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Network World 1999-09-20 For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Mobile Security and Privacy Man Ho Au 2016-09-14 Mobile Security and Privacy: Advances, Challenges and Future Research Directions provides the first truly holistic view of leading edge mobile security research from Dr. Man Ho Au and Dr. Raymond Choo—leading researchers in mobile security. Mobile devices and apps have become part of everyday life in both developed and developing countries. As with most evolving technologies, mobile devices and mobile apps can be used for criminal exploitation. Along with the increased use of mobile devices and apps to access and store sensitive, personally identifiable information (PII) has come an increasing need for the community to have a better understanding of the associated security and privacy risks. Drawing upon the expertise of world-renowned researchers and experts, this volume comprehensively discusses a range of mobile security and privacy topics from research, applied, and international perspectives, while aligning technical security implementations with the most recent developments in government, legal, and international environments. The book does not focus on vendor-specific solutions, instead providing a complete presentation of forward-looking research in all areas of mobile security. The book will enable practitioners to learn about upcoming trends, scientists to share new directions in research, and government and industry decision-makers to prepare for major strategic decisions regarding implementation of mobile technology security and privacy. In addition to the state-of-the-art research advances, this book also discusses prospective future research topics and open challenges. Presents the most current and leading edge research on mobile security and privacy, featuring a panel of top experts in the field Provides a strategic and international overview of the security issues surrounding mobile technologies Covers key technical topics and provides readers with a complete understanding of the most current research findings along with future research directions and challenges Enables practitioners to learn about upcoming trends, scientists to share new directions in research, and government and industry decision-makers to prepare for major strategic decisions regarding the implementation of mobile technology security and privacy initiatives

802.11 Wireless Networks: The Definitive Guide Matthew S. Gast 2005-04-25 As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the

cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Nokia Network Security Solutions Handbook Syngress 2002-12-03 The Nokia Network Security Solutions Handbook introduces readers to both the basics and the finer points of administering, configuring, and securing the Nokia IP-series hardware appliances. It introduces readers to the different hardware models and covers the features associated with each. Installation and setup are covered in detail, as well as installation and configuration of the Check Point firewall on the Nokia system. Readers will learn basic system administration, security, and monitoring before moving into advanced system administration concepts, as well as learning how to use Nokia's command line interface. Routing configurations and the different protocols involved are covered in detail, finishing off with a comprehensive discussion of the High-availability configuration that is Nokia's strength. The appendices include coverage of the UNIX basics which lie at the heart of the IPSO operating system and a review of the other packages available for Nokia systems (such as Perl and Bash). The only book dedicated to coverage of the latest Nokia hardware and software offerings, from the SOHO appliances to the enterprise-class IP700 series, with an emphasis on administering and securing these systems. Long-term market potential. The operating system referenced will be Nokia IPSO 3.4.1, which has an interface that has been specifically tailored to make upgrading to newer versions of IPSO simple and intuitive. In addition, the underlying interface is UNIX based, which has been a constant for over 30 years. Up-to-the-Minute Web-based Support. Once they have absorbed the content of the book, readers can receive up-to-the minute links, white papers, and analysis for one year at solutions@syngress.com.

Management Services 1997

Hands-On Penetration Testing with Kali NetHunter Glen D. Singh 2019-02-28 Convert Android to a powerful pentesting platform. Key FeaturesGet up and running with Kali Linux NetHunter Connect your Android device and gain full control over Windows, OSX, or Linux devices Crack Wi-Fi passwords and gain access to devices connected over the same network collecting intellectual dataBook Description Kali NetHunter is a version of the popular and powerful Kali Linux pentesting platform, designed to be installed on mobile devices. Hands-On Penetration Testing with Kali NetHunter will teach you the components of NetHunter and how to install the software. You'll also learn about the different tools included and how to optimize and use a package, obtain desired results, perform tests, and make your environment more secure. Starting with an introduction to Kali NetHunter, you will delve into different phases of the pentesting process. This book will show you how to build your penetration testing

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environment and set up your lab. You will gain insight into gathering intellectual data, exploiting vulnerable areas, and gaining control over target systems. As you progress through the book, you will explore the NetHunter tools available for exploiting wired and wireless devices. You will work through new ways to deploy existing tools designed to reduce the chances of detection. In the concluding chapters, you will discover tips and best practices for integrating security hardening into your Android ecosystem. By the end of this book, you will have learned to successfully use a mobile penetration testing device based on Kali NetHunter and Android to accomplish the same tasks you would traditionally, but in a smaller and more mobile form factor. What you will learn

