

Cisco Pix Firewall

The easy-to-use guide for learning how to secure networks with the world-class PIX Firewall.

The all-in-one practical guide to supporting your Cisco network Provides detailed tips for using freeware and open source tools readily available from the Internet, including the reasons behind choosing a particular tool Refer to a single source for common Cisco network administration issues Dedicated section for network security aids administrators in effectively dealing with security issues Deploy fully functional RADIUS and TACACS+ for servers for controlling access to Cisco devices Deploy Linux- and

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Windows-based syslog servers to centrally collect syslog information generated by Cisco devices Deploy Linux- and Windows-based network monitoring systems to monitor interface traffic through Cisco devices including routers, switches, VPN concentrators, and Cisco PIX® firewalls Use the trending feature of network monitoring systems for long term network analysis and capacity planning Automatically detect and report configuration changes on Cisco IOS® Software-based devices and Cisco PIX firewalls Deploy Cisco based VPNs in mixed environments using Linux- and Windows-based VPN servers Network Administrators Survival Guide solves many common network administration problems by providing administrators with an all-in-one

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practical guide to supporting Cisco® networks using freeware tools. It is a single reference source that explains particular issues, their significance for administrators, and the installation and configuration process for the tools. The solutions are Cisco centric and provide detail not available generic online information. Network Administrators Survival Guide emphasizes solutions for network managers and administrators of small to medium-sized businesses and enterprises. Each chapter is broadly based on a network administration function, starting with an overview of the topic, followed by the methodology involved to accomplish that function. This includes the tools available, why they are the right choice, and their installation, configuration, and

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usage methods. For any given function, Network Administrators Survival Guide covers both Windows- and Linux-based tools as appropriate. Most of the Windows-based tools offer the advantage of GUI for ease of use, whereas the Linux-based tools are command-line based and can be used in automated scripts. Both are significant for network administrators. Based on author Anand Deveriya's extensive field experience, this practical guide to maintaining Cisco networks will save you significant time and money. Any network administrator—beginner or advanced—will find this book useful. The solutions to practical aspects of network administration make Network Administrators Survival Guide a must-have reference for supporting your

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Cisco network.

Security Operations Center Building, Operating, and Maintaining Your SOC The complete, practical guide to planning, building, and operating an effective Security Operations Center (SOC) Security Operations Center is the complete guide to building, operating, and managing Security Operations Centers in any environment. Drawing on experience with hundreds of customers ranging from Fortune 500 enterprises to large military organizations, the leading experts thoroughly review each SOC model, including virtual SOCs. You'll learn how to select the right strategic option for your organization, and then plan and execute the strategy you've chosen. Security Operations

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Center walks you through every phase required to establish and run an effective SOC, including all significant people, process, and technology capabilities. The authors assess SOC technologies, strategy, infrastructure, governance, planning, implementation, and more. They take a holistic approach considering various commercial and open-source tools found in modern SOCs. This best-practice guide is written for anybody interested in learning how to develop, manage, or improve a SOC. A background in network security, management, and operations will be helpful but is not required. It is also an indispensable resource for anyone preparing for the Cisco SCYBER exam. · Review high-level issues, such as vulnerability and risk management, threat

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intelligence, digital investigation, and data collection/analysis · Understand the technical components a modern SOC · Assess the current state of your SOC and identify areas of improvement · Plan SOC strategy, mission functions, and services · Design and build out SOC infrastructure, from facilities and networks to systems, storage, and physical security · Collect and successfully analyze security data · Establish an effective vulnerability management practice · Organize incident response teams and measure their performance · Define an optimal governance and staffing model · Develop a practical SOC handbook that people can actually use · Prepare SOC to go live, with comprehensive transition plans · React quickly and

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collaboratively to security incidents · Implement best practice security operations, including continuous enhancement and improvement

The essential guide to understanding and using firewalls to protect personal computers and your network An easy-to-read introduction to the most commonly deployed network security device Understand the threats firewalls are designed to protect against Learn basic firewall architectures, practical deployment scenarios, and common management and troubleshooting tasks Includes configuration, deployment, and management checklists Increasing reliance on the Internet in both work and home environments has radically increased the vulnerability of computing systems

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attack from a wide variety of threats. Firewall technology continues to be the most prevalent form of protection against existing and new threats to computers and networks. A full understanding of what firewalls can do, how they can be deployed to maximum effect, and the differences among firewall types can make the difference between continued network integrity and complete network or computer failure. Firewall Fundamentals introduces readers to firewall concepts and explores various commercial and open source firewall implementations--including Cisco, Linksys, and Linux--allowing network administrators and small office/home office computer users to effectively choose and configure their devices. Firewall Fundamentals is written in

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clear and easy-to-understand language and helps novice users understand what firewalls are and how and where they are used. It introduces various types of firewalls, first conceptually and then by explaining how different firewall implementations actually work. It also provides numerous implementation examples, demonstrating the use of firewalls in both personal and business-related scenarios, and explains how a firewall should be installed and configured. Additionally, generic firewall troubleshooting methodologies and common management tasks are clearly defined and explained.

