
Captive Portal

Hands-On Penetration Testing on Windows

In Depth Security Vol. III

Mastering Palo Alto Networks

Untangle Network Security

CISSP Exam Study Guide For Security Professionals: 5 Books In 1

CWTS, CWS, and CWT Complete Study Guide

Broadband Network Architectures

Performability Has Its Price

OPNsense Beginner to Professional

CompTIA Network+ Review Guide

Wireless Technologies: Concepts, Methodologies, Tools and Applications

Applied Cryptography and Network Security

Basic Configuration of FortiGate Firewall

CCNP Enterprise Wireless Design ENWLSI 300-425 and Implementation ENWLSI 300-430 Official Cert Guide

Mobile Computing Deployment and Management

Auditing Corporate Surveillance Systems

Wireless Security Architecture

Wireless and Mobile Device Security

CWSP Certified Wireless Security Professional Study Guide

CWSP Certified Wireless Security Professional Official Study Guide

Networking 2004

Mobile Computing, Applications, and Services

CWNA

Wireless Hacking: Projects for Wi-Fi Enthusiasts

Cyberoam Career Certification CCNSP-NP, Vol 2

Data Privacy Management, Cryptocurrencies and Blockchain Technology

Understanding and Troubleshooting Cisco Catalyst 9800 Series Wireless Controllers
Cases on ICT Utilization, Practice and Solutions: Tools for Managing Day-to-Day Issues
Windows and Linux Penetration Testing from Scratch
Software Defined Networks
Network Security Hacks
Ubiquitous Intelligence and Computing
Implementing Palo Alto Networks Prisma® Access
CISSP Exam Study Guide: 3 Books In 1
Wireless and Mobile Network Security
Next Generation Firewall Berbasis Untangle
pfSense 2.x Cookbook
CWNA Certified Wireless Network Administrator Study Guide
Learn pfSense 2.4
Mastering pfSense,

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LESTER SANAA

Hands-On Penetration Testing on Windows John Wiley & Sons
If you want to become a Cybersecurity Professional, this book is for you! IT Security jobs are on the rise! Small, medium or large size companies are always on the look out to get on board bright individuals to provide their services for Business as Usual (BAU) tasks or deploying new as well as on-going company projects. Most of these jobs requiring you to be on site but since 2020, companies are willing to negotiate with you if you want to work from home (WFH). Yet, to pass the Job interview, you must have experience. Still, if you think about it, all current IT security

professionals at some point had no experience whatsoever. The question is; how did they get the job with no experience? Well, the answer is simpler than you think. All you have to do is convince the Hiring Manager that you are keen to learn and adopt new technologies and you have willingness to continuously research on the latest upcoming methods and techniques revolving around IT security. Here is where this book comes into the picture. Why? Well, if you want to become an IT Security professional, this book is for you! If you are studying for CompTIA Security+ or CISSP, this book will help you pass your exam. Passing security exams isn't easy. In fact, due to the raising security beaches around the World, both above mentioned exams are becoming more and more difficult to pass. Whether you want to become an Infrastructure Engineer, IT Security Analyst or any

other Cybersecurity Professional, this book (as well as the other books in this series) will certainly help you get there! BUY THIS BOOK NOW AND GET STARTED TODAY! In this book you will discover:

- Baseline Configuration, Diagrams & IP Management
- Data Sovereignty & Data Loss Prevention
- Data Masking, Tokenization & Digital Rights Management
- Geographical Considerations & Cloud Access Security Broker
- Secure Protocols, SSL Inspection & Hashing
- API Gateways & Recovery Sites
- Honeypots, Fake Telemetry & DNS Sinkhole
- Cloud Storage and Cloud Computing
- IaaS, PaaS & SaaS
- Managed Service Providers, Fog Computing & Edge Computing
- VDI, Virtualization & Containers
- Microservices and APIs
- Infrastructure as Code (IAC) & Software Defined Networking (SDN)
- Service Integrations and Resource Policies
- Environments, Provisioning & Deprovisioning
- Integrity Measurement & Code Analysis
- Security Automation, Monitoring & Validation
- Software Diversity, Elasticity & Scalability
- Directory Services, Federation & Attestation
- Time-Based Passwords, Authentication & Tokens
- Proximity Cards, Biometric & Facial Recognition
- Vein and Gait Analysis & Efficacy Rates
- Geographically Disperse, RAID & Multipath
- Load Balancer, Power Resiliency & Replication
- Backup Execution Policies
- High Availability, Redundancy & Fault Tolerance
- Embedded Systems & SCADA Security
- Smart Devices / IoT & Special Purpose Devices
- HVAC, Aircraft/UAV & MFDs
- Real Time Operating Systems & Surveillance Systems
- Barricades, Mantraps & Alarms
- Cameras, Video Surveillance & Guards
- Cable Locks, USB Data Blockers, Safes & Fencing
- Motion Detection / Infrared & Proximity Readers
- Demilitarized Zone & Protected Distribution System
- Shredding, Pulping &

- Pulverizing
- Deguassing, Purging & Wiping
- Cryptographic Terminology and History
- Digital Signatures, Key Stretching & Hashing
- Quantum Communications & Elliptic Curve Cryptography
- Quantum Computing, Cipher Modes & XOR Function
- Encryptions & Blockchains
- Asymmetric/Lightweight Encryption & Steganography
- Cipher Suites, Random & Quantum Random Number Generators
- Secure Networking Protocols
- Host or Application Security Solutions
- Coding, Fuzzing & Quality Testing
- How to Implement Secure Network Designs
- Network Access Control, Port Security & Loop Protection
- Spanning Tree, DHCP Snooping & MAC Filtering
- Access Control Lists & Route Security
- Intrusion Detection and Prevention
- Firewalls & Unified Threat Management
- How to Install and Configure Wireless Security
- How to Implement Secure Mobile Solutions
- Geo-tagging & Context-Aware Authentication
- How to Apply Cybersecurity Solutions to the Cloud
- How to Implement Identity and Account Management Controls
- How to Implement Authentication and Authorization Solutions
- How to Implement Public Key Infrastructure
- Data Sources to Support an Incident
- How to Assess Organizational Security
- File Manipulation & Packet Captures
- Forensics & Exploitation Frameworks
- Data Sanitization Tools
- How to Apply Policies, Processes and Procedures for Incident Response
- Detection and Analysis
- Test Scenarios & Simulations
- Threat Intelligence Lifecycle
- Disaster Recovery & Business Continuity
- How to Implement Data Sources to Support an Investigation
- Retention Auditing, Compliance & Metadata
- How to Implement Mitigation Techniques to Secure an Environment
- Mobile Device Management
- DLP, Content Filters & URL Filters
- Key Aspects of Digital Forensics
- Chain of Custody

& Legal Hold · First Responder Best Practices · Network Traffic and Logs · Screenshots & Witnesses · Preservation of Evidence · Data Integrity · Jurisdictional Issues & Data Breach Notification Laws · Threat Types & Access Control · Applicable Regulations, Standards, & Frameworks · Benchmarks & Secure Configuration Guides · How to Implement Policies for Organizational Security · Monitoring & Balancing · Awareness & Skills Training · Technology & Vendor Diversity · Change Management & Asset Management · Risk Management Process and Concepts · Risk Register, Risk Matrix, and Heat Map · Regulatory Examples · Qualitative and Quantitative Analysis · Business Impact Analysis · Identification of Critical Systems · Order of Restoration · Continuity of Operations · Privacy and Sensitive Data Concepts · Incident Notification and Escalation · Data Classification · Privacy-enhancing Technologies · Data Owners & Responsibilities · Information Lifecycle BUY THIS BOOK NOW AND GET STARTED TODAY!

In Depth Security Vol. III IGI Global

If you are a security engineer or a system administrator and want to secure your server infrastructure with the feature-rich Untangle, this book is for you. For individuals who want to start their career in the network security field, this book would serve as a perfect companion to learn the basics of network security and how to implement it using Untangle NGFW.