Choose and configure a hardware device to use Kali NetHunter
Use various tools during pentests
Understand NetHunter suite components
Discover tips to effectively use a compact mobile platform
Create your own Kali NetHunter-enabled device and configure it for optimal results
Learn to scan and gather information from a target
Explore hardware adapters for testing and auditing wireless networks and Bluetooth devices

Who this book is for
Hands-On Penetration Testing with Kali NetHunter is for pentesters, ethical hackers, and security professionals who want to learn to use Kali NetHunter for complete mobile penetration testing and are interested in venturing into the mobile domain. Some prior understanding of networking assessment and Kali Linux will be helpful.

Cloud Computing Brian J.S. Chee 2010-04-07 Modern computing is no longer about devices but is all about providing services, a natural progression that both consumers and enterprises are eager to embrace. As it can deliver those services, efficiently and with quality, at compelling price levels, cloud computing is with us to stay. Ubiquitously and quite definitively, cloud computing is answering the demand for sophisticated, flexible services

Cloud Computing: Technologies and Strategies of the Ubiquitous Data Center looks at cloud computing from an IT manager's perspective. It answers basic as well as strategic questions from both a business and a technical perspective so that you can confidently engage both IT and financial assets in making your organization techno-savvy, efficient, and competitive. Any answers about the future of computing are definitely in the cloud

The first section of the book offers up a history of the computing roots that have evolved into cloud computing. It looks at how IT has been traditionally serving needs and how cloud computing improves and expands on these services, so you can strategize about how a cloud might provide solutions to specific IT questions or answer business needs. Next, the book shows how to begin the process of determining which organizational needs would best be served and improved by cloud computing. Presenting specific cases as examples, the book walks you through issues that your organization might likely encounter. Written clearly and succinctly, it --

Introduces you to the concepts behind different types of clouds, including those used for storage, those that improve processor and application delivery, and those that mix any and all of these services
Covers typical concerns you will hear with regard to such issues as security, application integration, and structural limitations
Looks at the future of the cloud, from developments on the horizon to those still in the planning stage

By the book's conclusion, you will have a solid basis on which to initiate strategic discussions about deploying clouds in your organization. You will understand how cloud computing can affordably solve real problems. You will know which strategies to use and you will learn of the pitfalls to avoid when taking your data center to the clouds. Throughout this book are the answers you need to the many questions from the most basic to the more advanced surrounding cloud computing and its place in your enterprise. What exactly is cloud computing? How are clouds different than virtualization? Should my organization use a cloud (or multiple clouds)? Can clouds and virtualization play significant roles in my organization at the same time? Covering the basics of virtualization and clusters and the more advanced strategic considerations of security and return on investment, this book will be your guide to IT's present and future in the cloud, a resource that you will continually turn to. Coming soon! For more information, *Professional Cloud Computing*, at www.professionalcloudcomputing.com, will help you find information to delve more deeply into the discussion in any of a number of directions.

The Telecommunications Handbook Jyrki T. J. Penttinen 2015-01-13 THE TELECOMMUNICATIONS HANDBOOK THE TELECOMMUNICATIONS HANDBOOK ENGINEERING GUIDELINES FOR FIXED, MOBILE AND SATELLITE SYSTEMS Taking a practical approach, The Telecommunications Handbook examines the principles and details of all the major and modern telecommunications systems currently available to industry and to end-users. It gives essential information about usage, architectures, functioning, planning, construction, measurements and optimization. The structure of the book is modular, giving both overall descriptions of the architectures and functionality of typical use cases, as well as deeper and practical guidelines for telecom professionals. The focus of the book is on current and future networks, and the most up-to-date functionalities of each network are described in sufficient detail for deployment purposes. The contents include an introduction to each technology, its evolution path, feasibility and utilization, solution and network architecture, and technical functioning of the systems (signaling, coding, different modes for channel delivery and security of core and radio system). The planning of the core and radio networks (system-specific field test measurement guidelines, hands-on network planning advices and suggestions for parameter adjustments) and future systems are also described. With contributions from specialists in both industry and academia, the book bridges the gap between communications in the academic context and the practical knowledge and skills needed to work in the telecommunications industry.