Configuring NetScreen Firewalls

CCSP: Secure PIX and Secure VPN Study Guide

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Cisco Firewall Technologies (Digital Short Cut)
Practical UNIX and Internet Security
Cisco Secure Virtual Private Networks

The first book on the market covering the #2 best-selling firewall appliances in the world from NetScreen. This book continues Syngress' history from ISA Server to Check Point to Cisco Pix of being first to market with best-selling firewall books for security professionals. Configuring NetScreen Firewalls is the first book to deliver an in-depth look at the NetScreen firewall product line. It covers all of the aspects of the NetScreen product line from the SOHO devices to the Enterprise NetScreen firewalls. Also covered are advanced troubleshooting techniques and the NetScreen Security

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*Manager. This book offers novice users a complete opportunity to learn the NetScreen firewall appliance. Advanced users will find it a rich technical resource. * NetScreen is the #2 best-selling firewall appliance in the world (behind only Cisco PIX) and there are no competing books. * Covers the materials found on the NetScreen NCSA 5.0 exam. * Syngress firewall books are consistent best-sellers with market-leading books on ISA Server, Cisco PIX, and Check Point Next Generation.*

Cisco Security Specialist's Guide to PIX Firewall immerses the reader in the highly complicated subject of firewall implementation, deployment, configuration, and administration. This guide will instruct the reader on the necessary information to pass the CSPFA exam including

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protocols, hardware, software, troubleshooting and more. Cisco Security Specialist's Guide to PIX Firewall introduces the basic concepts of attack, explains the networking principals necessary to effectively implement and deploy a PIX firewall, covers the hardware and software components of the device, provides multiple configurations and administration examples, and fully describes the unique line syntax native to PIX firewall configuration and administration. Coverage of the Latest Versions of PIX Firewalls. This book includes coverage of the latest additions to the PIX Firewall family including the CiscoSecure PIX Firewall (PIX) Software Release 6.0 Must-have desk reference for the serious security professional. In addition to the foundation information and dedicated text focused on the exam objectives for the

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CSPFA, this book offers real-world administration and configuration support. This book will not only help readers pass the exam; it will continue to assist them with their duties on a daily basis Firewall administration guides? Syngress wrote the book. Syngress has demonstrated a proficiency to answer the market need for quality information pertaining to firewall administration guides. Configuring ISA Server 2000: Building Firewalls for Windows 2000 (ISBN: 1-928994-29-6) and Checkpoint Next Generation Security Administration (ISBN: 1-928994-74-1) are currently best sellers in the security market

Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, is a guide for the most commonly implemented features of the popular Cisco® firewall security solutions.

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Fully updated to cover the latest firewall releases, this book helps you to quickly and easily configure, integrate, and manage the entire suite of Cisco firewall products, including ASA, PIX®, and the Catalyst® Firewall Services Module (FWSM). Organized by families of features, this book helps you get up to speed quickly and efficiently on topics such as file management, building connectivity, controlling access, firewall management, increasing availability with failover, load balancing, logging, and verifying operation. Sections are marked by shaded tabs for quick reference, and information on each feature is presented in a concise format, with background, configuration, and example components. Whether you are looking for an introduction to the latest ASA, PIX, and FWSM devices or a complete reference for making

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the most out of your Cisco firewall deployments, Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, helps you achieve maximum protection of your network resources. “Many books on network security and firewalls settle for a discussion focused primarily on concepts and theory. This book, however, goes well beyond these topics. It covers in tremendous detail the information every network and security administrator needs to know when configuring and managing market-leading firewall products from Cisco.” —Jason Nolet, Vice President of Engineering, Security Technology Group, Cisco David Hucaby, CCIE® No. 4594, is a lead network engineer for the University of Kentucky, where he works with health-care networks based on the Cisco Catalyst, ASA, FWSM, and VPN product lines. He was one of the beta

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reviewers of the ASA 8.0 operating system software. Learn about the various firewall models, user interfaces, feature sets, and configuration methods Understand how a Cisco firewall inspects traffic Configure firewall interfaces, routing, IP addressing services, and IP multicast support Maintain security contexts and flash and configuration files, manage users, and monitor firewalls with SNMP Authenticate, authorize, and maintain accounting records for firewall users Control access through the firewall by implementing transparent and routed firewall modes, address translation, and traffic shunning Define security policies that identify and act on various types of traffic with the Modular Policy Framework Increase firewall availability with firewall failover operation Understand how firewall load balancing works

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Generate firewall activity logs and learn how to analyze the contents of the log Verify firewall operation and connectivity and observe data passing through a firewall Configure Security Services Modules, such as the Content Security Control (CSC) module and the Advanced Inspection Processor (AIP) module This security book is part of the Cisco Press® Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end self-defending networks. Category: Networking: Security Covers: Cisco ASA 8.0, PIX 6.3, and FWSM 3.2 version firewalls The Best Damn Cisco Internetworking Book Period shows readers everything they need to know about all Cisco

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internetworking topics. The book provides an understanding of Cisco's current VoIP solutions and the means to put them to work, showing how to configure all of Cisco's core VoIP products—among them Cisco CallManager software, Cisco 7910 series phones, and server-based IP PBXs. It discusses IPv6 Protocols, as well as IP Quality of Service (QoS) and how it applies to Enterprise and Internet Service Provider (ISP) environments. In addition, Cisco wireless technologies are covered in detail. Cisco has placed a high priority on security and here readers will find complete coverage of all the Cisco Security products such as the PIX firewall suite of products, Network Address Translation (NAT), Cisco VPN Concentrator and IPSec, Cisco Authentication, Authorization, and Accounting (AAA), Content Services Switch (CSS), and

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the Cisco Secure Network Intrusion Detection System. This book is sure to become a dog eared reference for all Cisco engineers and administrators. - The one book that covers all major Cisco Internetworking concepts and configurations. - The only book to cross reference Cisco internetworking topics: Voice Over IP, Remote Access, Wireless, AVVID, and QoS. In addition, new technologies are covered in depth: AVVID, SIP, MGCP, and more. - A 1-stop reference for Cisco professionals needing coverage of core Cisco exam topics.

