Hacking Exposed Cisco Networks Cisco Security Secrets Solutions Cisco Security Secrets And Solutions

A guide to computer software security covers such topics as format string problems, command injection, cross-site scripting, SSL, information leakage, and key exchange. Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide Second Edition Foundation learning for the CCNA Security IINS 640-554 exam Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide, Second Edition, is a Cisco-authorized, self-paced learning tool for CCNA® Security 640-554 foundation learning. This book provides you with the knowledge needed to secure Cisco® networks. By reading this book, you will gain a thorough understanding of how to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats. This book focuses on using Cisco

IOS routers to protect the network by capitalizing on their advanced features as a perimeter router, firewall, intrusion prevention system, and site-to-site VPN device. The book also covers the use of Cisco Catalyst switches for basic network security, the Cisco Secure Access Control System (ACS), and the Cisco Adaptive Security Appliance (ASA). You learn how to perform basic tasks to secure a small branch office network using Cisco IOS security features available through web-based GUIs (Cisco Configuration Professional) and the CLI on Cisco routers, switches, and ASAs. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide, Second Edition, 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. -- Develop a comprehensive network security policy to counter threats against information security -- Secure borderless networks -- Learn how to use Cisco IOS Network Foundation Protection (NFP) and Cisco Configuration Professional (CCP) -- Securely implement the management and reporting features of Cisco IOS devices -- Deploy Cisco Catalyst Switch security features -- Understand IPv6 security features -- Plan threat control strategies -- Filter traffic with access control lists -- Configure ASA and Cisco IOS zone-based firewalls -- Implement intrusion prevention systems (IPS) and network address translation (NAT) -- Secure connectivity with site-to-site IPsec VPNs and remote access VPNs This volume is in the Foundation Learning Guide Series offered by Cisco Press®. These guides are developed together with Cisco as the only authorized, self-paced

learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams. Category: Cisco Certification Covers: CCNA Security IINS exam 640-554

The stories about phishing attacks against banks are so true-to-life, it's chilling." --Joel Dubin, CISSP, Microsoft MVP in Security Every day, hackers are devising new ways to break into your network. Do you have what it takes to stop them? Find out in Hacker's Challenge 3. Inside, top-tier security experts offer 20 brand-new, real-world network security incidents to test your computer forensics and response skills. All the latest hot-button topics are covered, including phishing and pharming scams, internal corporate hacking, Cisco IOS, wireless, iSCSI storage, VoIP, Windows, Mac OS X, and UNIX/Linux hacks, and much more. Each challenge includes a detailed explanation of the incident--how the break-in was detected, evidence and clues, technical background such as log files and network maps, and a series of questions for you to solve.

In Part II, you'll get a detailed analysis of how the experts solved each incident.

New security risks, continuously evolving regulation and increasing security standards have created new and growing needs for secure internal information transfers, which SSH provides. This book addresses these new trends in depth, offering the most up-to-date information on the integration of SSH into a security environment. It covers the newest features and applications of SSH-2 (which received Proposed Standard status from the IETF in 2006). SSH2 is more secure than previous versions and has many expanded uses on a wider variety of computing platforms. Another particular note driving new SSH2 adoption are the requirements of recent legislation (PCI/HIPAA/SOX/FISMA). SSH 2 has become an even more valuable tool, as it provides communications security compliance with the latest standards. This book offers the most up-to-date information on SSH2 in a practical, hands-on, tutorial-style reference that goes well beyond UNIX implementation. It concentrates on the

latest version of SSH 2 with all new information. * Discover why SSH2 offers more robust security than SSH1 and how to incorporate it into your network administration software toolbox.

Staying Safe in a Digital World

Computer Security Literacy

Hacking Exposed Cisco Networks

Hacker's Challenge 2: Test Your Network Security & Forensic Skills

Securing Data in Motion

Snort Intrusion Detection and Prevention Toolkit

Computer users have a significant impact on the security of their computer and personal information as a result of the actions they perform (or do not perform). Helping the average user of computers, or more broadly information technology, make sound security decisions, Computer Security Literacy: Staying Safe in a Digital World focuses on practica

Secure Your Wireless Networks the Hacking Exposed Way Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. Hacking Exposed Wireless reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from

Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

Offers real-life incidents relating to security topics including Denial of Service, malicious code, and wireless technologies, providing details of the incident, how the problem was discovered, and how it was solved.