Webmasters Guide To The Wireless Internet Syngress 2001-12-03 The wireless Web is a reality - don't get left behind! The wireless Web is not a future dream. It is here today. Already, more than 20 million people have access the Internet through PDAs, mobile phones, pagers and other wireless devices. What will people find on the Wireless Internet? This is the question that every Webmaster and Web developer is being challenged to answer. The Webmaster's Guide to the Wireless Internet provides the Wireless Webmaster with all of the tools necessary to build the next generation Internet. Packed with the essential information they need to design, develop, and secure robust, e-commerce enabled wireless Web sites. This book is written for advanced Webmasters who are experienced with conventional Web site design and are now faced with the challenge of creating sites that fit on the display of a Web enabled phone or PDA. The rapid expansion of wireless devices presents a huge challenge for Webmasters - this book addresses that need for reliable information There are lots of books for wireless developers - this is the first designed specifically for Webmasters Looks at security issues in a Wireless environment

Alcatel-Lucent Scalable IP Networks Self-Study Guide Kent Hundley 2018-04-03 By offering the new Service Routing Certification Program, Alcatel-Lucent is extending their reach and knowledge to networking professionals with a comprehensive demonstration of how to build smart, scalable networks. Serving as a course in a book from Alcatel-Lucent—the world leader in designing and developing scalable systems—this resource pinpoints the pitfalls to avoid when building scalable networks, examines the most successful techniques available for engineers who are building and operating IP networks, and provides overviews of the Internet, IP routing and the IP layer, and the practice of opening the shortest path first.

CCSA NG: Check Point Certified Security Administrator Study Guide Justin Menga 2003-02-13 Here's the book you need to prepare for Check Point's VPN-1/FireWall-1 Management I NG exam, #156-210. Written by a Check Point security expert who knows exactly what it takes to pass the test, this study guide provides: * Assessment testing to focus and direct your studies * In-depth coverage of official exam objectives * Hundreds of challenging review questions, in the book and on the CD Authoritative coverage of all exam objectives, including: * Defining, administering, and troubleshooting an active security policy * Optimizing VPN-1/FireWall-1 performance * Creating network objects and groups * Performing basic log management operations * Configuring anti-spoofing on the firewall * Setting up

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user, client, and session authentication in a VPN-1/FireWall-1 environment * Configuring and setting up network address translation * Backing up critical VPN-1/FireWall-1 information * Uninstalling VPN-1/FireWall-1

Check Point NGX R65 Security Administration Ralph Bonnell 2011-08-31 Check Point NGX R65 is the next major release of Check Point's flagship firewall software product, which has over 750,000 registered users. Check Point's NGX is the underlying security software platform for all of the company's enterprise firewall, VPN and management solutions. It enables enterprises of all sizes to reduce the cost and complexity of security management and ensure that their security systems can be easily extended to adapt to new and emerging threats. This title is a continuation of Syngress' best-selling references on Check Point's market leading Firewall and VPN products. * First book to market covering Check Point's new, flagship NGX R65 Firewall/VPN. * Provides bonus coverage for Check Point's upcoming NGX R65 Certification exams. * Companion Web site offers customized scripts for managing log files.

PC Magazine 2000

Check Point Next Generation with Application Intelligence Security Administration Syngress 2004-01-26 Check Point Next Generation with Application Intelligence Security Administration focuses on Check Point NG FP 4. FP 4, offers security professionals an astounding array of products that upgrade and enhance the security and communication features of Check Point NG. Like Check Point NG Security Administration, this book provides readers with the perfect balance of the theories and concepts behind internet security, and the practical applications of Check Point NG FP 4. Readers can learn how to use all of these products to create a secure network with virtual private networking features. Security professionals will buy, read, and keep this book because it will cover all features of Check Point NG FP 4 like no other book will. Covers all products, upgrades, and enhancements contained in FP 4 including: SMART, SecurePlatform, SecureXL, ClusterXL, and Performance Pack Covers all objectives on Check Point's CCSA exam, and readers will be able to download a free exam simulator from syngress.com Check Point continues to dominate the Firewall space owning over 65% of the worldwide Firewall market. Syngress' book on the first version of Check Point NG continues to be the market leading Check Point book

Risk Management Solutions for Sarbanes-Oxley Section 404 IT Compliance John S. Quarterman 2006-04-10 Examines how risk management security technologies must prevent virus and computer attacks, as well as providing insurance and processes for natural disasters such as fire, floods, tsunamis, terrorist attacks Addresses four main topics: the risk (severity, extent, origins, complications, etc.), current strategies, new strategies and their application to market verticals, and specifics for each vertical business (banks, financial institutions, large and small enterprises) A companion book to Manager's Guide to the Sarbanes-Oxley Act (0-471-56975-5) and How to Comply with Sarbanes-Oxley Section 404 (0-471-65366-7)

