# [PDF] Guide To Firewalls And Vpns 3rd Edition By Whitman Michael E Mattord Herbert J Green Andrew 2011 Paperback

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Guide to Firewalls and VPNs-Michael E. Whitman 2012-12-20 Firewalls are among the best-known network security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. GUIDE TO FIREWALLS AND VPNs, THIRD EDITION explores firewalls in the context of these critical elements, providing an in-depth guide that focuses on both managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The text also features an abundant selection of realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. GUIDE TO FIREWALLS AND VPNs includes new and updated cases and projects, enhanced coverage of network security and VPNs, and information on relevant National Institute of Standards and Technology guidelines used by businesses and information technology professionals. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Guide to Firewalls and VPNs-Michael E. Whitman 2012-12-20 Firewalls are among the best-known network security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. GUIDE TO FIREWALLS AND VPNs, THIRD EDITION explores firewalls in the context of these critical elements, providing an in-depth guide that focuses on both managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The text also features an abundant selection of realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. GUIDE TO FIREWALLS AND VPNs includes new and updated cases and projects, enhanced coverage of network security and VPNs, and information on relevant National Institute of Standards and Technology guidelines used by businesses and information technology professionals. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Network Security, Firewalls and VPNs-J. Michael Stewart 2013-07-11 This fully revised and updated second edition provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. It provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Topics covered include: the basics of network security--exploring the details of firewall security and how VPNs operate; how to plan proper network security to combat hackers and outside threats; firewall configuration and deployment and managing firewall security; and how to secure local and internet communications with a VP. --
Guide to Firewalls and VPNs-Michael E. Whitman 2018-04-01
Guide to Firewalls and Network Security-Greg Holden 2004 Provides comprehensive overview of building and maintaining firewalls in a business environment, and maps to the objectives of CheckPointâ€™s CCSA certification.
Guide to Firewalls and Network Security-Michael E. Whitman 2009 Firewalls are among the best-known security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when they are backed by effective security planning, a well-designed security policy, and when they work in concert with anti-virus software, intrusion detection systems, and other tools. This book aims to explore firewalls in the context of these other elements, providing readers with a solid, in-depth introduction to firewalls that focuses on both managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The second edition offers updated content and brand new material, from enhanced coverage of non-firewall subjects like information and network security to an all-new section dedicated to intrusion detection in the context of incident response.
Firewall Policies and VPN Configurations-Syngress 2006-09-28 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; they 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 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 writing the policy to fit the objective at hand
Guide to Network Security-Michael E. Whitman 2012-09-20 GUIDE TO NETWORK SECURITY is a wide-ranging new text that provides a detailed review of the network security field, including essential terminology, the history of the discipline, and practical techniques to manage implementation of network security solutions. It begins with an overview of information, network, and web security, emphasizing the role of data communications and encryption. The authors then explore network perimeter defense technologies and methods, including access controls, firewalls, VPNs, and intrusion detection systems, as well as applied cryptography in public key infrastructure, wireless security, and web commerce. The final section covers additional topics relevant for information security practitioners, such as assessing network security, professional careers in the field, and contingency planning. Perfect for both aspiring and active IT professionals, GUIDE TO NETWORK SECURITY is an ideal resource for students who want to help organizations protect critical information assets and secure their systems and networks, both by recognizing current threats and vulnerabilities, and by designing and developing the secure systems of the future. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
VPNs-John Mairs 2002 Ideal for connecting branch offices and remote workers, Virtual Private Networks (VPNs) provide a cost-effective, secure method for connecting to a network. This book is a step-by-step guide to deploying one of the fastest growing methods for remote access, global connections, and extranet connectivity. From understanding VPN technology to security features of VPN to actual implementations, this book covers it all.
Inside Network Perimeter Security-Lenny Zeltser 2003 This book is the authoritative guide for designing, deploying, and managing sound perimeter defense solutions. It covers a wide range of network security technologies and explains how they relate to each other. The reader is walked through real-world scenarios that incorporate popular commercial and freely available products to better explain when one type of a solution is preferred over another.
Firewalls and Internet Security-William R. Cheswick 2003 Introduces the authors' philosophy of Internet security, explores possible attacks on hosts and networks, discusses firewalls and virtual private networks, and analyzes the state of communication security.
Firewalls Don't Stop Dragons-Carey Parker 2018-08-24 Rely on this practical, end-to-end guide on cyber safety and online security written expressly for a non-technical audience. You will have just what you need to protect yourself—step by step, without judgment, and with as little jargon as possible. Just how secure is your computer right now? You probably don't really know. Computers and the Internet have revolutionized the modern world, but if you're like most people, you have no clue how these things work and don't know the real threats. Protecting your computer is like defending a medieval castle. While moats, walls, drawbridges, and castle guards can be effective, you'd go broke trying to build something dragon-proof. This book is not about protecting yourself from a targeted attack by the NSA; it's about armoring yourself against common hackers and mass surveillance. There are dozens of no-brainer things we all should be