BS Cisco ADSL Router, Pix Firewall, VPN

Cisco ASA, PIX, and FWSM Firewall Handbook

Network Warrior

MasteringÂ Network Security

Cisco Secure PIX Firewalls

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A firewall is as good as its policies and the security of its VPN connections. The latest generation of firewalls offers a dizzying array of powerful options; the key to success is to write concise policies that provide the appropriate level of access while maximizing security. This book covers the leading firewall products: Cisco PIX, Check Point NGX, Microsoft ISA Server, Juniper's NetScreen Firewall, and SonicWall. It describes in plain English what features can be controlled by a policy, and walks the

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reader through the steps for writing the policy to fit the objective. Because of their vulnerability and their complexity, VPN policies are covered in more depth with numerous tips for troubleshooting remote connections. · The only book that focuses on creating policies that apply to multiple products. · Included is a bonus chapter on using Ethereal, the most popular protocol analyzer, to monitor and analyze network traffic. · Shows what features can be controlled by a policy, and walks you through the steps for

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writing the policy to fit the objective at hand

Annotation nbsp; Essential security strategies using Cisco's complete solution to network security! The only book to cover interoperability among the Cisco Secure product family to provide the holistic approach to Internet security. The first book to provide Cisco proactive solutions to common Internet threats. A source of industry-ready pre-built configurations for the Cisco Secure product range. Cisco Systems strives to

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help customers build secure internetworks through network design featuring its Cisco Secure product family. At present, no available publication deals with Internet security from a Cisco perspective. Cisco Secure Internet Security Solutions covers the basics of Internet security and then concentrates on each member of the Cisco Secure product family, providing a rich explanation with examples of the preferred configurations required for securing Internet connections. The Cisco Secure PIX Firewall is covered in depth from an

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architectural point of view to provide a reference of the PIX commands and their use in the real world. Although Cisco Secure Internet Security Solutions is concerned with Internet security, it is also viable to use in general network security scenarios. nbsp; Andrew Mason is the CEO of Mason Technologies Limited, a Cisco Premier Partner in the U.K. whose main business is delivered through Cisco consultancy focusing on Internet security. Andrew has hands-on experience of the Cisco Secure product family with numerous

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clients ranging from ISPs to large financial organizations. Currently, Andrew is leading a project to design and implement the most secure ISP network in Europe. Andrew holds the Cisco CCNP and CCDP certifications. nbsp; Mark Newcomb is currently a consulting engineer at Aurora Consulting Group in Spokane, Washington. Mark holds CCNP and CCDP certifications. Mark has 4 years experience working with network security issues and a total of over 20 years experience within the networking industry. Mark is a frequent

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contributor and reviewer for books by Cisco Press, McGraw-Hill, Coriolis, New Riders, and Macmillan Technical Publishing.

Reduce the threat of network attacks with an authorized self-study guide One of the primary components of any organization's security policy is the implementation and maintenance of firewalls. Firewalls are network devices residing at the perimeter of corporate networks that protect internal networks from intrusion by the outside world. The integrated

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hardware/software PIX Firewall series delivers high security without impacting network performance while scaling to meet the entire range of customer requirements. Based on the official instructor-led training course (Cisco Secure PIX Firewall Advanced-CSPFA), Cisco Secure PIX Firewalls teaches you the skills needed to describe, configure, verify, and manage the PIX Firewall product family and the Cisco IOS(r) Firewall feature set. Starting with a discussion of hacking methodologies and internal and external

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threats, this book opens by describing the Cisco Security Wheel, emphasizing network security as a continuous process. The authors then familiarize you with the characteristics of the various PIX models and examine upgrade tasks. This book covers basic installation details, as well as how to enable more advanced features and access control. In addition, this book details management and monitoring with PIX Syslog services and the PIX AAA subsystem. You also learn to configure the PIX Failover mechanism, IPsec on the PIX, and

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the Cisco IOS Firewall feature set. The appendixes provide helpful references, including configuring PIX intrusion detection features, SNMP management support, DHCP client and server, Secure Shell Protocol (SSH) connection, and dozens of security-related resources. Whether you are preparing for the Cisco Security Specialist 1 certification or simply want to understand and make the most efficient use of PIX Firewalls, Cisco Secure PIX Firewalls provides you with a complete solution for planning, deploying,

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and managing PIX Firewall protected networks. Prepare for the Cisco Security Specialist 1 PIX exam with the official CSPFA self-study guide Understand the physical characteristics of PIX models 506, 515, 520, 525, and 535, including LED information and port and slot numbering Upgrade PIX OS code, perform password recovery, and install feature licenses Configure IPsec Phase I and Phase II Security Associations Configure Cisco routers to perform Context Based Access Control (CBAC) Examine the many operating

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features of the PIX, such as Cut-Through Proxy, Advanced Protocol Handling, Attack Guards, and the Adaptive Security Algorithm (ASA) Learn the ins and outs of address translation and access control Install the Cisco Secure ACS server and configure corresponding services on the PIX to authenticate and authorize users and services Understand attack guards such as Syn Flood, Fragmentation, AAA, DNS, and Mail Examine the workings of the PIX failover mechanism and learn the difference between failover, stateful