Written for those IT professionals who have some networking background but are new to the security field, this handbook is divided into three parts: first the basics, presenting terms and concepts; second, the two components of security--cryptography and security policies--and finally the various security components, such as router security, firewalls, remote access security, wireless security and VPNs. Original. (Intermediate)

How to Cheat at Securing Linux

CISSP All-in-One Exam Guide, Third Edition

Security Secrets & Solutions

Building Secure Systems in Untrusted Networks

Hacking Exposed Wireless

Network Security First-Step

Your first step into the world of network security No security experience required Includes clear and easily understood explanations Makes learning easy Your first step to network security begins here! Learn about hackers and their attacks Understand security tools and technologies Defend your network with firewalls, routers, and other devices Explore security for wireless networks Learn how to prepare for security incidents Welcome to the world of network security! Computer networks are indispensable-but they're also not secure. With the proliferation of Internet viruses and worms, many people and companies are considering increasing their network security. But first, you need to make sense of this complex world of hackers, viruses, and the tools to combat them. No security experience needed! Network Security First-Step explains the basics of network security in easy-to-grasp language that all of us can understand. This book takes you on a guided tour of the core technologies that make up and control network security. Whether you are looking to take your first step into a career in network security or are interested in simply gaining knowledge of the technology, this book is for you!

Linux servers now account for 33% of all networks servers running

worldwide (Source: IDC). The top 3 market share holders in the network server space (IBM, Hewlett-Packard, and Dell) all use Linux as their standard operating system. This book teaches Linux system administrators how to protect their servers from malicious threats. As with any technologies, increased usage results in increased attention from malicious hackers. For years a myth existed that Windows was inherently less secure than Linux, because there were significantly more attacks against Windows machines than Linux. This was a fallacy. There were more attacks against Windows machines because there were simply so many more Windows machines to attack. Now, the numbers tell the exact opposite story. Linux servers account for 1/3 of all servers worldwide, but in 2005 there were 3 times as many high-severity security vulnerabilities discovered on Linux servers (Source: IDC). This book covers Open Source security, implementing an intrusion detection system, unearthing Rootkits, defending against malware, creating Virtual Private Networks, and much more. The Perfect Reference for the Multitasked SysAdmin * Discover Why "Measure Twice, Cut Once" Applies to Securing Linux * Complete Coverage of Hardening the Operating System, Implementing an Intrusion Detection System, and Defending Databases * Short on Theory, History, and Technical Data that Is Not Helpful in Performing Your Job

"Richard Deal's gift of making difficult technology concepts understandable has remained constant. Whether it is presenting to a room of information technology professionals or writing books, Richard's communication skills are unsurpassed. As information technology professionals we are faced with overcoming challenges every day...Cisco ASA Configuration is a great reference and tool for answering our challenges." --From the Foreword by Steve Marcinek (CCIE 7225), Systems Engineer, Cisco Systems A hands-on guide to implementing Cisco ASA Configure and maintain a Cisco ASA platform to meet the requirements of your security policy. Cisco ASA Configuration shows you how to control traffic in the corporate network and protect it from internal and external threats. This comprehensive resource covers the latest features available in Cisco ASA version 8.0, and includes detailed examples of complex configurations and troubleshooting. Implement and manage Cisco's powerful, multifunction network adaptive security appliance with help from this definitive guide. Configure Cisco ASA using the command-line interface (CLI) and Adaptive Security Device Manager (ASDM) Control traffic through the appliance with access control lists (ACLs) and object groups Filter Java, ActiveX, and web content Authenticate and authorize connections using Cut-through Proxy (CTP) Use Modular Policy Framework (MPF) to configure security appliance features

Perform protocol and application inspection Enable IPSec site-to-site and remote access connections Configure WebVPN components for SSL VPN access Implement advanced features, including the transparent firewall, security contexts, and failover Detect and prevent network attacks Prepare and manage the AIP-SSM and CSC-SSM cards

The definitive guide to penetrating and defending wireless networks. Straight from the field, this is the definitive guide to hacking wireless networks. Authored by world-renowned wireless security auditors, this hands-on, practical guide covers everything you need to attack -- or protect -- any wireless network. The authors introduce the 'battlefield, ' exposing today's 'wide open' 802.11 wireless networks and their attackers. One step at a time, you'll master the attacker's entire arsenal of hardware and software tools: crucial knowledge for crackers and auditors alike. Next, you'll learn systematic countermeasures for building hardened wireless 'citadels''including cryptography-based techniques, authentication, wireless VPNs, intrusion detection, and more. Coverage includes: Step-by-step walkthroughs and explanations of typical attacks Building wireless hacking/auditing toolkit: detailed recommendations, ranging from discovery tools to chipsets and antennas Wardriving: network mapping and site surveying Potential weaknesses in current and emerging standards,

including 802.11i, PPTP, and IPSec Implementing strong, multilayered defenses Wireless IDS: why attackers aren't as untraceable as they think Wireless hacking and the law: what's legal, what isn't If you're a hacker or security auditor, this book will get you in. If you're a netadmin, sysadmin, consultant, or home user, it will keep everyone else out.