Mastering Palo Alto Networks IGI Global

This book provides a thorough examination and analysis of cutting-edge research and security solutions in wireless and mobile networks. It begins with coverage of the basic security concepts and fundamentals which underpin and provide the knowledge necessary for understanding and evaluating security

issues, challenges, and solutions. This material will be of invaluable use to all those working in the network security field, and especially to the many people entering the field. The next area of focus is on the security issues and available solutions associated with off-the-shelf wireless and mobile technologies such as Bluetooth, WiFi, WiMax, 2G, and 3G. There is coverage of the security techniques used to protect applications downloaded by mobile terminals through mobile cellular networks, and finally the book addresses security issues and solutions in emerging wireless and mobile technologies such as ad hoc and sensor networks, cellular 4G and IMS networks.

Untangle Network Security John Wiley & Sons

Master the art of identifying vulnerabilities within the Windows OS and develop the desired solutions for it using Kali Linux. Key Features Identify the vulnerabilities in your system using Kali Linux 2018.02 Discover the art of exploiting Windows kernel drivers Get to know several bypassing techniques to gain control of your Windows environment Book Description Windows has always been the go-to platform for users around the globe to perform administration and ad hoc tasks, in settings that range from small offices to global enterprises, and this massive footprint makes securing Windows a unique challenge. This book will enable you to distinguish yourself to your clients. In this book, you'll learn advanced techniques to attack Windows environments from the indispensable toolkit that is Kali Linux. We'll work through core network hacking concepts and advanced Windows exploitation techniques, such as stack and heap overflows, precision heap spraying, and kernel exploitation, using coding principles that allow you to leverage powerful Python

scripts and shellcode. We'll wrap up with post-exploitation strategies that enable you to go deeper and keep your access. Finally, we'll introduce kernel hacking fundamentals and fuzzing testing, so you can discover vulnerabilities and write custom exploits. By the end of this book, you'll be well-versed in identifying vulnerabilities within the Windows OS and developing the desired solutions for them. What you will learn Get to know advanced pen testing techniques with Kali Linux Gain an understanding of Kali Linux tools and methods from behind the scenes See how to use Kali Linux at an advanced level Understand the exploitation of Windows kernel drivers Understand advanced Windows concepts and protections, and how to bypass them using Kali Linux Discover Windows exploitation techniques, such as stack and heap overflows and kernel exploitation, through coding principles Who this book is for This book is for penetration testers, ethical hackers, and individuals breaking into the pentesting role after demonstrating an advanced skill in boot camps. Prior experience with Windows exploitation, Kali Linux, and some Windows debugging tools is necessary

CISSP Exam Study Guide For Security Professionals: 5 Books In 1
Jones & Bartlett Publishers

The must-have guide to the CWTS exam, updated for 2017 CWTS Certified Wireless Technology Specialist Study Guide is your number-one resource for comprehensive exam preparation. Updated to study in 2017 and beyond, this book takes a multi-modal approach to ensure your complete confidence and ability for the big day: full coverage of all CWTS exam objectives reinforces your conceptual knowledge, hands-on exercises help

hone your practical skills, and the Sybex online learning environment provides flashcards, a glossary, and review questions to help you test your understanding along the way. An objective map and pre-assessment test allow for more efficient preparation by showing you what you already know and what you need to review—and the companion website's complete practice exams give you a "dry run" so you can pinpoint weak areas while there's still time to improve. If you're serious about earning your CWTS certification, this book is your ideal companion for complete and thorough preparation. Learn critical concepts and apply essential skills in areas like hardware and software, radio frequency fundamentals, surveying and installation, support, troubleshooting, security, and more. This guide gives you everything you need to approach the exam with confidence. Master 100 percent of the CWTS exam objectives Use effective planning tools to get the most out of your study time Practice your skills with hands-on exercises and real-world scenarios Access online study aids that let you review any time, any place The CWTS certification gets your foot in the door of a growing industry, and is a stepping stone to the industry standard CWNP certification. The exam will test your abilities in all fundamental areas of Wi-Fi technology, so it's important that your study plan be complete and up-to-date. CWTS Certified Wireless Technology Specialist Study Guide is your ideal solution for comprehensive preparation.