From GSM to LTE-Advanced Martin Sauter 2014-06-23 This revised edition of Communication Systems from GSM to LTE: An Introduction to Mobile Networks and Mobile Broadband Second Edition (Wiley 2010) contains not only a technical description of the different wireless systems available today, but also explains the rationale behind the different mechanisms and implementations; not only the 'how' but also the 'why'. In this way, the advantages and also limitations of each technology become apparent. Offering a solid introduction to major global wireless standards and comparisons of the different wireless technologies and their applications, this edition has been updated to provide the latest directions and activities in 3GPP standardization up to Release 12, and importantly includes a new chapter on Voice

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over LTE (VoLTE). There are new sections on Building Blocks of a Voice Centric Device, Building Blocks of a Smart Phone, Fast Dormancy, IMS and High-Speed Downlink Packet Access, and Wi-Fi-Protected Setup. Other sections have been considerably updated in places reflecting the current state of the technology. • Describes the different systems based on the standards, their practical implementation and design assumptions, and the performance and capacity of each system in practice is analyzed and explained • Questions at the end of each chapter and answers on the accompanying website make this book ideal for self-study or as course material

Mobile VPN Alex Shneyderman 2003-01-21 Expected to serve up to 40 million mobile workers by 2004, Mobile VPNs provide professionals and consumers with secure data access to private networks while on the road An in-depth tutorial on the technology that wireless carriers will require to offer competitive IP-based services Teaches how to implement Mobile VPNs within GPRS, CDMA2000, UMTS and WLAN environments Examines technologies like IP tunneling, security, roaming, addressing, AAA brokerage, and the latest standards as applied in wireless data systems frameworks

Wi-Foo Andrew A. Vladimirov 2004 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.

The Essential Guide to Telecommunications Annabel Z. Dodd 2019-03-19 "Annabel Dodd has cogently untangled the wires and switches and technobabble of the telecommunications revolution and explained how the introduction of the word 'digital' into our legislative and regulatory lexicon will affect consumers, companies and society into the next millennium." – United States Senator Edward J. Markey of Massachusetts; Member, U.S. Senate Subcommittee on Communications, Technology, Innovation, and the Internet "Annabel Dodd has a unique knack for explaining complex technologies in understandable ways. This latest revision of her book covers the rapid changes in the fields of broadband, cellular, and streaming technologies; newly developing 5G networks; and the constant changes happening in both wired and wireless networks. This book is a must-read for anyone who wants to understand the rapidly evolving world of telecommunications in the 21st century!" – David Mash, Retired Senior Vice President for Innovation, Strategy, and Technology, Berklee College of Music Completely updated for current trends and technologies, *The Essential Guide to Telecommunications*, Sixth Edition, is the world's top-selling, accessible guide to the fast-changing global telecommunications industry. Writing in easy-to-understand language, Dodd demystifies today's most significant technologies, standards, architectures, and trends. She introduces leading providers worldwide, explains where they fit in the marketplace, and reveals their key strategies. New topics covered in this edition include: LTE Advanced and 5G wireless, modern security threats and countermeasures, emerging applications, and breakthrough techniques for building

more scalable, manageable networks. Gain a practical understanding of modern cellular, Wi-Fi, Internet, cloud, and carrier technologies Discover how key technical, business, and regulatory innovations are changing the industry See how streaming video, social media, cloud computing, smartphones, and the Internet of Things are transforming networks Explore growing concerns about security and privacy, and review modern strategies for detecting and mitigating network breaches Learn how Software Defined Networks (SDN) and Network Function Virtualization (NFV) add intelligence to networks, enabling automation, flexible configurations, and advanced networks Preview cutting-edge, telecom-enabled applications and gear—from mobile payments to drones Whether you're an aspiring network engineer looking for a broad understanding of the industry, or a salesperson, marketer, investor, or customer, this indispensable guide provides everything you need to know about telecommunications right now. This new edition is ideal for both self-study and classroom instruction. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