Network Security Secrets& Solutions

Hacking Exposed 7 : Network Security Secrets & Solutions, Seventh Edition

Next Generation SSH2 Implementation

Hacking Exposed Web Applications, Second Edition

Hacking Exposed Cisco Ntwks

A guide to Web site security looks at the ways hackers target and attack vulnerable sites and provides information and case studies on countermeasures and security techniques.

One of the biggest buzzwords in the IT industry for the past few years, virtualization has matured into a practical requirement for many best-practice business scenarios, becoming an invaluable tool for security professionals at companies of every size. In addition to saving time and other resources,

virtualization affords unprecedented means for intrusion and malware detection, prevention, recovery, and analysis. Taking a practical approach in a growing market underserved by books, this hands-on title is the first to combine in one place the most important and sought-after uses of virtualization for enhanced security, including sandboxing, disaster recovery and high availability, forensic analysis, and honeypotting. Already gaining buzz and traction in actual usage at an impressive rate, Gartner research indicates that virtualization will be the most significant trend in IT infrastructure and operations over the next four years. A recent report by IT research firm IDC predicts the virtualization services market will grow from $5.5 billion in 2006 to $11.7 billion in 2011. With this growth in adoption, becoming increasingly common even for small and midsize businesses, security is becoming a much more serious concern, both in terms of how to secure virtualization and how virtualization can serve critical security objectives. Titles exist and are on the way to fill the need for securing virtualization, but security professionals do not yet have a book outlining the

many security applications of virtualization that will become increasingly important in their job requirements. This book is the first to fill that need, covering tactics such as isolating a virtual environment on the desktop for application testing, creating virtualized storage solutions for immediate disaster recovery and high availability across a network, migrating physical systems to virtual systems for analysis, and creating complete virtual systems to entice hackers and expose potential threats to actual production systems. About the Technologies A sandbox is an isolated environment created to run and test applications that might be a security risk. Recovering a compromised system is as easy as restarting the virtual machine to revert to the point before failure. Employing virtualization on actual production systems, rather than just test environments, yields similar benefits for disaster recovery and high availability. While traditional disaster recovery methods require time-consuming reinstallation of the operating system and applications before restoring data, backing up to a virtual machine makes the recovery process

much easier, faster, and efficient. The virtual machine can be restored to same physical machine or an entirely different machine if the original machine has experienced irreparable hardware failure. Decreased downtime translates into higher availability of the system and increased productivity in the enterprise. Virtualization has been used for years in the field of forensic analysis, but new tools, techniques, and automation capabilities are making it an increasingly important tool. By means of virtualization, an investigator can create an exact working copy of a physical computer on another machine, including hidden or encrypted partitions, without altering any data, allowing complete access for analysis. The investigator can also take a live ?snapshot? to review or freeze the target computer at any point in time, before an attacker has a chance to cover his tracks or inflict further damage.

Analyzes attacks on computer networks, discusses security, auditing, and intrusion detection procedures, and covers hacking on the Internet, attacks against Windows, e-commerce hacking methodologies, and new discovery tools.

Proven security tactics for today's mobile apps, devices, and networks "A great overview of the new threats created by mobile devices. ...The authors have heaps of experience in the topics and bring that to every chapter." -- Slashdot Hacking Exposed Mobile continues in the great tradition of the Hacking Exposed series, arming business leaders and technology practitioners with an in-depth understanding of the latest attacks and countermeasures--so they can leverage the power of mobile platforms while ensuring that security risks are contained." -- Jamil Farshchi, Senior Business Leader of Strategic Planning and Initiatives, VISA Identify and evade key threats across the expanding mobile risk landscape. Hacking Exposed Mobile: Security Secrets & Solutions covers the wide range of attacks to your mobile deployment alongside ready-to-use countermeasures. Find out how attackers compromise networks and devices, attack mobile services, and subvert mobile apps. Learn how to encrypt mobile data, fortify mobile platforms, and eradicate malware. This cutting-edge guide reveals secure mobile development guidelines, how to leverage

mobile OS features and MDM to isolate apps and data, and the techniques the pros use to secure mobile payment systems. Tour the mobile risk ecosystem with expert guides to both attack and defense Learn how cellular network attacks compromise devices over-the-air See the latest Android and iOS attacks in action, and learn how to stop them Delve into mobile malware at the code level to understand how to write resilient apps Defend against server-side mobile attacks, including SQL and XML injection Discover mobile web attacks, including abuse of custom URI schemes and JavaScript bridges Develop stronger mobile authentication routines using OAuth and SAML Get comprehensive mobile app development security guidance covering everything from threat modeling to iOS- and Android-specific tips Get started quickly using our mobile pen testing and consumer security checklists

(CCNA Security exam 640-553) (Authorized Self-Study Guide)