doing to protect our computers and safeguard our data—just like wearing a seat belt, installing smoke alarms, and putting on sunscreen. Author Carey Parker has structured this book to give you maximum benefit with minimum effort. If you just want to know what to do, every chapter has a complete checklist with step-by-step instructions and pictures. The book contains more than 150 tips to make you and your family safer. It includes: Added steps for Windows 10 (Spring 2018) and Mac OS X High Sierra Expanded coverage on mobile device safety Expanded coverage on safety for kids online More than 150 tips with complete step-by-step instructions and pictures What You'll Learn Solve your password problems once and for all Browse the web safely and with confidence Block online tracking and dangerous ads Choose the right antivirus software for you Send files and messages securely Set up secure home networking Conduct secure shopping and banking online Lock down social media accounts Create automated backups of all your devices Manage your home computers Use your smartphone and tablet safely Safeguard your kids online And more! Who This Book Is For Those who use computers and mobile devices, but don't really know (or frankly care) how they work. This book is for people who just want to know what they need to do to protect themselves—step by step, without judgment, and with as little jargon as possible.

Principles of Incident Response and Disaster Recovery-Michael E. Whitman 2013-04-19 PRINCIPLES OF INCIDENT RESPONSE & DISASTER RECOVERY, 2nd Edition presents methods to identify vulnerabilities within computer networks and the countermeasures that mitigate risks and damage. From market-leading content on contingency planning, to effective techniques that minimize downtime in an emergency, to curbing losses after a breach, this text is the resource needed in case of a network intrusion. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Firewalls For Dummies-Brian Komar 2003-09-24 What an amazing world we live in! Almost anything you can imaginecan be researched, compared, admired, studied, and in many cases,bought, with the click of a mouse. The Internet has changed ourlives, putting a world of opportunity before us. Unfortunately, ithas also put a world of opportunity into the hands of those whosemotives are less than honorable. A firewall, a piece of software orhardware that erects a barrier between your computer and those whomight like to invade it, is one solution. If you've been using the Internet for any length of time,you've probably received some unsavory and unsolicitede-mail. If you run a business, you may be worried about thesecurity of your data and your customers' privacy. At home,you want to protect your personal information from identity thievesand other shady characters. Firewalls ForDummies® will give you the lowdown onfirewalls, then guide you through choosing, installing, andconfiguring one for your personal or bus iness network. Firewalls For Dummies® helps youunderstand what firewalls are, how they operate on different typesof networks, what they can and can't do, and how to pick agood one (it's easier than identifying that perfect melon inthe supermarket.) You'll find out about Developing security policies Establishing rules for simple protocols Detecting and responding to system intrusions Setting up firewalls for SOHO or personal use Creating demilitarized zones Using Windows or Linux as a firewall Configuring ZoneAlarm, BlackICE, and Norton personalfirewalls Installing and using ISA server and FireWall-1 With the handy tips and hints this book provides, you'llfind that firewalls are nothing to fear – that is,unless you're a cyber-crook! You'll soon be able tokeep your data safer, protect your family's privacy, andprobably sleep better, too.

Advances in Information and Communication-Kohei Arai 2020-02-13 This book presents high-quality research on the concepts and developments in the field of information and communication technologies, and their applications. It features 134 rigorously selected papers (including 10 poster papers) from the Future of Information and Communication Conference 2020 (FICC 2020), held in San Francisco, USA, from March 5 to 6, 2020, addressing state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of future research. Discussing various aspects of communication, data science, ambient intelligence, networking, computing, security and Internet of Things, the book offers researchers, scientists, industrial engineers and students valuable insights into the current research and next generation information science and communication technologies.