CheckPoint NG VPN 1/Firewall 1 Syngress 2003-05-11 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. Check Point recently announced a ground-breaking user interface that meets the industry's next generation Internet security requirements, including simplified security management for increasingly complex environments. Built upon Check Point's Secure Virtual Network (SVN) architecture, the Next Generation User Interface revolutionizes the way security administrators define and manage enterprise security by further integrating management functions into a security dashboard and creating a visual picture of security operations. The Next Generation User Interface delivers unparalleled ease-of-use, improved security and true end-to-end security management. Check Point's revenues have more than doubled in each of the last two years, while capturing over 50% of the VPN market and over 40% of the firewall market according to IDC Research. The explosive growth of the company is further evidenced by over 29,000 IT professionals becoming Check Point Certified so far. This book will be the complimentary to Syngress' best-selling Check Point Next Generation Security Administration, which was a foundation-level guide to installing and configuring Check Point NG. This book will assume that readers have already mastered the basic functions of the product and they now want to master the more advanced security and VPN features of the product. Written by a team of Check Point Certified Instructors (the most prestigious Check Point certification) this book will provide readers with a complete reference book to Check Point NG and advanced case studies that illustrate the most difficult to implement configurations. Although not a Study Guide, this book will cover all of the objectives on Check Point's CCSE Exam. · The reader will learn to design and configure a Virtual Private Network (VPN). · The reader will learn to configure Check Point NG for High Availability (HA), which is the ability of a system to perform its function continuously (without interruption) for a significantly longer period of time than the reliabilities of its individual components would suggest. · The reader will learn to use SecureUpdate, which allows them to perform simultaneous, secure, enterprise-wide software updates.

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

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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

Nokia Firewall, VPN, and IPSO Configuration Guide Andrew Hay 2009-02-07 "While Nokia is perhaps most recognized for its leadership in the mobile phone market, they have successfully demonstrated their knowledge of the Internet security appliance market and its customers requirements." --Chris Christiansen, Vice President, Internet Infrastructure and Security Software, IDC. Syngress has a long history of publishing market-leading books for system administrators and security professionals on commercial security products, particularly Firewall and Virtual Private Network (VPN) appliances from Cisco, Check Point, Juniper, SonicWall, and Nokia (see related titles for sales histories). The Nokia Firewall, VPN, and IPSO Configuration Guide will be the only book on the market covering the all-new Nokia Firewall/VPN Appliance suite. Nokia Firewall/VPN appliances are designed to protect and extend the network perimeter. According to IDC research, Nokia Firewall/VPN Appliances hold the #3 worldwide market-share position in this space behind Cisco and Juniper/NetScreen. IDC estimated the total Firewall/VPN market at \$6 billion in 2007, and Nokia owns 6.6% of this market. Nokia's primary customers for security appliances are Mid-size to Large enterprises who need site-to-site connectivity and Mid-size to Large enterprises who need remote access connectivity through enterprise-deployed mobile devices. Nokia appliances for this market are priced from \$1,000 for the simplest devices (Nokia IP60) up to \$60,000 for large enterprise- and service-provider class devices (like the Nokia IP2450 released in Q4 2007). While the feature set of such a broad product range obviously varies greatly, all of the appliances run on the same operating system: Nokia IPSO (IPSO refers to Ipsilon Networks, a company specializing in IP switching acquired by Nokia in 1997. The definition of the acronym has little to no meaning for customers.) As a result of this common operating system across the product line, The Nokia Firewall, VPN, and IPSO Configuration Guide will be an essential reference to users of any of these products. Users manage the Nokia IPSO (which is a Linux variant, specifically designed for these appliances) through a Web interface called Nokia Network Voyager or via a powerful Command Line Interface (CLI). Coverage within the book becomes increasingly complex relative to the product line. The Nokia Firewall, VPN, and IPSO Configuration Guide and companion Web site will provide seasoned network administrators and security professionals with the in-depth coverage and step-by-step walkthroughs they require to properly secure their network perimeters and ensure safe connectivity for remote users. The book contains special chapters devoted to mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface. In addition, the companion Web site offers downloadable video walkthroughs on various installation and troubleshooting tips from the authors. * Only book on the market covering Nokia Firewall/VPN appliances, which hold 6.6% of a \$6 billion market * Companion website offers video walkthroughs on various installation and troubleshooting tips from the authors * Special chapters detail mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface

Multimedia Communications Jerry D. Gibson 2000-10-31 The rapid advances and industry demands for networked delivery of information and pictures through computer networks and cable television has created a need for new techniques and standards for the packaging and delivery of digital information. Multimedia Communications presents the latest information from industry and academic experts on all standards, methods and protocols. Internet protocols for wireless communications, transcoding of