CWTS, CWS, and CWT Complete Study Guide Packt Publishing Ltd Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for the CCNP Enterprise Wireless ENWLSD 300-425 and ENWLSI 300-430 exams. Well

regarded for its level of detail, study plans, assessment features, and challenging review questions and exercises, CCNP Enterprise Wireless Design ENWLSD 300-425 and Implementation ENWLSI 300-430 Official Cert Guide, Second Edition, helps you master the concepts and techniques that ensure your exam success and is the only self-study resource approved by Cisco. Expert authors Jerome Henry and David Hucaby share preparation hints and test-taking tips, helping you identify areas of weakness, and improve both your conceptual knowledge and hands-on skills. This complete study package includes: A test-preparation routine proven to help you pass the exam Do I Know This Already? quizzes, which allow you to decide how much time you need to spend on each section Exam Topic lists that make referencing easy Chapter-ending exercises, which help you drill on key concepts you must know thoroughly The powerful Pearson Test Prep Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports An online Flash Cards application to help you drill on Key Terms by chapter A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you organize and optimize your study time Content Update Program: This fully updated second edition includes the latest topics and additional information covering changes to the latest ENWLSD 300-425 and ENWLSI 300-430 exams. Visit ciscopress.com/newcerts for information on annual digital updates for this book that align to Cisco exam blueprint version changes. This official study guide helps you master all the topics on the CCNP Enterprise Wireless

ENWLSD 300-425 and ENWLSI 300-430 exams, including Wireless Site Survey Wired and Wireless Infrastructure Mobility WLAN High Availability FlexConnect QoS on a Wireless Network Multicast Location Services and Advanced Location Services Security for Wireless Client Connectivity Monitoring Device Hardening Companion Website: The companion website contains more than 350 unique practice exam questions, practice exercises, a study planner, and online flash cards. Pearson Test Prep online system requirements: Browsers: Microsoft Edge 90 and above, Chrome version 105 and above, and Safari version 13 and above. Devices: Desktop and laptop computers, tablets running Android v10.0 and above or iPad OS v14 and above, smartphones running Android v10.0 and above or iOS v14 and above with a minimum screen size of 4.7". Internet access required. Pearson Test Prep offline system requirements: Windows 11, Windows 10, Windows 8.1; Microsoft .NET Framework 4.5 Client; Pentium-class 1 GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases

Broadband Network Architectures Richie Miller

This book constitutes the refereed proceedings of the Third IFIP-TC6 Networking Conference, NETWORKING 2004, held in Athens, Greece, in May 2004. The 103 revised full papers and 40 revised short papers were carefully reviewed and selected from 539 submissions. The papers are organized in topical sections on network security; TCP performance; ad-hoc networks; wavelength management; multicast; wireless network performance; inter-domain routing; packet classification and scheduling; services and monitoring; admission control; competition in networks;

3G/4G wireless systems; MPLS and related technologies; flow and congestion control; performance of IEEE 802.11; optical networks; TCP and congestion; key management; authentication and DOS prevention; energy aspects of wireless networks; optical network access; routing in ad-hoc networks; fault detection, restoration, and tolerance; QoS metrics, algorithms, and architecture; content distribution, caching, and replication; and routing theory and path computation.