VPNs Illustrated-Jon C. Snader 2015-01-09 Virtual private networks (VPNs) based on the Internet instead of the traditional leased lines offer organizations of all sizes the promise of a low-cost, secure electronic network. However, using the Internet to carry sensitive information can present serious privacy and security problems. By explaining how VPNs actually work, networking expert Jon Snader shows software engineers and network administrators how to use tunneling, authentication, and encryption to create safe, effective VPNs for any environment. Using an example-driven approach, VPNs Illustrated explores how tunnels and VPNs function by observing their behavior "on the wire." By learning to read and interpret various network traces, such as those produced by tcpdump, readers will be able to better understand and troubleshoot VPN and network behavior. Specific topics covered include: Block and stream symmetric ciphers, such as AES and RC4; and asymmetric ciphers, such as RSA and EIGamal Message authentication codes, including HMACs Tunneling technologies based on gtunnel SSL protocol for building network-to-network VPNs SSH protocols as drop-in replacements for telnet, ftp, and the BSD r-commands Lightweight VPNs, including VTun, CIPE, tinc, and OpenVPN IPsec, including its Authentication Header (AH) protocol, Encapsulating Security Payload (ESP), and IKE (the key management protocol) Packed with details, the text can be used as a handbook describing the functions of the protocols and the message formats that they use. Source code is available for download, and an appendix covers publicly available software that can be used to build tunnels and analyze traffic flow. VPNs Illustrated gives you the knowledge of tunneling and VPN technology you need to understand existing VPN implementations and successfully create your own.

Cisco ASA-Jazib Frahim 2009-12-29 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 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 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 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

Cisco ASA-Jazib Frahim 2014-04-28 Cisco® ASA All-in-One Next-Generation Firewall, IPS, and VPN Services, Third Edition Identify, mitigate, and respond to today's highly-sophisticated network attacks. Today, network attackers are far more sophisticated, relentless, and dangerous. In response, Cisco ASA: All-in-One Next-Generation Firewall, IPS, and VPN Services has been fully updated to cover the newest techniques and Cisco technologies for maximizing end-to-end security in your environment. Three leading Cisco security experts guide you through every step of creating a complete security plan with Cisco ASA, and then deploying, configuring, operating, and troubleshooting your solution. Fully updated for today's newest ASA releases, this edition adds new coverage of ASA 5500-X, ASA 5585-X, ASA Services Module, ASA next-generation firewall services, EtherChannel, Global ACLs, clustering, IPv6 improvements, IKEv2, AnyConnect Secure Mobility VPN clients, and more. The authors explain significant recent licensing changes; introduce enhancements to ASA IPS; and walk you through configuring IPsec, SSL VPN, and NAT/PAT. You'll learn how to apply Cisco ASA adaptive identification and mitigation services to systematically strengthen security in network environments of all sizes and types. The authors present up-to-date sample configurations, proven design scenarios, and actual debugs– all designed to help you make the most of Cisco ASA in your rapidly evolving network. Jazib Frahim, CCIE® No. 5459 (Routing and Switching; Security), Principal Engineer in the Global Security Solutions team, guides top-tier Cisco customers in security-focused network design and implementation. He architects, develops, and launches new security services concepts. His books include Cisco SSL VPN Solutions and Cisco Network Admission Control, Volume II: NAC Deployment and Troubleshooting. Omar Santos, CISSP No. 463598, Cisco Product Security Incident Response Team (PSIRT) technical leader, leads and mentors engineers and incident managers in investigating and resolving vulnerabilities in Cisco products and protecting Cisco customers. Through 18 years in IT and cybersecurity, he has designed, implemented, and supported numerous secure networks for Fortune® 500 companies and the U.S. government. He is also the author of several other books and numerous whitepapers and articles. Andrew Ossipov, CCIE® No. 18483 and CISSP No. 344324, is a Cisco Technical Marketing Engineer focused on firewalls, intrusion prevention, and data center security. Drawing on more than 16 years in networking, he works to solve complex customer technical problems, architect new features and products, and define future directions for Cisco's product portfolio. He holds several pending patents. Understand, install, configure, license, maintain, and troubleshoot the newest ASA devices Efficiently implement Authentication, Authorization, and Accounting (AAA) services Control and provision network access with packet filtering, context-aware Cisco ASA next-generation firewall services, and new NAT/PAT concepts Configure IP routing, application inspection, and QoS Create firewall contexts with unique configurations, interfaces, policies, routing tables, and administration Enable integrated protection against many types of malware and advanced persistent threats (APTs) via Cisco Cloud Web Security and Cisco Security Intelligence Operations (SIO) Implement high availability with failover and elastic scalability with clustering Deploy, troubleshoot, monitor, tune, and manage Intrusion Prevention System (IPS) features Implement site-to-site IPsec VPNs and all forms of remote-access VPNs (IPsec, clientless SSL, and client-based SSL) Configure and troubleshoot Public Key Infrastructure (PKI) Use IKEv2 to more effectively resist attacks against VPNs Leverage IPv6 support for IPS, packet inspection, transparent firewalls, and site-to-site IPsec VPNs

