



CHAPTER 2

New Features

This chapter includes an at-a-glance look at the new features. For more information on these features in PIX Security appliance Version 7.0 and their accompanying CLI commands, see the following documents:

- *Cisco PIX Security Appliance Command Reference, Version 7.0*
- *Cisco Security Appliance CLI Configuration Guide, Version 7.0*
- *Cisco ASA 5500 Series Release Notes*
- Adaptive Security Device Manager Online Help (previously known as PIX Device Manager, or PDM)

The PIX Security appliance Version 7.0 introduces the following new features:

Advanced Firewall Services

- Cisco Modular Policy Framework
- Advanced Web Security Services
- Tunneling Application Control
- Security Contexts
- Layer 2 Transparent Firewall
- FTP Session Command Filtering
- Extended Simple Mail Transport
- Protocol (ESMTP) Email Inspection Services
- 3G Mobile Wireless Security Services
- Sun RPC/NIS+ Inspection Services
- Internet Control Message Protocol (ICMP) Inspection Services
- Enhanced TCP Security Engine
- Outbound Access Control Lists (ACLs)
- Time-based ACLs
- Enable/Disable Individual ACL Entries
- Improved Websense URL Filtering Performance

Voice over IP and Multimedia Security Services

- T.38 Fax over IP (FoIP)
- Gatekeeper Routed Control Signaling (GKRCS)
- Fragmented and Segmented Multimedia Stream Inspection
- MGCP Address Translation Services
- RTSP Address Translation Services

Robust IPSec VPN Services

- VPN Client Security Posture Enforcement
- VPN Client Blocking by Operating System and Type
- Automatic VPN Client Software Updates
- Improved Support for Non-Split Tunneling Remote Access VPN Environments
- Enhanced VPN NAT Transparency
- Native Integration with Popular User Authentication Services
- OSPF Dynamic Routing over VPN Tunnels
- Enhanced Spoke-to-Spoke VPN Support
- Enhanced X.509 Certificate Support
- Cisco IOS Software Certificate Authority Support

Resilient Architecture

- Active/Active Stateful Failover
- VPN Stateful Failover
- Improved Failover Transition Times
- Zero-Downtime Software Upgrades

Intelligent Networking Services

- PIM Multicast Routing
- QoS Services
- IPv6 Networking
- Common Security Level for Multiple Interfaces
- Improved VLAN Capacity
- Optional Address Translation Services

Flexible Management Solutions

- Improved SNMP Monitoring
- SSHv2 and Secure Copy Protocol (SCP)
- Storage of Multiple Configurations in Flash Memory
- Secure Asset Recovery
- Scheduled System Reloads
- Dedicated Out-of-Band Management Interface
- Enhanced ICMP Ping Services
- Command Line Interface (CLI) Usability Enhancements
- SMTP Email Alerts
- Administrative TACACS+ Accounting
- RADIUS Accounting to Multiple Servers