Performability Has Its Price Packt Publishing Ltd

Master the art of identifying and exploiting vulnerabilities with Metasploit, Empire, PowerShell, and Python, turning Kali Linux into your fighter cockpit Key Features Map your client's attack surface with Kali Linux Discover the craft of shellcode injection and managing multiple compromises in the environment Understand both the attacker and the defender mindset Book Description Let's be honest—security testing can get repetitive. If you're ready to break out of the routine and embrace the art of penetration testing, this book will help you to distinguish yourself to your clients. This pen testing book is your guide to learning advanced techniques to attack Windows and Linux environments from the indispensable platform, Kali Linux. You'll work through core network hacking concepts and advanced exploitation techniques that leverage both technical and human factors to maximize success. You'll also explore how to leverage public resources to learn more about your target, discover potential targets, analyze them, and gain a foothold using a variety of exploitation techniques while dodging defenses like antivirus and firewalls. The book focuses on leveraging target resources, such as PowerShell, to execute powerful and difficult-

to-detect attacks. Along the way, you'll enjoy reading about how these methods work so that you walk away with the necessary knowledge to explain your findings to clients from all backgrounds. Wrapping up with post-exploitation strategies, you'll be able to go deeper and keep your access. By the end of this book, you'll be well-versed in identifying vulnerabilities within your clients' environments and providing the necessary insight for proper remediation. What you will learn Get to know advanced pen testing techniques with Kali Linux Gain an understanding of Kali Linux tools and methods from behind the scenes Get to grips with the exploitation of Windows and Linux clients and servers Understand advanced Windows concepts and protection and bypass them with Kali and living-off-the-land methods Get the hang of sophisticated attack frameworks such as Metasploit and Empire Become adept in generating and analyzing shellcode Build and tweak attack scripts and modules Who this book is for This book is for penetration testers, information technology professionals, cybersecurity professionals and students, and individuals breaking into a pentesting role after demonstrating advanced skills in boot camps. Prior experience with Windows, Linux, and networking is necessary.

OPNsense Beginner to Professional Cyberoam Learning

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

CompTIA Network+ Review Guide Pearson Education

Service providers are increasingly focused on delivering triple-play bundles that incorporate Internet, video, and VoIP services—as well as multi-play bundles containing even more advanced services. *Broadband Network Architectures* is the first comprehensive guide to designing, implementing, and managing the networks that make triple-play services possible. Hellberg,

Greene, and Boyes present their field-tested industry best practices and objectively evaluate the tradeoffs associated with key up-front architectural decisions that balance the complexities of bundled services and sophisticated traffic policies. *Broadband Network Architectures* not only documents what is possible on this rapidly changing field of networking, but it also details how to divide Internet access into these more sophisticated services with specialized Quality of Service handling. Coverage includes

- An in-depth introduction to next-generation triple-play services: components, integration, and business connectivity
- Triple-play backbone design: MPLS, Layer 3 VPNs, and Broadband Network Gateways (BNGs)/Broadband Remote Access Servers (B-RAS)
- Protocols and strategies for integrating BNGs into robust triple-play networks
- Triple-play access network design: DSLAM architectures, aggregation networks, transport, and Layer 2 tunneling
- VLAN-per-customer versus service-per-VLAN architectures: advantages and disadvantages
- PPP or DHCP: choosing the right access protocol
- Issues associated with operating in wholesale, unbundled environments
- IP addressing and subscriber session management
- Broadband network security, including Denial of Service attacks and VoIP privacy
- The future of wireless broadband: IMS, SIP, and non-SIP based fixed mobile convergence and wireless video

[Wireless Technologies: Concepts, Methodologies, Tools and Applications](#) John Wiley & Sons

The most detailed, comprehensive coverage of CWSP-205 exam objectives CWSP: Certified Wireless Security Professional Study Guide offers comprehensive preparation for the CWSP-205 exam. Fully updated to align with the new 2015 exam, this guide covers