Cisco PIX Firewalls-Umer Khan 2005-06-21 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 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

Network Defense and Countermeasures-William (Chuck) Easttom II 2013-10-18 Everything you need to know about modern network attacks and defense, in one book Clearly explains core network security concepts, challenges, technologies, and skills Thoroughly updated for the latest attacks and countermeasures The perfect beginner’s guide for anyone interested in a network security career ¿ Security is the IT industry’s hottest topic–and that’s where the hottest opportunities are, too. Organizations desperately need professionals who can help them safeguard against the most sophisticated attacks ever created–attacks from well-funded global criminal syndicates, and even governments. ¿ Today, security begins with defending the organizational network. Network Defense and Countermeasures, Second Edition is today’s most complete, easy-to-understand introduction to modern network attacks and their effective defense. From malware and DDoS attacks to firewalls and encryption, Chuck Easttom blends theoretical foundations with up-to-the-minute best-practice techniques. Starting with the absolute basics, he discusses crucial topics many security books overlook, including the emergence of network-based espionage and terrorism. ¿ If you have a basic understanding of networks, that’s all the background you’ll need to succeed with this book: no math or advanced computer science is required. You’ll find projects, questions, exercises, case studies, links to expert resources, and a complete glossary–all designed to deepen your understanding and prepare you to defend real-world networks. ¿ Learn how to Understand essential network security concepts, challenges, and careers Learn how modern attacks work Discover how firewalls, intrusion detection systems (IDS), and virtual private networks (VPNs) combine to protect modern networks Select the right security technologies for any network environment Use encryption to protect information Harden Windows and Linux systems and keep them patched Securely configure web browsers to resist attacks Defend against malware Define practical, enforceable security policies Use the “6 Ps” to assess technical and human aspects of system security Detect and fix system vulnerability Apply proven security standards and models, including Orange Book, Common Criteria, and Bell-LaPadula Ensure physical security and prepare for disaster recovery Know your enemy: learn basic hacking, and see how to counter it Understand standard forensic techniques and prepare for investigations of digital crime ¿

Learn pfSense 2.4-David Zientara 2018-07-31 Install, Configure and Setup different connections with pfSense Key Features Build firewall and routing solutions with PfSense. Learn how to create captive portals, how to connect Pfsense to your https environment and so on. Practical approach towards building firewall solutions for your organization Book Description As computer networks become ubiquitous, it has become increasingly important to both secure and optimize our networks. pfSense, an open-source router/firewall, provides an easy, cost-effective way of achieving this – and this book explains how to install and configure pfSense in such a way that even a networking beginner can successfully deploy and use pfSense. This book begins by covering networking fundamentals, deployment scenarios, and hardware sizing guidelines, as well as how to install pfSense. The book then covers configuration of basic services such as DHCP, DNS, and captive portal and VLAN configuration. Careful consideration is given to the core firewall functionality of pfSense, and how to set up firewall rules and traffic shaping. Finally, the book covers the basics of VPNs, multi-WAN setups, routing and bridging, and how to perform diagnostics and troubleshooting on a network. What you will learn Install pfSense Configure additional interfaces, and enable and configure DHCP Understand Captive portal Understand firewalls and NAT, and traffic shaping Learn in detail about VPNs Understand Multi-WAN Learn about routing and bridging in detail Understand the basics of diagnostics and troubleshooting networks Who this book is for This book is towards any network security professionals who want to get introduced to the world of firewalls and network configurations using Pfsense. No knowledge of PfSense is required

Inside Network Perimeter Security-Stephen Northcutt 2003 Examines how various security methods are used and how they work, covering options including packet filtering, proxy firewalls, network intrusion detection, virtual private networks, and encryption.