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failover, interface testing, and the failover poll David W. Chapman Jr., CCNP(r), CCDP(r), CSS-1, is a Cisco Security Instructor with Global Knowledge. As Course Director for the Cisco Secure PIX Firewall course, David is charged with maintaining the integrity and quality of the course offering and mentoring instructors new to the course. Andy Fox, CCSI(tm), CCNA(r), CCDA(r), CSS-1 is a Certified Cisco Systems Instructor with Global Knowledge. Andy has been teaching Cisco Certified Classes for more than five

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years and is the Course Director for the Managing Cisco Network Security course. Harden perimeter routers with Cisco firewall functionality and features to ensure network security Detect and prevent denial of service (DoS) attacks with TCP Intercept, Context-Based Access Control (CBAC), and rate-limiting techniques Use Network-Based Application Recognition (NBAR) to detect and filter unwanted and malicious traffic Use router authentication to prevent spoofing and routing attacks Activate basic Cisco IOS

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filtering features like standard, extended, timed, lock-and-key, and reflexive ACLs to block various types of security threats and attacks, such as spoofing, DoS, Trojan horses, and worms Use black hole routing, policy routing, and Reverse Path Forwarding (RPF) to protect against spoofing attacks Apply stateful filtering of traffic with CBAC, including dynamic port mapping Use Authentication Proxy (AP) for user authentication Perform address translation with NAT, PAT, load distribution, and

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other methods Implement stateful NAT (SNAT) for redundancy Use Intrusion Detection System (IDS) to protect against basic types of attacks Obtain how-to instructions on basic logging and learn to easily interpret results Apply IPSec to provide secure connectivity for site-to-site and remote access connections Read about many, many more features of the IOS firewall for mastery of router security The Cisco IOS firewall offers you the feature-rich functionality that you've come to expect from best-of-breed

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firewalls: address translation, authentication, encryption, stateful filtering, failover, URL content filtering, ACLs, NBAR, and many others. Cisco Router Firewall Security teaches you how to use the Cisco IOS firewall to enhance the security of your perimeter routers and, along the way, take advantage of the flexibility and scalability that is part of the Cisco IOS Software package. Each chapter in Cisco Router Firewall Security addresses an important component of perimeter router security. Author

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Richard Deal explains the advantages and disadvantages of all key security features to help you understand when they should be used and includes examples from his personal consulting experience to illustrate critical issues and security pitfalls. A detailed case study is included at the end of the book, which illustrates best practices and specific information on how to implement Cisco router security features. Whether you are looking to learn about firewall security or seeking how-to techniques to enhance

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security in your Cisco routers, Cisco Router Firewall Security is your complete reference for securing the perimeter of your network. This book is part of the Networking Technology Series from Cisco Press, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Cisco Security Specialist's Guide to Pix Firewall

Firewall Fundamentals

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Cisco Pix Firewalls

Network Security Principles and Practices

Cisco Security Specialist's Guide to PIX

Firewall [sic]

Umer Khan's first book, Cisco Security Specialist's Guide to PIX Firewalls, ISBN: 1931836639, has consistently maintained its spot as the #1 best-selling PIX book on amazon.com by providing readers with a clear, comprehensive, and independent introduction to PIX Firewall configuration. With the market for PIX Firewalls maintaining double digit growth and several major enhancements to both the PIX Firewall and VPN Client product lines, this book will have enormous appeal with the audience already familiar with

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his first book. The Cisco Pix firewall is the #1 market leading firewall, owning 43% market share. Cisco is poised to release the newest, completely re-designed version 7 of the Pix operating system in the first quarter of 2004 "Cisco Pix Firewalls: configure | manage | troubleshoot" Covers all objectives on the new Cisco Pix certification exam, making this book the perfect study guide in addition to professional reference Umer Khan's first book "Cisco Security Specialist's Guide to PIX Firewall" has been the #1 market leading Cisco Pix book since it was published in 2002

With the recent availability of high-speed Internet connections to the home and the continued move of workers out of central office locations (whether for travel, telecommuting, or branch office expansion), Virtual Private Networks (VPNs) have

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become a critical part of corporate network architectures. VPNs use advanced encryption and tunneling to permit your organization to establish secure, end-to-end, private network connections over third-party networks, such as the Internet. This new networking paradigm not only adds to the efficiency of the corporate workforce, but it also saves money by leveraging third-party networks and allows you to scale your networks with greater ease. Based on the official instructor-led training course of the same name, Cisco Secure Virtual Private Networks is a comprehensive, results-oriented book designed to give you the knowledge you need to plan, deploy, and manage VPNs in your network environment. Beginning with an overview of VPNs and IPSec, the book introduces you to the Cisco VPN family of products. It then delves into

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the details of configuring and troubleshooting IPSec site-to-site VPNs on Cisco IOS(r) routers and Cisco PIX(r) Firewalls using preshared keys and digital certificates. You learn how to install the VPN 3000 Concentrator and how to configure it for remote access using preshared keys and digital certificates. Monitoring and administration techniques are also presented. The book concludes with a discussion on the scalability solutions available for IPSec VPNs. Each chapter includes an explicit set of learning objectives and concludes with a set of review questions to assess your understanding of the material. Numerous examples are provided throughout, and detailed diagrams help clarify concepts presented in the text. Whether you are preparing for the Cisco Security Specialist 1 certification or simply want to understand and