Designing and Building Enterprise DMZs

Security Sage's Guide to Hardening the Network Infrastructure

19 Deadly Sins of Software Security

Network Security Fundamentals

Network Security Secrets & Solutions, Seventh Edition

Implementing Cisco IOS Network Security (IINS) is a Cisco-authorized, self-paced learning tool for CCNA® Security foundation learning. This book provides you with the knowledge needed to secure Cisco® routers and switches and their associated networks. By reading this book, you will gain a thorough understanding of how to troubleshoot and monitor network devices to maintain integrity, confidentiality, and availability of data and devices, as well as the technologies that Cisco uses in its security infrastructure. This book focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. You will learn how to perform basic tasks to secure a small branch type office network using Cisco IOS® security features available through the Cisco Router and Security Device Manager (SDM) web-based graphical user interface (GUI) and through the command-line interface (CLI) on Cisco routers and switches. The author also provides, when appropriate, parallels with Cisco ASA appliances. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security (IINS) 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. Develop a comprehensive network security policy to counter threats against information security Configure routers on the network perimeter with Cisco IOS Software security features Configure firewall features including ACLs and Cisco IOS zone-based policy firewalls to perform basic security operations on a network Configure site-to-site VPNs using Cisco IOS features Configure IPS on Cisco network routers Configure LAN devices to control access, resist attacks, shield other network devices and systems, and protect the integrity and confidentiality of network traffic This volume is in the Certification Self-Study Series offered by Cisco Press®. Books in this series provide officially developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations.

The essential guide to understanding and using firewalls to protect personal computers and your network An easy-to-read introduction to the most commonly deployed network security device Understand the threats firewalls are designed to protect against Learn basic firewall architectures, practical deployment scenarios, and common management and troubleshooting tasks Includes

configuration, deployment, and management checklists Increasing reliance on the Internet in both work and home environments has radically increased the vulnerability of computing systems to attack from a wide variety of threats. Firewall technology continues to be the most prevalent form of protection against existing and new threats to computers and networks. A full understanding of what firewalls can do, how they can be deployed to maximum effect, and the differences among firewall types can make the difference between continued network integrity and complete network or computer failure. Firewall Fundamentals introduces readers to firewall concepts and explores various commercial and open source firewall implementations--including Cisco, Linksys, and Linux--allowing network administrators and small office/home office computer users to effectively choose and configure their devices. Firewall Fundamentals is written in clear and easy-to-understand language and helps novice users understand what firewalls are and how and where they are used. It introduces various types of firewalls, first conceptually and then by explaining how different firewall implementations actually work. It also provides numerous implementation examples, demonstrating the use of firewalls in both personal and business-related scenarios, and explains how a firewall should be installed and configured. Additionally, generic firewall troubleshooting methodologies and common management tasks are clearly defined and explained.

The Third Edition of this proven All-in-One exam guide provides total coverage of the CISSP certification exam, which has again been voted one of the Top 10 IT certifications in 2005 by CertCities. Revised and updated using feedback from Instructors and students, learn security operations in the areas of telecommunications, cryptography, management practices, and more. Plan for continuity and disaster recovery. Update your knowledge of laws, investigations, and ethics. Plus, run the CD-ROM and practice with more than 500 all new simulated exam questions. Browse the all new electronic book for studying on the go. Let security consultant and author Shon Harris lead you to successful completion of the CISSP.

The tenth anniversary edition of the world's bestselling computer security book! The original Hacking Exposed authors rejoin forces on this new edition to offer completely up-to-date coverage of today's most devastating hacks and how to prevent them. Using their proven methodology, the authors reveal how to locate and patch system vulnerabilities. The book includes new coverage of ISO images, wireless and RFID attacks, Web 2.0 vulnerabilities, anonymous hacking tools, Ubuntu, Windows Server 2008, mobile devices, and more. Hacking Exposed 6 applies the authors' internationally renowned computer security methodologies, technical rigor, and "from-the-trenches" experience to make computer technology usage and deployments safer and more secure for

businesses and consumers. "A cross between a spy novel and a tech manual." --Mark A. Kellner, Washington Times "The seminal book on white-hat hacking and countermeasures . . . Should be required reading for anyone with a server or a network to secure." --Bill Machrone, PC Magazine "A must-read for anyone in security . . . One of the best security books available." --Tony Bradley, CISSP, About.com

Hacker's Challenge 3

Network Infrastructure Security

Cisco ASA Configuration

Implementing Cisco IOS Network Security (IINS)

Handbook of Communications Security

Strategies, Tactics, Logic and Framework

This book deals with the philosophy, strategy and tactics of soliciting, managing and conducting information security audits of all flavours. It will give readers the founding principles around information security assessments and why they are important, whilst providing a fluid framework for developing an astute 'information security mind' capable of rapid adaptation to evolving technologies, markets, regulations, and laws.