Firewalls and VPNs-Richard W. Tibbs 2006 This book solves the need for a resource that illustrates the principles underlying security technology, as well as provides complete hands-on exercises that will serve as valuable practice for users. Based on open-source software, this book is oriented toward the first-time networking reader. Progressive, practical exercises build confidence; SOHO (small-office-home-office) users will also be impressed with the information provided, as for these users the affordability of open-source solutions can be critical. Comprehensive coverage includes: TCP/IP and related protocols, open-source firewalls, services support and applications that firewalls protect, IPsec and TLS-based VPNs, and firewall log and log servers. An excellent reference and resource for network administrators, security administrators, chief security officers, and anyone with the following certifications: SANS, GSEC, MCSE, MCSA, CNE, A+, and Security+.

The Complete Cisco VPN Configuration Guide-Richard A. Deal 2006-01 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 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 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

End-to-End Network Security-Omar Santos 2007-08-24 End-to-End Network Security Defense-in-Depth Best practices for assessing and improving network defenses and responding to security incidents Omar Santos Information security practices have evolved from Internet perimeter protection to an in-depth defense model in which multiple countermeasures are layered throughout the infrastructure to address vulnerabilities and attacks. This is necessary due to increased attack frequency, diverse attack sophistication, and the rapid nature of attack velocity—all blurring the boundaries between the network and perimeter. End-to-End Network Security is designed to counter the new generation of complex threats. Adopting this robust security strategy defends against highly sophisticated attacks that can occur at multiple locations in your network. The ultimate goal is to deploy a set of security capabilities that together create an intelligent, self-defending network that identifies attacks as they occur, generates alerts as appropriate, and then automatically responds. End-to-End Network Security provides you with a comprehensive look at the mechanisms to counter threats to each part of your network. The book starts with a review of network security technologies then covers the six-step methodology for incident response and best practices from proactive security frameworks. Later chapters cover wireless network security, IP telephony security, data center security, and IPv6 security. Finally, several case studies representing small, medium, and large enterprises provide detailed example configurations and implementation strategies of best practices learned in earlier chapters. Adopting the techniques and strategies outlined in this book enables you to prevent day-zero attacks, improve your overall security posture, build strong policies, and deploy intelligent, self-defending networks. “Within these pages, you will find many practical tools, both process related and technology related, that you can draw on to improve your risk mitigation strategies.” —Bruce Murphy, Vice President, World Wide Security Practices, Cisco Omar Santos is a senior network security engineer at Cisco®. Omar has designed, implemented, and supported numerous secure networks for Fortune 500 companies and the U.S. government. Prior to his current role, he was a technical leader within the World Wide Security Practice and the Cisco Technical Assistance Center (TAC), where he taught, led, and mentored many engineers within both organizations. Guard your network with firewalls, VPNs, and intrusion prevention systems Control network access with AAA Enforce security policies with Cisco Network Admission Control (NAC) Learn how to perform risk and threat analysis Harden your network infrastructure, security policies, and procedures against security threats Identify and classify security threats Trace back attacks to their source Learn how to best react to security incidents Maintain visibility and control over your network with the SAVE framework Apply Defense-in-Depth principles to wireless networks, IP telephony networks, data centers, and IPv6 networks 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: Network security and incident response

Configuring Check Point NGX VPN-1/Firewall-1-Barry J Stiefel 2005-11-01 Check Point NGX VPN-1/Firewall-1 is the next major release of Check Point's flagship firewall software product, which has over 750,000 registered users. The most significant changes to this release are in the areas of Route Based VPN, Directional VPN, Link Selection & Tunnel Management, Multiple Entry Points, Route Injection Mechanism, Wire Mode, and SecurePlatform Pro. Many of the new features focus on how to configure and manage Dynamic Routing rules, which are essential to keeping an enterprise network both available *and* secure. Demand for this book will be strong because Check Point is requiring all of its 3rd party developers to certify their products for this release. * Packed full with

extensive coverage of features new to the product, allowing 3rd party partners to certify NGX add-on products quickly * Protect your network from both internal and external threats and learn to recognize future threats * All yuou need to securly and efficiently deploy, troubleshoot, and maintain Check Point NXG

Cisco Asa Firewall Fundamentals-Harris Andrea 2014-04-08 Covers the most important and common configuration scenarios and features which will put you on track to start implementing ASA firewalls right away.