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make the most efficient use of VPNs, Cisco Secure Virtual Private Networks provides you with a complete solution for designing, implementing, and managing Cisco VPN networks. Prepare for the Cisco Security Specialist 1 VPN exam with the official CSVPN Coursebook Evaluate the features, functions, and benefits of Cisco VPN products Understand the component technologies that are implemented in Cisco VPN products Learn the procedures, steps, and commands required to configure and test IPSec in Cisco IOS Software and the Cisco PIX Firewall Install and configure the Cisco VPN client to create a secure tunnel to a Cisco VPN Concentrator and Cisco PIX Firewall Configure and verify IPSec in the Cisco VPN Concentrator, Cisco router, and Cisco PIX Firewall Enable interoperability among the Cisco

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VPN Concentrator, Cisco routers, and Cisco PIX Firewalls Apply scalability and advanced configuration features supported in the Cisco IPsec implementation Andrew G. Mason, CCIE(r) #7144, CSS-1, CCNP(r): Security, and CCDP(r), is the CEO of three UK-based companies: Mason Technologies, CCStudy.com, and Boxing Orange. Andrew has 11 years experience in the networking industry and is currently consulting for the largest ISP in the UK. He is involved daily in the design and implementation of complex secure hosted solutions utilizing products from the Cisco Secure family.

With increased use of Internet connectivity and less reliance on private WAN networks, virtual private networks (VPNs) provide a much-needed secure method of transferring critical

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information. As Cisco Systems integrates security and access features into routers, firewalls, clients, and concentrators, its solutions become ever more accessible to companies with networks of all sizes. The Complete Cisco VPN Configuration Guide contains detailed explanations of all Cisco VPN products, describing how to set up IPsec and Secure Sockets Layer (SSL) connections on any type of Cisco device, including concentrators, clients, routers, or Cisco PIX and Cisco ASA security appliances. With copious configuration examples and troubleshooting scenarios, it offers clear information on VPN implementation designs. - A complete resource for understanding VPN components and VPN design issues - Learn how to employ state-of-the-art VPN connection types and implement complex VPN configurations

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on Cisco devices, including routers, Cisco PIX and Cisco ASA security appliances, concentrators, and remote access clients - Discover troubleshooting tips and techniques from real-world scenarios based on the author's vast field experience - Filled with relevant configurations you can use immediately in your own network

When Practical Unix Security was first published more than a decade ago, it became an instant classic. Crammed with information about host security, it saved many a Unix system administrator from disaster. The second edition added much-needed Internet security coverage and doubled the size of the original volume. The third edition is a comprehensive update of this very popular book - a companion for the Unix/Linux system administrator who needs to secure his or

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her organization's system, networks, and web presence in an increasingly hostile world. Focusing on the four most popular Unix variants today--Solaris, Mac OS X, Linux, and FreeBSD--this book contains new information on PAM (Pluggable Authentication Modules), LDAP, SMB/Samba, anti-theft technologies, embedded systems, wireless and laptop issues, forensics, intrusion detection, chroot jails, telephone scanners and firewalls, virtual and cryptographic filesystems, WebNFS, kernel security levels, outsourcing, legal issues, new Internet protocols and cryptographic algorithms, and much more. Practical Unix & Internet Security consists of six parts: Computer security basics: introduction to security problems and solutions, Unix history and lineage, and the importance of security policies as a basic element of system

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security. Security building blocks: fundamentals of Unix passwords, users, groups, the Unix filesystem, cryptography, physical security, and personnel security. Network security: a detailed look at modem and dialup security, TCP/IP, securing individual network services, Sun's RPC, various host and network authentication systems (e.g., NIS, NIS+, and Kerberos), NFS and other filesystems, and the importance of secure programming. Secure operations: keeping up to date in today's changing security world, backups, defending against attacks, performing integrity management, and auditing. Handling security incidents: discovering a break-in, dealing with programmed threats and denial of service attacks, and legal aspects of computer security. Appendixes: a comprehensive security checklist and a detailed

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bibliography of paper and electronic references for further reading and research. Packed with 1000 pages of helpful text, scripts, checklists, tips, and warnings, this third edition remains the definitive reference for Unix administrators and anyone who cares about protecting their systems and data from today's threats.

Cisco ASA Configuration

CCSP Cisco Secure PIX Firewall Advanced Exam
Certification Guide (CCSP Self-Study)

Managing Cisco Network Security

Building, Operating, and Maintaining your SOC

CCIE Security Practice Labs

Pick up where certification exams leave off.

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With this practical, in-depth guide to the entire network infrastructure, you'll learn how to deal with real Cisco networks, rather than the hypothetical situations presented on exams like the CCNA. Network Warrior takes you step by step through the world of routers, switches, firewalls, and other technologies based on the author's extensive field experience. You'll find new content for MPLS, IPv6, VoIP, and wireless in this completely revised second edition, along with examples of Cisco Nexus 5000 and 7000 switches

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throughout. Topics include: An in-depth view of routers and routing Switching, using Cisco Catalyst and Nexus switches as examples SOHO VoIP and SOHO wireless access point design and configuration Introduction to IPv6 with configuration examples Telecom technologies in the data-networking world, including T1, DS3, frame relay, and MPLS Security, firewall theory, and configuration, as well as ACL and authentication Quality of Service (QoS), with an emphasis on low-latency queuing (LLQ) IP address allocation,

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Network Time Protocol (NTP), and device failures

A comprehensive manual on how to prepare for the CCIE Security Lab exam uses seven complete hands-on lab scenarios that encompass all major exam subject areas, including security protocols, operating systems, application protocols, general networking, security technologies, Cisco security applications, and Cisco IOS software specifics. (Advanced)