all exam objectives and gives you access to the Sybex interactive online learning system so you can go into the test fully confident in your skills. Coverage includes WLAN discovery, intrusion and attack, 802.11 protocol analysis, wireless intrusion prevention system implementation, Layer 2 and 3 VPN over 802.11 networks, managed endpoint security systems, and more. Content new to this edition features discussions about BYOD and guest access, as well as detailed and insightful guidance on troubleshooting. With more than double the coverage of the “official” exam guide, plus access to interactive learning tools, this book is your ultimate solution for CWSP-205 exam prep. The CWSP is the leading vendor-neutral security certification administered for IT professionals, developed for those working with and securing wireless networks. As an advanced certification, the CWSP requires rigorous preparation — and this book provides more coverage and expert insight than any other source. Learn the ins and outs of advanced network security Study 100 percent of CWSP-205 objectives Test your understanding with two complete practice exams Gauge your level of preparedness with a pre-test assessment The CWSP is a springboard for more advanced certifications, and the premier qualification employers look for in the field. If you’ve already earned the CWTS and the CWNA, it’s time to take your career to the next level. CWSP: Certified Wireless Security Professional Study Guide is your ideal companion for effective, efficient CWSP-205 preparation.

Applied Cryptography and Network Security John Wiley & Sons
Fortinet offers the most comprehensive solutions to help industries accelerate security, maximize productivity, preserve

user experience, and lower total cost of ownership. A FortiGate firewall is a comprehensive network security solution that provides firewall protection, intrusion prevention, antivirus and antimalware scanning, VPN connectivity, and other security features. FortiGate firewall is also a router. It offers real-time threat intelligence to help you stay one step ahead of cyber attackers. When a firewall executes packet filtering, it examines the packets of data, comparing it against filters, which consist of information used to identify malicious data. If a data packet meets the parameters of a threat as defined by a filter, then it is discarded and your network is protected. This book consists from the following parts: 1. Firewall Evaluation 2. Firewall Sizing 3. FortiGate Series 4. FortiGate Access 5. FortiGate GUI Overview 6. FortiGate Administrator: 7. FortiGate Password Policy: 8. FortiGate Global Settings 9. FortiGate Modes 10. FortiGate Feature Visibility 11. FortiGuard 12. Interfaces 13. FortiGate Policy 14. FortiGate Firewall NAT 15. FortiGate Authentication 16. FortiGate Firewall Digital Certificates 17. FortiGate Firewall Security Profiles Inspection Mode 18. FortiGate Intrusion and Prevention System (IPS) 19. FortiGate Web Filtering 20. FortiGate Firewall File Filtering 21. FortiGate Firewall Application Control 22. FortiGate Firewall Antivirus Security Profile 23. FortiGate High Availability 24. Other Details about FortiGate High Availability 25. FortiGate Firewall VPN 26. FortiGate Firewall IPsec 27. FortiGate Firewall SSL-VPN 28. FortiGate Firewall SD-WAN 29. Labs and Tutorials

Basic Configuration of FortiGate Firewall Packt Publishing Ltd
Install and configure a pfSense router/firewall, and become a pfSense expert in the process. Key Features You can always do

more to secure your software – so extend and customize your pfSense firewall Build a high availability security system that’s fault-tolerant – and capable of blocking potential threats Put the principles of better security into practice by implementing examples provided in the text Book Description pfSense has the same reliability and stability as even the most popular commercial firewall offerings on the market – but, like the very best open-source software, it doesn’t limit you. You’re in control – you can exploit and customize pfSense around your security needs. Mastering pfSense - Second Edition, covers features that have long been part of pfSense such as captive portal, VLANs, traffic shaping, VPNs, load balancing, Common Address Redundancy Protocol (CARP), multi-WAN, and routing. It also covers features that have been added with the release of 2.4, such as support for ZFS partitions and OpenVPN 2.4. This book takes into account the fact that, in order to support increased cryptographic loads, pfSense version 2.5 will require a CPU that supports AES-NI. The second edition of this book places more of an emphasis on the practical side of utilizing pfSense than the previous edition, and, as a result, more examples are provided which show in step-by-step fashion how to implement many features. What you will learn Configure pfSense services such as DHCP, Dynamic DNS, captive portal, DNS, NTP and SNMP Set up a managed switch to work with VLANs Use pfSense to allow, block and deny traffic, and to implement Network Address Translation (NAT) Make use of the traffic shaper to lower and raise the priority of certain types of traffic Set up and connect to a VPN tunnel with pfSense Incorporate redundancy and high availability by utilizing load balancing and the Common Address Redundancy

Protocol (CARP) Explore diagnostic tools in pfSense to solve network problems Who this book is for This book is for those with at least an intermediate understanding of networking. Prior knowledge of pfSense would be helpful but is not required. Those who have the resources to set up a pfSense firewall, either in a real or virtual environment, will especially benefit, as they will be able to follow along with the examples in the book.