This book constitutes the proceedings of three International Conferences, NeCoM 2011, on Networks & Communications, WeST 2011, on Web and Semantic Technology, and WiMoN 2011, on Wireless and Mobile Networks, jointly held in

Chennai, India, in July 2011. The 74 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers address all technical and practical aspects of networks and communications in wireless and mobile networks dealing with issues such as network protocols and wireless networks, data communication technologies, and network security; they present knowledge and results in theory, methodology and applications of the Web and semantic technologies; as well as current research on wireless and mobile communications, networks, protocols and on wireless and mobile security. Sidestep VoIP Catastrophe the Foolproof Hacking Exposed Way "This book illuminates how remote users can probe, sniff, and modify your phones, phone switches, and networks that offer VoIP services. Most importantly, the authors offer solutions to mitigate the risk of deploying VoIP technologies." --Ron Gula, CTO of Tenable Network Security Block debilitating VoIP attacks by learning how to look at your network and devices through the eyes of the malicious intruder. Hacking Exposed VoIP shows you, step-by-step, how online criminals perform reconnaissance, gain access, steal data, and penetrate vulnerable systems. All hardware-specific and network-centered security issues are covered alongside detailed countermeasures, in-depth examples, and hands-on implementation techniques. Inside, you'll learn how to defend against the latest DoS, man-in-the-middle, call flooding, eavesdropping, VoIP fuzzing, signaling and audio manipulation, Voice SPAM/SPIT, and voice phishing attacks. Find out how hackers footprint, scan, enumerate, and pilfer VoIP networks and hardware

Fortify Cisco, Avaya, and Asterisk systems Prevent DNS poisoning, DHCP exhaustion, and ARP table manipulation Thwart number harvesting, call pattern tracking, and conversation eavesdropping Measure and maintain VoIP network quality of service and VoIP conversation quality Stop DoS and packet flood-based attacks from disrupting SIP proxies and phones Counter REGISTER hijacking, INVITE flooding, and BYE call teardown attacks Avoid insertion/mixing of malicious audio Learn about voice SPAM/SPIT and how to prevent it Defend against voice phishing and identity theft scams

This is the only book available on building network DMZs, which are the cornerstone of any good enterprise security configuration. It covers market-leading products from Microsoft, Cisco, and Check Point. One of the most complicated areas of network technology is designing, planning, implementing, and constantly maintaining a demilitarized zone (DMZ) segment. This book is divided into four logical parts. First the reader will learn the concepts and major design principles of all DMZs. Next the reader will learn how to configure the actual hardware that makes up DMZs for both newly constructed and existing networks. Next, the reader will learn how to securely populate the DMZs with systems and services. The last part of the book deals with troubleshooting, maintaining, testing, and implementing security on the DMZ. The only book published on Network DMZs on the components of securing enterprise networks This is the only book available on building network DMZs, which are the cornerstone of any good enterprise security configuration. It covers market-

leading products from Microsoft, Cisco, and Check Point Provides detailed examples for building Enterprise DMZs from the ground up and retro-fitting existing infrastructures

Hacking Exposed, Sixth Edition

Web Application Security Secrets and Solutions

Including Sandboxing, Disaster Recovery, High Availability, Forensic Analysis, and Honeypotting

Assessing Information Security

Hacking Exposed VoIP: Voice Over IP Security Secrets & Solutions

20 Brand New Forensic Scenarios & Solutions

Communications represent a strategic sector for privacy protection and for personal, company, national and international security. The interception, damage or lost of information during communication can generate material and non material economic damages from both a personal and collective point of view. The purpose of this book is to give the reader information relating to all aspects of communications security, beginning at the base ideas and building to reach the most advanced and updated concepts. The book will be of interest to integrated system designers, telecommunication designers, system engineers, system analysts, security managers, technicians, intelligence personnel, security personnel, police, army, private investigators, scientists, graduate and postgraduate students and anyone that needs to communicate in a secure way.

The Security+ certification is CompTIA's response to membership requests to develop a foundation-level certification for security workers. The IT industry is in agreement that there is a need to better train, staff, and empower those tasked with designing and implementing information security, and Security+ is an effort to meet this demand. The exam is under consideration by Microsoft as the baseline security certification for Microsoft's new security certification initiative. The Security+ Training Guide is a comprehensive resource for those preparing to take this exam, covering everything in a format that maps to the exam objectives. The book has been subjected to a rigorous technical review, ensuring content is superior in both coverage and technical accuracy. The accompanying CD features PrepLogic(tm) Practice Tests, Preview Edition. This product includes one complete PrepLogic Practice Test with approximately the same number of questions found on the actual vendor exam. Each question contains full, detailed explanations of the correct and incorrect answers. The engine offers two study modes, Practice Test and Flash Review, full exam customization, and a detailed score report.