The Second Edition of the Best Damn

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Firewall Book Period is completely revised and updated to include all of the most recent releases from Microsoft, Cisco, Juniper Network, and Check Point. Compiled from the best of the Syngress firewall library and authored by product experts such as Dr. Tom Shinder on ISA Server, this volume is an indispensable addition to a serious networking professionals toolkit. Coverage includes migrating to ISA Server 2006, integrating Windows Firewall and Vista security into your enterprise, successfully

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integrating Voice over IP applications around firewalls, and analyzing security log files. Sections are organized by major vendor, and include hardware, software and VPN configurations for each product line. New to this Edition: Microsoft firewall protection, from Windows Firewall to ISA Server 2006 Cisco PIX Version 7, including VPN configuration and IDS Analyzing Firewall Logs and Reports VoIP and Firewall Bypassing

Learn how to secure your network with the

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*official MCNS Coursebook
Firewall Policies and VPN Configurations
Network Administrators Survival Guide
All-in-One Firewall, IPS, Anti-X, and VPN
Adaptive Security Appliance
Exams 642-521 and 642-511
Cisp Self Study: Cisco Secure Pix Firewall
Advance*

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. For organizations of all

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sizes, the Cisco ASA product family offers powerful new tools for maximizing network security. Cisco ASA: All-in-One Firewall, IPS, Anti-X and VPN Adaptive Security Appliance, Second Edition, is Cisco's authoritative practitioner's guide to planning, deploying, managing, and troubleshooting security with Cisco ASA. Written by two leading Cisco security experts, this book presents each Cisco ASA solution in depth, offering comprehensive sample configurations, proven troubleshooting methodologies, and

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debugging examples. Readers will learn about the Cisco ASA Firewall solution and capabilities; secure configuration and troubleshooting of site-to-site and remote access VPNs; Intrusion Prevention System features built into Cisco ASA's Advanced Inspection and Prevention Security Services Module (AIP-SSM); and Anti-X features in the ASA Content Security and Control Security Services Module (CSC-SSM). This new edition has been updated with detailed information on the latest ASA models and features. Everything

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network professionals need to know to identify, mitigate, and respond to network attacks with Cisco ASA Includes detailed configuration examples, with screenshots and command line references Covers the ASA 8.2 release Presents complete troubleshooting methodologies and architectural references

Every part of the CCSP Cisco Secure PIX Firewall Advanced Exam Certification Guide, Second Edition, tests your insight into the exam subjects through highlights, for example, tests, areas that detail exam

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themes to ace, and rundown segments that feature fundamental subjects for brisk reference and survey. Since experienced IT experts concur that the most requesting bit of their occupations is investigating, the last segment of this book incorporates situations devoted to investigating Cisco PIX Firewall setup. This incorporates a portrayal of the issue, a bit of the framework arrangement, investigate yield, and recommendations to enable you to determine the issue. The partner CD-ROM's adjustable trying motor empowers you to

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take rehearse exams that copy the genuine testing condition, concentrate on specific point zones, randomize answers for reusability, keep tabs on your development, and allude to the electronic content for audit.

Master network security skills with more than five hours of personal video instruction on ASA and FWSM firewall configuration tasks.

Secure your mission-critical networks with the #1 leading firewall and this definitive guide. Featuring in-depth

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coverage of installation, configuration, and maintenance this book will show you how to protect your data from unauthorized users and hackers.

*The Best Damn Cisco Internetworking Book
Period*

Building DMZs For Enterprise Networks

Cisco PIX Firewall

Cisco ASA

Configure / Manage / Troubleshoot

This Cisco text offers study tools for Cisco certification exam preparation, with tutorial learning of all topics for

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the relevant exam and self-assessment pedagogical tools. Chapters are written in modular fashion, breaking down the topics covered into easily absorbed blocks of information.

This is a complete implementation guide to PIX Firewall with full coverage of how to implement and configure Firewall. The book provides practical advice in setting up and maintaining the firewall for maximum availability.

"Richard Deal's gift of making difficult technology concepts understandable has remained constant. Whether it is presenting to a room of information

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technology professionals or writing books, Richard's communication skills are unsurpassed. As information technology professionals we are faced with overcoming challenges every day...Cisco ASA Configuration is a great reference and tool for answering our challenges." --From the Foreword by Steve Marcinek (CCIE 7225), Systems Engineer, Cisco Systems A hands-on guide to implementing Cisco ASA Configure and maintain a Cisco ASA platform to meet the requirements of your security policy. Cisco ASA Configuration shows you how to control traffic in the corporate network and protect it

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from internal and external threats. This comprehensive resource covers the latest features available in Cisco ASA version 8.0, and includes detailed examples of complex configurations and troubleshooting. Implement and manage Cisco's powerful, multifunction network adaptive security appliance with help from this definitive guide. Configure Cisco ASA using the command-line interface (CLI) and Adaptive Security Device Manager (ASDM) Control traffic through the appliance with access control lists (ACLs) and object groups Filter Java, ActiveX, and web content Authenticate and

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authorize connections using Cut-through Proxy (CTP)
Use Modular Policy Framework (MPF) to configure
security appliance features Perform protocol and
application inspection Enable IPsec site-to-site and
remote access connections Configure WebVPN
components for SSL VPN access Implement
advanced features, including the transparent firewall,
security contexts, and failover Detect and prevent
network attacks Prepare and manage the AIP-SSM
and CSC-SSM cards
A comprehensive program for safeguarding your
company against the dangers of being on the Internet