Internet multimedia for universal access, ATM and ISDN chapters, videoconferencing standards, speech and audio coding standards, multi-casting and image compression techniques are included. Latest Internet protocols for wireless communications Transcoding of Internet multimedia for universal access ATM and ISDN chapters Videoconferencing standards Speech and audio coding standards Multi-casting Latest image compression techniques

End-to-End Quality of Service over Cellular Networks Gerardo Gomez 2005-05-27 This comprehensive resource contains a detailed methodology for assessing, analyzing and optimizing End-to-End Service Performance under different cellular technologies (GPRS, EDGE, WCDMA and CDMA2000). It includes guidelines for analyzing numerous different services, including FTP, WEB streaming and POC, including examples of analysis and troubleshooting from a user point-of-view. Focuses on the end-user perspective, with a detailed analysis of the main sources of service performance degradation and a comprehensive description of mobile data services Includes a detailed presentation of generic key performance indicators (KPIs) which can be re-defined to comply with each particular network Provides service performance benchmarking for different technologies from real networks Explores a new approach to service management known as customer experience management, including the reasons why it is overcoming traditional service management and its impact on revenues and customer satisfaction Illustrates all points throughout using real world examples gleaned from cutting-edge research This book draws together findings from authoritative sources that will appeal to cellular network operators and vendors. The theory-based, practical approach will be of interest to postgraduate students and telecommunication and consulting companies working in the field of cellular technologies.

Check Point VPN-1/FireWall-1 NG Administration Inti Shah 2003 This is a complete guide to administering Check Point's latest releases of Firewall-1/VPN-1.

IBM Data Center Networking: Planning for Virtualization and Cloud Computing Michele Girola 2011-05-09 The enterprise data center has evolved dramatically in recent years. It has moved from a model that placed multiple data centers closer to users to a more centralized dynamic model. The factors influencing this evolution are varied but can mostly be attributed to regulatory, service level improvement, cost savings, and manageability. Multiple legal issues regarding the security of data housed in the data center have placed security requirements at the forefront of data center architecture. As the cost to operate data centers has increased, architectures have moved towards consolidation of servers and applications in order to better utilize assets and reduce "server sprawl." The more diverse and distributed the data center environment becomes, the more manageability becomes an issue. These factors have led to a trend of data center consolidation and resources on demand using technologies such as virtualization, higher WAN bandwidth technologies, and newer management technologies. The intended audience of this book is network architects and network administrators. In this IBM® Redbooks® publication we discuss the following topics: The current state of the data center network The business drivers making the case for change The unique capabilities and network requirements of system platforms The impact of server and storage consolidation on the data center network The functional overview of the main data center network virtualization and consolidation technologies The new data center network design landscape

Designing and Building Enterprise DMZs Hal Flynn 2006-10-09 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

Complete Book of Remote Access Victor Kasacavage 2002-12-10 As technology advances, the demand and necessity for seamless connectivity and stable access to servers and networks is increasing exponentially. Unfortunately the few books out there on remote access focus on Cisco certification preparation, one aspect of network connectivity or security. This text covers both-the enabling technology and how to ma

Juniper Networks Warrior Peter Southwick 2012-12-10 Follows teams of Juniper Networks engineers as they solve specific client problems related to new and emerging network platform architectures.

Network Functions Virtualization (NFV) with a Touch of SDN Rajendra Chayapathi 2016-11-14 Network Functions Virtualization (NFV) will drive dramatic cost reductions while also accelerating service delivery. Using NFV with SDN, network owners can provision new functions rapidly on demand, improve scalability, and leverage microservices. Benefits like these will make NFV indispensable for service providers, mobile operators, telcos, and enterprises alike. Network Functions Virtualization (NFV) with a Touch of SDN is the first practical introduction to NFV's fundamental concepts, techniques, and use cases. Written for wide audiences of network engineers, architects, planners, and operators, it assumes no previous knowledge of NFV architecture, deployment, or management. The authors first explain how virtualization, VMs, containers, and related technologies establish the foundation for the NFV transformation. Next, they show how these concepts and technologies can be applied to virtualize network functions in the cloud, data centers, routing, security, and the mobile packet core. You'll discover new tools and techniques for managing and orchestrating virtualized network devices, and gain new clarity on how SDN and NFV interact and interrelate. By the time you're done, you'll be ready to assess vendor claims, evaluate architectures, and plan NFV's role in your own networks. Understand NFV's key benefits and market drivers Review how virtualization makes NFV possible Consider key issues associated with NFV network design and deployment Integrate NFV into existing network designs Orchestrate, build, and deploy NFV networks and cloud services Maximize operational efficiency by building more programmable, automated networks Understand how NFV and SDN work together Address security, programmability, performance, and service function chaining Preview evolving concepts that will shape NFV's future