This is the only book to clearly demonstrate how to get big dollar security for your network using freely available tools. This is a must have book for any company or person with a limited budget. Network security is in a constant struggle for budget to get things done. Upper management wants thing to be secure but doesn't want to pay for it. With this book as a guide, everyone can get what they want. The examples and

*information will be of immense value to every small business. It will explain security principles and then demonstrate how to achieve them using only freely available software. Teachers you how to implement best of breed security using tools for free Ideal for anyone recomending and implementing new technologies within the company This is the only computer book to focus completely on infrastucture security: network devices, protocols and architectures. It offers unique coverage of network design so administrators understand how they should design and protect their enterprises. Network security publishing has boomed in the last several years with a proliferation of materials that focus on various elements of the enterprise. * This is the only computer book to focus completely on infrastucture security: network devices, protocols and architectures * It offers unique coverage of network design so administrators understand how they should design and protect their enterprises * Helps provide real practical solutions and not just background theory*

Implementing Cisco IOS Network Security (IINS 640-554) Foundation Learning Guide

Cisco Security Secrets & Solutions

Hacking Exposed Mobile

Wi-Foo

Netcat Power Tools

Secure Your Network for Free

Here is the first book to focus solely on Cisco network hacking, security auditing, and

defense issues. Using the proven Hacking Exposed methodology, this book shows you how to locate and patch system vulnerabilities by looking at your Cisco network through the eyes of a hacker. The book covers device-specific and network-centered attacks and defenses and offers real-world case studies.

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind the firewall have no defenses of their own, so when a host in the "trusted" zone is breached, access to your data center is not far behind. That's an all-too-familiar scenario today. With this practical book, you'll learn the principles behind zero trust architecture, along with details necessary to implement it. The Zero Trust Model treats all hosts as if they're internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you'll focus on building strong authentication, authorization, and encryption throughout, while providing compartmentalized access and better operational agility. Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

Provides information on how hackers target exposed computer networks and gain access and ways to stop these intrusions, covering such topics as routers, firewalls, and VPN vulnerabilities.

Hacking Exposed Cisco NetworksCisco Security Secrets & SolutionsMcGraw Hill Professional

How to Cheat at Configuring Open Source Security Tools

Security+ Training Guide
Network Security Secrets & Solutions
Programming Flaws and How to Fix Them
Hacking Exposed
Trends in Network and Communications

The latest techniques for averting UC disaster Establish a holistic security stance by learning to view your unified communications infrastructure through the eyes of the nefarious cyber-criminal. Hacking Exposed Unified Communications & VoIP, Second Edition offers thoroughly expanded coverage of today's rampant threats alongside ready-to deploy countermeasures. Find out how to block TDoS, toll fraud, voice SPAM, voice social engineering and phishing, eavesdropping, and man-in-the-middle exploits. This comprehensive guide features all-new chapters, case studies, and examples. See how hackers target vulnerable UC devices and entire networks Defend against TDoS, toll fraud, and service abuse Block calling number hacks and calling number spoofing Thwart voice social engineering and phishing exploits Employ voice spam mitigation products and filters Fortify Cisco Unified Communications Manager Use encryption to prevent eavesdropping and MITM attacks Avoid injection of malicious audio, video, and media files Use fuzzers to test and buttress your VoIP applications Learn about emerging technologies such as Microsoft Lync, OTT UC, other forms of UC, and cloud and WebRTC

*The Perfect Reference for the Multitasked SysAdmin This is the perfect guide if network security tools is not your specialty. It is the perfect introduction to managing an infrastructure with freely available, and powerful, Open Source tools. Learn how to test and audit your systems using products like Snort and Wireshark and some of the add-ons available for both. In addition, learn handy techniques for network troubleshooting and protecting the perimeter. * Take Inventory See how taking an inventory of the devices on your network must be repeated regularly to ensure that the inventory remains accurate. * Use Nmap Learn how Nmap has more features and options than any other free scanner. * Implement Firewalls Use netfilter to perform firewall logic and see how SmoothWall can turn a PC into a dedicated firewall appliance that is completely configurable. * Perform Basic Hardening Put an IT security policy in place so that you have a concrete set of standards against which to measure. * Install and Configure Snort and Wireshark Explore the feature set of these powerful tools, as well as their pitfalls and other security considerations. * Explore Snort Add-Ons Use tools like Oinkmaster to automatically keep Snort signature files current. * Troubleshoot Network Problems See how to reporting on bandwidth usage and other metrics and to use data collection methods like sniffing, NetFlow, and SNMP. * Learn Defensive Monitoring Considerations See how to define your wireless network boundaries, and monitor to know if they're being exceeded and watch for unauthorized traffic on your network. Covers the top 10 most popular open source security tools including Snort,*