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Today, maintaining Internet security is a business problem that requires more than technical solutions. Firewalls and other purely technical solutions are not enough to protect a company against the security threats of doing business on the Net. Internet Security for Business covers the full range of Internet security issues faced by all types of businesses. It then shows how to develop a complete and effective security program to handle these threats. In this book, you'll learn proven methods for securing the full range of Internet services, including e-mail, World Wide Web, and electronic commerce. First, the authors present a

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comprehensive project plan for safely connecting to the Internet. They then demonstrate proven methods for implementing, maintaining, and evolving a robust, efficient, and scaleable Internet security architecture. Finally, they show you how to customize and implement the plan for your particular type of organization. Just as important, Internet Security for Business also provides you with valuable, easy-to-follow guidelines on how to educate and train end-users to identify and respond to almost any breach of security. Safeguard your company against the external and internal security threats associated with

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being on the Net with Internet Security for Business.

Cisco Firewall Video Mentor

Cisco Security Specialists Guide to PIX Firewall

Securing Solaris, Mac OS X, Linux & Free BSD

The Complete Cisco VPN Configuration Guide

The Best Damn Firewall Book Period

Here's the book you need to prepare for Cisco's Secure PIX Firewall (CSPFA) and Secure VPN (CSVN) exams. This two-in-one Study Guide provides: In-depth coverage of all exam topics Practical information on implementing Cisco's Secure PIX and Secure VPN technologies Hundreds

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of challenging review questions Leading-edge exam preparation software, including a test engine and electronic flashcards Authoritative coverage of all exam objectives, including: Secure PIX Firewall: Translations and Connections Access Control Lists and Content Filtering Object Grouping Advanced Protocol Handling Attack Guards, Intrusion Detection, and Shunning Authentication, Authorization, and Accounting Failover Cisco PIX Device Manager Enterprise PIX Firewall Management and Maintenance Firewall Services Module Secure VPN: VPN and IPSec Technology Overview VPN 3000 Concentrator Series Hardware Remote Access with

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Pre-shared Keys and Digital Certificates IPSec Software Client Firewalls Software Client Auto-Initiation Hardware Client Configuration Network Client Backup and Load Balancing Software Auto-Update Configuring for the IPSec Over UDP and IPSec Over TCP\ LAN-to-LAN with Pre-Shared Keys, NAT, and Digital Certificates Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This book covers what an administrator needs to plan out and integrate a DMZ into a network for small, medium and Enterprise networks. In most enterprises the perception is that a firewall provides

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a hardened perimeter. However, the security of internal networks and hosts is usually very soft. In such an environment, a non-DMZ system that is offering services to the Internet creates the opportunity to leapfrog to other hosts in the soft interior of your network. In this scenario your internal network is fair game for any attacker who manages to penetrate your so-called hard perimeter.

- There are currently no books written specifically on DMZs - This book will be unique in that it will be the only book that teaches readers how to build a DMZ using all of these products: ISA Server, Check Point NG, Cisco Routers, Sun Servers, and Nokia Security

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Appliances. - Dr. Thomas W. Shinder is the author of the best-selling book on Microsoft's ISA, Configuring ISA Server 2000. Customers of the first book will certainly buy this book.

Expert solutions for securing network infrastructures and VPNs Build security into the network by defining zones, implementing secure routing protocol designs, and building safe LAN switching environments Understand the inner workings of the Cisco PIX Firewall and analyze in-depth Cisco PIX Firewall and Cisco IOS Firewall features and concepts Understand what VPNs are and how they are implemented with protocols such

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as GRE, L2TP, and IPSec Gain a packet-level understanding of the IPSec suite of protocols, its associated encryption and hashing functions, and authentication techniques Learn how network attacks can be categorized and how the Cisco IDS is designed and can be set up to protect against them Control network access by learning how AAA fits into the Cisco security model and by implementing RADIUS and TACACS+ protocols Provision service provider security using ACLs, NBAR, and CAR to identify and control attacks Identify and resolve common implementation failures by evaluating real-world troubleshooting scenarios As organizations

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increase their dependence on networks for core business processes and increase access to remote sites and mobile workers via virtual private networks (VPNs), network security becomes more and more critical. In today's networked era, information is an organization's most valuable resource. Lack of customer, partner, and employee access to e-commerce and data servers can impact both revenue and productivity. Even so, most networks do not have the proper degree of security. Network Security Principles and Practices provides an in-depth understanding of the policies, products, and expertise that brings organization to this extremely

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complex topic and boosts your confidence in the performance and integrity of your network systems and services. Written by the CCIE engineer who wrote the CCIE Security lab exam and who helped develop the CCIE Security written exam, Network Security Principles and Practices is the first book to help prepare candidates for the CCIE Security exams. Network Security Principles and Practices is a comprehensive guide to network security threats and the policies and tools developed specifically to combat those threats. Taking a practical, applied approach to building security into networks, the book shows you how to build secure network

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architectures from the ground up. Security aspects of routing protocols, Layer 2 threats, and switch security features are all analyzed. A comprehensive treatment of VPNs and IPSec is presented in extensive packet-by-packet detail. The book takes a behind-the-scenes look at how the Cisco PIX(r) Firewall actually works, presenting many difficult-to-understand and new Cisco PIX Firewall and Cisco IOS(r) Firewall concepts. The book launches into a discussion of intrusion detection systems (IDS) by analyzing and breaking down modern-day network attacks, describing how an IDS deals with those threats in general, and elaborating on the Cisco

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implementation of IDS. The book also discusses AAA, RADIUS, and TACACS+ and their usage with some of the newer security implementations such as VPNs and proxy authentication. A complete section devoted to service provider techniques for enhancing customer security and providing support in the event of an attack is also included. Finally, the book concludes with a section dedicated to discussing tried-and-tested troubleshooting tools and techniques that are not only invaluable to candidates working toward their CCIE Security lab exam but also to the security network administrator running the operations of a network on a daily basis.

