that includes links to technical support information and software upgrades and for requesting TAC support, use www.cisco.com/techsupport.

To contact by e-mail, use one of the following:

| Language | E-mail Address |
|------------------|--|
| English | tac@cisco.com |
| Hanzi (Chinese) | chinese-tac@cisco.com |
| Kanji (Japanese) | japan-tac@cisco.com |
| Hangul (Korean) | korea-tac@cisco.com |
| Spanish | tac@cisco.com |
| Thai | thai-tac@cisco.com |

In North America, TAC can be reached at 800 553-2447 or 408 526-7209. For other telephone numbers and TAC e-mail addresses worldwide, consult the following web site:
<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>.

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.

To submit your comments by mail, for your convenience many documents contain a response card behind the front cover. Otherwise, you can mail your comments to the following address:

Cisco Systems, Inc.
 Document Resource Connection
 170 West Tasman Drive
 San Jose, CA 95134-9883

We appreciate and value your comments.

This document is to be used in conjunction with the documents listed in the "Related Documentation" section.

Access Registrar, AccessPath, Are You Ready, ATM Director, Browse with Me, CCDA, CCDE, CCDP, CCIE, CCNA, CCNP, CCSI, CD-PAC, *CiscoLink*, the Cisco NetWorks logo, the Cisco Powered Network logo, Cisco Systems Networking Academy, Fast Step, FireRunner, Follow Me Browsing, FormShare, GigaStack, IGX, Intelligence in the Optical Core, Internet Quotient, IP/VC, iQ Breakthrough, iQ Expertise, iQ FastTrack, iQuick Study, iQ Readiness Scorecard, The iQ Logo, Kernel Proxy, MGX, Natural Network Viewer, Network Registrar, the Networkers logo, *Packet*, PIX, Point and Click Internetworking, Policy Builder, RateMUX, ReyMaster, ReyView, ScriptShare, Secure Script, Shop with Me, SlideCast, SMARTnet, SVX, TrafficDirector, TransPath, VlanDirector, Voice LAN, Wavelength Router, Workgroup Director, and Workgroup Stack are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, Empowering the Internet Generation, are service marks of Cisco Systems, Inc.; and Aironet, ASIST, BPX, Catalyst, Cisco, the Cisco Certified Internetwork Expert Logo, Cisco IOS, the Cisco IOS logo, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Collision Free, Enterprise/Solver, EtherChannel, EtherSwitch, FastHub, FastLink, FastPAD, IOS, IP/TV, IPX, LightStream, LightSwitch, MICA, NetRanger, Post-Routing, Pre-Routing, Registrar, StrataView Plus, Stratm, SwitchProbe, TeleRouter, are registered trademarks of Cisco Systems, Inc. or its affiliates in the U.S. and certain other countries.

All other brands, names, or trademarks mentioned in this document/website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any of its resellers. (0008R)

Copyright © 2000, Cisco Systems, Inc.
 All rights reserved.