CCNP Enterprise Wireless Design ENWLSD 300-425 and Implementation ENWLSI 300-430 Official Cert Guide

Springer Science & Business Media

Software Defined Networks: A Comprehensive Approach, Second Edition provides in-depth coverage of the technologies collectively known as Software Defined Networking (SDN). The book shows how to explain to business decision-makers the benefits and risks in shifting parts of a network to the SDN model, when to integrate SDN technologies in a network, and how to develop or acquire SDN applications. In addition, the book emphasizes the parts of the technology that encourage opening up the network, providing treatment for alternative approaches to SDN that expand the definition of SDN as networking vendors adopt traits of SDN to their existing solutions. Since the first edition was published, the SDN market has matured, and is being gradually integrated and morphed into something more compatible with mainstream networking vendors. This book reflects these changes, with coverage of the OpenDaylight controller and its support for multiple southbound protocols, the Inclusion of NETCONF in discussions on controllers and devices, expanded coverage of NFV, and updated coverage of the latest approved version (1.5.1) of the OpenFlow specification. Contains

expanded coverage of controllers Includes a new chapter on NETCONF and SDN Presents expanded coverage of SDN in optical networks Provides support materials for use in computer networking courses

Mobile Computing Deployment and Management Springer Nature

This book constitutes the refereed proceedings of the 5th International Workshop on Internet Charging and QoS

Technologies, ICQT 2006, held in St. Malo, France, June 2006 as an associated workshop of ACM Sigmetrics / IFIP Performance 2006. The book presents eight revised full papers together with a keynote paper, organized in topical sections on economy-driven modeling, auctions, peer-to-peer, and secure billing, addressing vital topics in networking research and business modeling.

Auditing Corporate Surveillance Systems Springer Science & Business Media

Work with one of the most efficient open-source FreeBSD-based firewall and routing solutions to secure your network with ease

Key Features • Learn end-to-end OPNsense firewall implementation and management • Defend against attacks by leveraging third-party plugins such as Nginx and Sensei • Grasp hands-on examples and labs to become proficient with OPNsense firewall **Book Description** OPNsense is one of the most powerful open source firewalls and routing platforms available. With OPNsense, you can now protect networks using features that were only previously available to closed source commercial firewalls. This book is a practical guide to building a comprehensive network defense strategy using OPNsense. You'll start with the basics, understanding how to install, configure, and protect network resources using native features and additional

OPNsense plugins. Next, you'll explore real-world examples to gain in-depth knowledge of firewalls and network defense. You'll then focus on boosting your network defense, preventing cyber threats, and improving your knowledge of firewalling using this open source security platform. By the end of this OPNsense book, you'll be able to install, configure, and manage the OPNsense firewall by making the most of its features. What you will learn • Understand the evolution of OPNsense • Get up and running with installing and setting up OPNsense • Become well-versed with firewalling concepts and learn their implementation and practices • Discover how to apply web browsing controls and website protection • Leverage Sensei to implement next-generation firewall features • Explore the command-line interface (CLI) and learn the most relevant FreeBSD commands **Who this book is for** This OPNsense firewall book is for system administrators, network administrators, network security professionals, and enthusiasts who wish to build and manage an enterprise-grade firewall using OPNsense. A basic understanding of how a firewall works will be helpful to make the most of this book.