Nessus, Wireshark, Nmap, and Kismet Follows Syngress' proven "How to Cheat" pedagogy providing readers with everything they need and nothing they don't
The stories about phishing attacks against banks are so true-to-life, it's chilling." --Joel Dubin, CISSP, Microsoft MVP in Security Every day, hackers are devising new ways to break into your network. Do you have what it takes to stop them? Find out in Hacker's Challenge 3. Inside, top-tier security experts offer 20 brand-new, real-world network security incidents to test your computer forensics and response skills. All the latest hot-button topics are covered, including phishing and pharming scams, internal corporate hacking, Cisco IOS, wireless, iSCSI storage, VoIP, Windows, Mac OS X, and UNIX/Linux hacks, and much more. Each challenge includes a detailed explanation of the incident--how the break-in was detected, evidence and clues, technical background such as log files and network maps, and a series of questions for you to solve. In Part II, you'll get a detailed analysis of how the experts solved each incident. Exerpt from "Big Bait, Big Phish": The Challenge: "Could you find out what's going on with the gobi web server? Customer order e-mails aren't being sent out, and the thing's chugging under a big load..." Rob e-mailed the development team reminding them not to send marketing e-mails from the gobi web server.... "Customer service is worried about some issue with tons of disputed false orders...." Rob noticed a suspicious pattern with the "false" orders: they were all being delivered to the same P.O. box...He decided to investigate the access logs. An external JavaScript file being referenced seemed

especially strange, so he tested to see if he could access it himself.... The attacker was manipulating the link parameter of the login.pl application. Rob needed to see the server side script that generated the login.pl page to determine the purpose.... The Solution: After reviewing the log files included in the challenge, propose your assessment: What is the significance of the attacker's JavaScript file? What was an early clue that Rob missed that might have alerted him to something being amiss? What are some different ways the attacker could have delivered the payload? Who is this attack ultimately targeted against? Then, turn to the experts' answers to find out what really happened.

this book shows you how to locate and patch system vulnerabilities by looking at your Cisco network through the eyes of a hacker. it covers device-specific and network-centered attacks and defenses and offers real-world case studies.

Firewall Fundamentals

Hacking Exposed Unified Communications & VoIP Security Secrets & Solutions, Second Edition

Zero Trust Networks

Virtualization for Security

International Conferences, NeCOM 2011, WeST 2011, and WiMON 2011, Chennai, India, July 15-17, 2011, Proceedings

Research on Internet security over the past few decades has

focused mainly on information assurance, issues of data confidentiality and integrity as explored through cryptograph algorithms, digital signature, authentication code, etc. Unlike other books on network information security, Network Infrastructure Security addresses the emerging concern with better detecting and preventing routers and other network devices from being attacked or compromised. Network Infrastructure Security bridges the gap between the study of the traffic flow of networks and the study of the actual network configuration. This book makes effective use of examples and figures to illustrate network infrastructure attacks from a theoretical point of view. The book includes conceptual examples that show how network attacks can be run, along with appropriate countermeasures and solutions.

This all new book covering the brand new Snort version 2.6 from members of the Snort developers team. This fully integrated book and Web toolkit covers everything from packet inspection to optimizing Snort for speed to using the most advanced features of Snort to defend even the largest and most congested enterprise networks. Leading Snort experts Brian Caswell, Andrew

Baker, and Jay Beale analyze traffic from real attacks to demonstrate the best practices for implementing the most powerful Snort features. The book will begin with a discussion of packet inspection and the progression from intrusion detection to intrusion prevention. The authors provide examples of packet inspection methods including: protocol standards compliance, protocol anomaly detection, application control, and signature matching. In addition, application-level vulnerabilities including Binary Code in HTTP headers, HTTP/HTTPS Tunneling, URL Directory Traversal, Cross-Site Scripting, and SQL Injection will also be analyzed. Next, a brief chapter on installing and configuring Snort will highlight various methods for fine tuning your installation to optimize Snort performance including hardware/OS selection, finding and eliminating bottlenecks, and benchmarking and testing your deployment. A special chapter also details how to use Barnyard to improve the overall performance of Snort. Next, best practices will be presented allowing readers to enhance the performance of Snort for even the largest and most complex networks. The next chapter reveals the inner workings of Snort

by analyzing the source code. The next several chapters will detail how to write, modify, and fine-tune basic to advanced rules and pre-processors. Detailed analysis of real packet captures will be provided both in the book and the companion material. Several examples for optimizing output plugins will then be discussed including a comparison of MySQL and PostrgreSQL. Best practices for monitoring Snort sensors and analyzing intrusion data follow with examples of real world attacks using: ACID, BASE, SGUIL, SnortSnarf, Snort_stat.pl, Swatch, and more. The last part of the book contains several chapters on active response, intrusion prevention, and using Snort's most advanced capabilities for everything from forensics and incident handling to building and analyzing honey pots. This fully integrated book and Web toolkit covers everything all in one convenient package It is authored by members of the Snort team and it is packed full of their experience and expertise Includes full coverage of the brand new Snort version 2.6, packed full of all the latest information