Check Point FireWall-1-Marcus Goncalves 2000 Only complete guide to Check Point FireWall-1, the security software used in 75% of corporate networks worldwide. Clear, step-by-step help for installing, administrating, troubleshooting, and maintaining Check Point firewalls. Officially endorsed and tech edited by Check Point.Valuable CD-ROM, created in cooperation with Check Point, contains the most useful set of Firewall-1 tools and utilities available anywhere.

Checkpoint Next Generation Security Administration-Syngress 2002-04-11 Unparalleled security management that IT professionals have been waiting for. Check Point Software Technologies is the worldwide leader in securing the Internet. The company's Secure Virtual Network (SVN) architecture provides the infrastructure that enables secure and reliable Internet communications. CheckPoint recently announced a ground-breaking user interface that meets the computer industry's Internet security requirements. The Next Generation User Interface is easy to use and offers unparalleled security management capabilities by creating a visual picture of security operations. CheckPoint Next Generation Security Administration will be a comprehensive reference to CheckPoint's newest suite of products and will contain coverage of: Next Generation User Interface, Next Generation Management, Next Generation Performance, Next Generation VPN Clients, and Next Generation Systems. CheckPoint are a company to watch, they have captured over 50% of the VPN market and over 40% of the firewall market according to IDC Research Over 29,000 IT professionals are CheckPont Certified This is the first book to covers all components of CheckPoint's new suite of market-leading security products - it will be in demand!

Building Internet Firewalls-Elizabeth D. Zwicky 2000-06-26 In the five years since the first edition of this classic book was published, Internet use has exploded. The commercial world has rushed headlong into doing business on the Web, often without integrating sound security technologies and policies into their products and methods. The security risks--and the need to protect both business and personal data--have never been greater. We've updated Building Internet Firewalls to address these newer risks. What kinds of security threats does the Internet pose? Some, like password attacks and the exploiting of known security holes, have been around since the early days of networking. And others, like the distributed denial of service attacks that crippled Yahoo, E-Bay, and other major e-commerce sites in early 2000, are in current headlines. Firewalls, critical components of today's computer networks, effectively protect a system from most Internet security threats. They keep damage on one part of the network--such as eavesdropping, a worm program, or file damage--from spreading to the rest of the network. Without firewalls, network security problems can rage out of control, dragging more and more systems down. Like the bestselling and highly respected first edition, Building Internet Firewalls, 2nd Edition, is a practical and detailed step-by-step guide to designing and installing firewalls and configuring Internet services to work with a firewall. Much expanded to include Linux and Windows coverage, the second edition describes: Firewall technologies: packet filtering, proxying, network address translation, virtual private networks Architectures such as screening routers, dual-homed hosts, screened hosts, screened subnets, perimeter networks, internal firewalls Issues involved in a variety of new Internet services and protocols through a firewall Email and News Web services and scripting languages (e.g., HTTP, Java, JavaScript, ActiveX, RealAudio, RealVideo) File transfer and sharing services such as NFS, Samba Remote access services such as Telnet, the BSD "r" commands, SSH, BackOrifice 2000 Real-time conferencing services such as ICQ and talk Naming and directory services (e.g., DNS, NetBT, the Windows Browser) Authentication and auditing services (e.g., PAM, Kerberos, RADIUS); Administrative services (e.g., syslog, SNMP, SMS, RIP and other routing protocols, and ping and other network diagnostics) Intermediary protocols (e.g., RPC, SMB, CORBA, IIOP) Database protocols (e.g., ODBC, JDBC, and protocols for Oracle, Sybase, and Microsoft SQL Server) The book's complete list of resources includes the location of many publicly available firewall construction tools.

UTM Security with Fortinet-Kenneth Tam 2012-12-31 Traditionally, network security (firewalls to block unauthorized users, Intrusion Prevention Systems (IPS) to keep attackers out, Web filters to avoid misuse of Internet browsing, and antivirus software to block malicious programs) required separate boxes with increased cost and complexity. Unified Threat Management (UTM) makes network security less complex, cheaper, and more effective by consolidating all these components. This book explains the advantages of using UTM and how it works, presents best practices on deployment, and is a hands-on, step-by-step guide to deploying Fortinet's FortiGate in the enterprise. Provides tips, tricks, and proven suggestions and guidelines to set up FortiGate implementations Presents topics that are not covered (or are not covered in detail) by Fortinet’s documentation Discusses hands-on troubleshooting techniques at both the project deployment level and technical implementation area