Wireless Security Architecture Richie Miller

Essential last-minute review aid for the updated CompTIA Network+ Exam N10-007 **CompTIA Network+ Review Guide Exam N10-007, 4th Edition**, is your ideal study companion for preparing for the CompTIA Network+ exam (N10-007). Organized by exam objectives, this is a focused, concise review guide that works hand-in-hand with any learning tool, including the Sybex **CompTIA Network+ Study Guide, CompTIA Network+ Deluxe Study Guide, and CompTIA Network+ Practice Tests**. The book is broken into 5 parts, each part corresponding to one of the 5

objective domain areas of the Network+ exam: Network Architecture; Network Operations; Network Security; Troubleshooting; and Industry Standards, Practices, and Network Theory. Readers will also be given access to the comprehensive online Sybex test bank, which includes two bonus practice tests, electronic flashcards, and a glossary of terms that you'll need to know come exam day. CompTIA's Network+ certification covers advances in networking technology, and reflects changes in associated job tasks. The exam places greater emphasis on network implementation and support, and includes expanded coverage of wireless networking topics. This review guide gives you the opportunity to identify your level of knowledge while there's still time to study, and avoid exam-day surprises. Review network architecture and security Understand network operations and troubleshooting Gain insight into industry standards and best practices Get a firmer grasp of network theory fundamentals If you're looking for a beginning, vendor-neutral networking certification, look no further than CompTIA Network+.

Wireless and Mobile Device Security Excellent Publishing

"This book presents in-depth insight through a case study approach into the current state of research in ICT as well as identified successful approaches, tools and methodologies in ICT research"--Provided by publisher.

CWSP Certified Wireless Security Professional Study Guide Packt Publishing Ltd

Sybex is now the official publisher for Certified Wireless Network Professional, the certifying vendor for the CWSP program. This guide covers all exam objectives, including WLAN discovery techniques, intrusion and attack techniques, 802.11 protocol

analysis. Wireless intrusion-prevention systems implementation, layer 2 and 3 VPNs used over 802.11 networks, and managed endpoint security systems. It also covers enterprise/SMB/SOHO/Public-Network Security design models and security solution implementation, building robust security networks, wireless LAN management systems, and much more.

CWSP Certified Wireless Security Professional Official Study Guide Packt Publishing Ltd

NOTE: The exam this book covered, CWNA: Certified Wireless Network Administrator: Exam CWNA- 106, was retired by CWNP in 2018 and is no longer offered. For coverage of the current exam CWNA: Certified Wireless Network Administrator - Exam CWNA-107, 5th Edition, please look for the latest edition of this guide: CWNA: Certified Wireless Network Administrator Study Guide - Exam CWNA-107, 5th Edition (9781119425786). The CWNA: Certified Wireless Network Administrator Official Study Guide: Exam CWNA-106 is the officially endorsed CWNA test prep for the leading wireless certification. Expert authors and CWNEs David D. Coleman and David A. Westcott guide readers through the skills and concepts candidates need to know for the exam, using hands-on methods to convey an in-depth understanding of wireless network administration. Readers should have a basic knowledge of Radio Frequency behavior, experience with WLAN hardware peripherals and protocols, and an interest in designing, installing, and managing wireless networks. Wireless technology is taking over the tech industry, and the demand for competent, certified professionals is far outpacing the supply. A CWNA certification denotes advanced-level proficiency in the field, with a complete understanding of wireless LAN components, features,

and function—but the only way to pass the exam is to truly understand the material, not just the talking points. The CWNA: Certified Wireless Network Administrator Official Study Guide thoroughly covers each exam objective, and includes review questions, assessment tests, and exercises to test your skills. Topics include: Radio Frequency technologies, regulations, and standards 802.11 protocols Network implementation and security 802.11 RF site surveying Readers also get access to a suite of

study tools including an electronic test engine with hundreds or practice test questions, electronic flashcards, exercise peripherals, and industry White Papers, which serve as valuable backup references. In preparing for the CWNA-106 exam, the ideal study guide should cover all of the exam topics in depth—CWNA: Certified Wireless Network Administrator Official Study Guide does just that, making it an excellent, comprehensive study guide.

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