The latest tactics for thwarting digital attacks "Our new reality is zero-day, APT, and state-sponsored attacks. Today,

more than ever, security professionals need to get into the hacker's mind, methods, and toolbox to successfully deter such relentless assaults. This edition brings readers abreast with the latest attack vectors and arms them for these continually evolving threats." --Brett Wahlin, CSO, Sony Network Entertainment "Stop taking punches--let's change the game; it's time for a paradigm shift in the way we secure our networks, and Hacking Exposed 7 is the playbook for bringing pain to our adversaries." --Shawn Henry, former Executive Assistant Director, FBI Bolster your system's security and defeat the tools and tactics of cyber-criminals with expert advice and defense strategies from the world-renowned Hacking Exposed team. Case studies expose the hacker's latest devious methods and illustrate field-tested remedies. Find out how to block infrastructure hacks, minimize advanced persistent threats, neutralize malicious code, secure web and database applications, and fortify UNIX networks. Hacking Exposed 7: Network Security Secrets & Solutions contains all-new visual maps and a comprehensive "countermeasures cookbook." Obstruct APTs and web-based meta-exploits Defend against UNIX-based root access and

buffer overflow hacks Block SQL injection, spear phishing, and embedded-code attacks Detect and terminate rootkits, Trojans, bots, worms, and malware Lock down remote access using smartcards and hardware tokens Protect 802.11 WLANs with multilayered encryption and gateways Plug holes in VoIP, social networking, cloud, and Web 2.0 services Learn about the latest iPhone and Android attacks and how to protect yourself Originally released in 1996, Netcat is a netowrking program designed to read and write data across both Transmission Control Protocol TCP and User Datagram Protocol (UDP) connections using the TCP/Internet Protocol (IP) protocol suite. Netcat is often referred to as a "Swiss Army knife" utility, and for good reason. Just like the multi-function usefullness of the venerable Swiss Army pocket knife, Netcat's functionality is helpful as both a standalone program and a backe-end tool in a wide range of applications. Some of the many uses of Netcat include port scanning, transferring files, grabbing banners, port listening and redirection, and more nefariously, a backdoor. This is the only book dedicated to comprehensive coverage of the tool's many features, and by the end of this

*book, you'll discover how Netcat can be one of the most valuable tools in your arsenal. * Get Up and Running with Netcat Simple yet powerful...Don't let the trouble-free installation and the easy command line belie the fact that Netcat is indeed a potent and powerful program. * Go PenTesting with Netcat Master Netcat's port scanning and service identification capabilities as well as obtaining Web server application information. Test and verify outbound firewall rules and avoid detection by using antivirus software and the Window Firewall. Also, create a backdoor using Netcat. * Conduct Enumeration and Scanning with Netcat, Nmap, and More! Netcat's not the only game in town...Learn the process of network of enumeration and scanning, and see how Netcat along with other tools such as Nmap and Scanrand can be used to thoroughly identify all of the assets on your network. * Banner Grabbing with Netcat Banner grabbing is a simple yet highly effective method of gathering information about a remote target, and can be performed with relative ease with the Netcat utility. * Explore the Dark Side of Netcat See the various ways Netcat has been used to provide malicious, unauthorized access to their targets. By walking through these*

*methods used to set up backdoor access and circumvent protection mechanisms through the use of Netcat, we can understand how malicious hackers obtain and maintain illegal access. Embrace the dark side of Netcat, so that you may do good deeds later. * Transfer Files Using Netcat The flexability and simple operation allows Netcat to fill a niche when it comes to moving a file or files in a quick and easy fashion. Encryption is provided via several different avenues including integrated support on some of the more modern Netcat variants, tunneling via third-party tools, or operating system integrated IPsec policies. * Troubleshoot Your Network with Netcat Examine remote systems using Netat's scanning ability. Test open ports to see if they really are active and see what protocls are on those ports. Communicate with different applications to determine what problems might exist, and gain insight into how to solve these problems. * Sniff Traffic within a System Use Netcat as a sniffer within a system to collect incoming and outgoing data. Set up Netcat to listen at ports higher than 1023 (the well-known ports), so you can use Netcat even as a normal user. * Comprehensive introduction to the #4 most popular open source*

*security tool available * Tips and tricks on the legitimate uses of Netcat * Detailed information on its nefarious purposes * Demystifies security issues surrounding Netcat * Case studies featuring dozens of ways to use Netcat in daily tasks*