Linux Hardening in Hostile Networks-Kyle Rankin 2017-07-17 Implement Industrial-Strength Security on Any Linux Server In an age of mass surveillance, when advanced cyberwarfare weapons rapidly migrate into every hacker’s toolkit, you can’t rely on outdated security methods–especially if you’re responsible for Internet-facing services. In Linux® Hardening in Hostile Networks, Kyle Rankin helps you to implement modern safeguards that provide maximum impact with minimum effort and to strip away old techniques that are no longer worth your time. Rankin provides clear, concise guidance on modern workstation, server, and network hardening, and explains how to harden specific services, such as web servers, email, DNS, and databases. Along the way, he demystifies technologies once viewed as too complex or mysterious but now essential to mainstream Linux security. He also includes a full chapter on effective incident response that both DevOps and SecOps can use to write their own incident response plan. Each chapter begins with techniques any sysadmin can use quickly to protect against entry-level hackers and presents intermediate and advanced techniques to safeguard against sophisticated and knowledgeable attackers, perhaps even state actors. Throughout, you learn what each technique does, how it works, what it does and doesn’t protect against, and whether it would be useful in your environment. Apply core security techniques including 2FA and strong passwords Protect admin workstations via lock screens, disk encryption, BIOS passwords, and other methods Use the security-focused Tails distribution as a quick path to a hardened workstation Compartmentalize workstation tasks into VMs with varying levels of trust Harden servers with SSH, use apparmor and sudo to limit the damage attackers can do, and set up remote syslog servers to track their actions Establish secure VPNs with OpenVPN, and leverage SSH to tunnel traffic when VPNs can’t be used Configure a software load balancer to terminate SSL/TLS connections and initiate new ones downstream Set up standalone Tor services and hidden Tor services and relays Secure Apache and Nginx web servers, and take full advantage of HTTPS Perform advanced web server hardening with HTTPS forward secrecy and ModSecurity web application firewalls Strengthen email security with SMTP relay authentication, SMTPS, SPF records, DKIM, and DMARC Harden DNS servers, deter their use in DDoS attacks, and fully implement DNSSEC Systematically protect databases via network access control, TLS traffic encryption, and encrypted data storage Respond to a compromised server, collect evidence, and prevent future attacks Register your product at informit.com/register for convenient access to downloads, updates, and corrections as they become available.

A Guide to Virtual Private Networks-Martin W. Murhammer 1998 This is a practical guide to planning and deploying a Virtual Private Network that provides low-cost wide area connectivity over regular Internet lines.The authors explain the benefits of VPNs and then walk step-by-step through the process of deploying them in several widely-used scenarios, including branch office connectivity, integrating business partners and suppliers and providing remote access.

CCNP Security Secure 642-637 Official Cert Guide-Sean Wilkins 2011-06-02 This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. CCNP Security SECURE 642-637 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Master CCNP Security SECURE 642-637 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks CCNP Security SECURE 642-637 Official Cert Guide focuses specifically on the objectives for the CCNP Security SECURE exam. Senior networking consultants Sean Wilkins and Trey Smith share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNP Security SECURE exam, including: Network security threats and foundation protection Switched data plane security 802.1X and identity-based networking services Cisco IOS routed data plane security Cisco IOS control plane security Cisco IOS management plane security NAT Zone-based firewalls IOS intrusion prevention system Cisco IOS site-to-site security solutions IPsec VPNs, dynamic multipoint VPNs, and GET VPNs SSL VPNs and EZVPN CCNP Security SECURE 642-637 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining.