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The complete guide to the most popular Cisco PIX, ASA, FWSM, and IOS firewall security features Learn about the various firewall models, user interfaces, feature sets, and configuration methods Understand how a Cisco firewall inspects traffic Configure firewall interfaces, routing, IP addressing services, and IP multicast support Maintain security contexts and Flash and configuration files, manage users, and monitor firewalls with SNMP Authenticate, authorize, and maintain accounting records for firewall users Control access through the firewall by implementing transparent and routed firewall modes, address translation, traffic filtering, user authentication,

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content filtering, application inspection, and traffic shunning Increase firewall availability with firewall failover operation Understand how firewall load balancing works Generate firewall activity logs and learn how to analyze the contents of the log Verify firewall operation and connectivity and observe data passing through a firewall Control access and manage activity on the Cisco IOS firewall Configure a Cisco firewall to act as an IDS sensor Every organization has data, facilities, and workflow processes that are critical to their success. As more organizations make greater use of the Internet, defending against network attacks becomes crucial

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for businesses. Productivity gains and returns on company investments are at risk if the network is not properly defended. Firewalls have emerged as the essential foundation component in any network security architecture. Cisco ASA and PIX Firewall Handbook is a guide for the most commonly implemented features of the popular Cisco Systems firewall security solutions. This is the first book to cover the revolutionary Cisco ASA and PIX version 7 security appliances. This book will help you quickly and easily configure, integrate, and manage the entire suite of Cisco firewall products, including Cisco ASA, PIX version 7 and 6.3, the Cisco IOS

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router firewall, and the Catalyst Firewall Services Module (FWSM). Organized by families of features, this book helps you get up to speed quickly and efficiently on topics such as file management, building connectivity, controlling access, firewall management, increasing availability with failover, load balancing, logging, and verifying operation. Shaded thumbtabs mark each section for quick reference and each section provides information in a concise format, with background, configuration, and example components. Each section also has a quick reference table of commands that you can use to troubleshoot or display information about the

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features presented. Appendixes present lists of well-known IP protocol numbers, ICMP message types, and IP port numbers that are supported in firewall configuration commands and provide a quick reference to the many logging messages that can be generated from a Cisco PIX, ASA, FWSM, or IOS firewall. Whether you are looking for an introduction to the firewall features of the new ASA security appliance, a guide to configuring firewalls with the new Cisco PIX version 7 operating system, or a complete reference for making the most out of your Cisco ASA, PIX, IOS, and FWSM firewall deployments, Cisco ASA and PIX Firewall Handbook

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***helps you achieve maximum protection of your network resources. "Many books on network security and firewalls settle for a discussion focused primarily on concepts and theory. This book, however, goes well beyond these topics. It covers in tremendous detail the information every network and security administrator needs to know when co
Everything You Need to Know That Wasn't on the CCNA Exam***

Ccsp Cisco Secure Pix Firewall Advanced Exam Certification Guide

Cisco Secure Internet Security Solutions

Cisco PIX Firewalls

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Cisco Router Firewall Security

This is the eBook version of the printed book. Cisco Firewall Technologies (Digital Short Cut) Andrew Mason ISBN-10: 1-58705-329-2 ISBN-13: 978-1-58705-329-0 Cisco Firewall Technologies provides you with a no-nonsense, easy-to-read guide to different types of firewall technologies along with information on how these technologies are represented in the Cisco® firewall product family. The main Cisco products covered are the IOS® Firewall, the PIX® Firewall, and the ASA. The majority of focus for the Short Cut will be on the ASA and emphasis will be placed upon the latest functionality released in version 7.2. The Short Cut also provides a walkthrough for configuring the ASA using the Adaptive

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Security Device Manager (ASDM), the GUI management and configuration tool provided with the ASA. The Short Cut presents you with the background information and product knowledge to make qualified decisions about the type of firewall technology that best fits your working environment. This is a Cisco technology focused Short Cut, so the emphasis will be solely on Cisco firewall products. Table of Contents: Chapter 1: Firewall Technologies Chapter 2: Cisco Firewall Technologies Chapter 3: Advancements in the ASA About the Author: Andrew Mason, CCIE® No. 7144, is a networking and security consultant based in the UK. He holds various industry certifications including CCIE, CISSP, and CEH. Andrew has 15 years experience in the IT industry,

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working in Internet security for the past several. He is involved daily in the design and implementation of security deployments for numerous clients based upon Cisco technology. About the Technical Editor: David Hucaby, CCIE No. 4594, is a lead network engineer for the University of Kentucky, where he works with healthcare networks based on the Cisco Catalyst®, ASA/PIX/FWSM security, and VPN product lines. David was one of the beta reviewers of the PIX Firewall 7.0 operating system software. David has a B.S. and M.S. in electrical engineering from the University of Kentucky and has worked in the IT field for 19 years. He lives in Kentucky with his wife Marci and two daughters.

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Security Operations Center

***Securing Your Business with Cisco ASA and PIX
Firewalls***

Cisco ASA and PIX Firewall Handbook