Guide to Computer Forensics and Investigations-Bill Nelson 2009-09-28 Learners will master the skills necessary to launch and complete a successful computer investigation with the updated fourth edition of this popular book, GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS. This resource guides readers through conducting a high-tech investigation, from acquiring digital evidence to reporting its findings. Updated coverage includes new software and technologies as well as up-to-date reference sections. Learn how to set up a forensics lab, how to acquire the proper and necessary tools, and how to conduct the investigation and subsequent digital analysis. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
PfSense.org-Christopher M. Buechler 2009 Written by pfSense co-founder Chris Buechler and pfSense consultant Jim Pingle, this Definitive Guide to pfSense covers installation and basic configuration through advanced networking and firewalling with the popular open source firewall and router distribution. This book is designed to be a friendly step-by-step guide to common networking and security tasks, plus a thorough reference of pfSense's capabilities. The book covers hardware and system planning, installation and upgrades, backups, firewalling fundamentals, port forwarding and Network Address Translation, bridging, Virtual LANs (VLAN), Multi-WAN, Virtual Private Networks (VPN) using IPsec, PPTP, and OpenVPN, traffic shaping, load balancing, wireless networking and captive portal setups, redundant firewalls and High Availability, system monitoring, logging, traffic analysis, sniffing, packet capturing, troubleshooting, and software package and third-party software installations and upgrades.
Dr. Tom Shinder's ISA Server 2006 Migration Guide-Thomas W Shinder 2011-04-18 Dr. Tom Shinder’s ISA Server 2006 Migration Guide provides a clear, concise, and thorough path to migrate from previous versions of ISA Server to ISA Server 2006. ISA Server 2006 is an incremental upgrade from ISA Server 2004, this book provides all of the tips and tricks to perform a successful migration, rather than rehash all of the features which were rolled out in ISA Server 2004. Also, learn to publish Exchange Server 2007 with ISA 2006 and to build a DMZ. * Highlights key issues for migrating from previous versions of ISA Server to ISA Server 2006. * Learn to Publish Exchange Server 2007 Using ISA Server 2006. * Create a DMZ using ISA Server 2006. Dr. Tom Shinder’s previous two books on configuring ISA Server have sold more than 50,000 units worldwide. Dr. Tom Shinder is a Microsoft Most Valuable Professional (MVP) for ISA Server and a member of the ISA Server beta testing team.
CCNA Security (210-260) Portable Command Guide-Bob Vachon 2016-03-25 Preparing for the latest CCNA Security exam? Here are all the CCNA Security (210-260) commands you need in one condensed, portable resource. Filled with valuable, easy-to-access information, the CCNA Security Portable Command Guide, is portable enough for you to use whether you’re in the server room or the equipment closet. Completely updated to reflect the new CCNA Security 210-260 exam, this quick reference summarizes relevant Cisco IOS® Software commands, keywords, command arguments, and associated prompts, and offers tips and examples for applying these commands to real-world security challenges. Configuration examples, throughout, provide an even deeper understanding of how to use IOS to protect networks. Topics covered include Networking security fundamentals: concepts, policies, strategy Protecting network infrastructure: network foundations, security management planes/access; data planes (Catalyst switches and IPv6) Threat control/containment: protecting endpoints and content; configuring ACLs, zone-based firewalls, and Cisco IOS IPS Secure connectivity: VPNs, cryptology, asymmetric encryption, PKI, IPsec VPNs, and site-to-site VPN configuration ASA network security: ASA/ASDM concepts; configuring ASA basic settings, advanced settings, and VPNs Access all CCNA Security commands: use as a quick, offline resource for research and solutions Logical how-to topic groupings provide one-stop research Great for review before CCNA Security certification exams Compact size makes it easy to carry with you, wherever you go “Create Your Own Journal” section with blank, lined pages allows you to personalize the book for your needs “What Do You Want to Do?” chart inside the front cover helps you to quickly reference specific tasks
Management of Information Security-Michael E. Whitman 2016-03-22 Readers discover a managerially-focused overview of information security with a thorough treatment of how to most effectively administer it with MANAGEMENT OF INFORMATION SECURITY, 5E. Information throughout helps readers become information security management practitioners able to secure systems and networks in a world where continuously emerging threats, ever-present attacks, and the success of criminals illustrate the weaknesses in current information technologies. Current and future professional managers complete this book with the exceptional blend of skills and experiences to develop and manage the more secure computing environments that today’s organizations need. This edition offers a tightened focus on key executive and managerial aspects of information security while still emphasizing the important foundational material to reinforce key concepts. Updated content reflects the most recent developments in the field, including NIST, ISO, and security governance. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Network Administrators Survival Guide-Anand Deveriya 2006 The all-in-one practical guide to supporting Cisco networks using freeware tools.

Eventually, you will extremely discover a other experience and skill by spending more cash. nevertheless when? reach you receive that you require to get those every needs once having significantly cash? Why dont you attempt to acquire something basic in the beginning? Thats something that will guide you to understand even more approaching the globe, experience, some places, gone history, amusement, and a lot more?

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