Violent Python TJ O'Connor 2012-12-28 Violent Python shows you how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker's tools, this book will teach you to forge your own weapons using the Python programming language. This book demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts. It also shows how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how to data-mine popular social media websites and evade modern anti-virus. Demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts Write code to intercept and analyze network traffic using Python. Craft and spoof wireless frames to attack wireless and Bluetooth devices Data-mine popular social media

websites and evade modern anti-virus

97 Things Every Programmer Should Know Kevlin Henney 2010-02-05 Tap into the wisdom of experts to learn what every programmer should know, no matter what language you use. With the 97 short and extremely useful tips for programmers in this book, you'll expand your skills by adopting new approaches to old problems, learning appropriate best practices, and honing your craft through sound advice. With contributions from some of the most experienced and respected practitioners in the industry--including Michael Feathers, Pete Goodliffe, Diomidis Spinellis, Cay Horstmann, Verity Stob, and many more--this book contains practical knowledge and principles that you can apply to all kinds of projects. A few of the 97 things you should know: "Code in the Language of the Domain" by Dan North "Write Tests for People" by Gerard Meszaros "Convenience Is Not an -ility" by Gregor Hohpe "Know Your IDE" by Heinz Kabutz "A Message to the Future" by Linda Rising "The Boy Scout Rule" by Robert C. Martin (Uncle Bob) "Beware the Share" by Udi Dahan

System z on the Go: Accessing z/OS from Smartphones Alex Louwe Kooijmans 2010-06-10 In this IBM® Redbooks® publication we demonstrate that it is possible to combine the traditional strengths of the mainframe to manage large volumes of data and run business transactions with the Web 2.0 paradigm. We can get simpler interfaces, better integration among different services, lightweight protocols for communication, and much more, together with the availability, security, and reliability of mainframe data. And we will show how mainframe data can be accessed by smartphones such as Android or iPhone. But we can do more to demonstrate how flexible the mainframe platform is. Through the use of pervasive devices it is possible to add new possibilities to mainframe applications, extending System z® capabilities. We can receive notifications in real time, for example, of successful or unsuccessful termination of a TWS job stream, or we can immediately get alerts about abends that occurred in a critical application. This book is another demonstration that the mainframe is alive and kicking and can and should play a key role in modern application architectures.

Protected Internet, Intranet & Virtual Private Networks Alexander Moldovyan 2003 A systematic guide to the technologies, standards, protocols, and means used for the transparent security of information interaction in computer networks, this resource enables an independent understanding of the various methods of providing computer and information security when using modern network technology. The basic features of both Web technologies and the distributed information processing technologies connected with them that are based on mobile programs are described, as are the network technologies that influence security. Also covered are the methods of attacking computer networks and practical guidelines for protecting a virtual network.

UMTS Security Valtteri Niemi 2006-02-08 Can you afford not to read this book?..... The Universal Mobile Telecommunication System (UMTS) offers a consistent set of services to mobile computer and phone users and numerous different radio access technologies will co-exist within the UMTS system's core network - security is, therefore, of the utmost importance. UMTS Security focuses on the standardized security features of UMTS and brings together material previously only available in specifications, design documents and presentations in one concise form. In addition, this unique volume also covers non-standard implementation specific features that allow differentiation between operators and manufacturers. Describes the security solutions specified for UMTS Provides a comprehensive presentation of the UMTS security specifications and explains the role of the security functionality in the UMTS system Presents the UMTS security system in its totality from the theoretical background through to the design process Discusses the new security features included in Release 4 and 5 By providing a unified treatment of the security services provided by the UMTS system, this volume will provide

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invaluable information and have instant appeal to planners, constructors and implementers of UMTS networks, and developers and analysts of application oriented security services that make use of UMTS communication networks. It will also be of considerable interest to postgraduates and researchers of modern communication security technology.

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 CheckPoint 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!

PC Mag 2000-01-04 PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Commerce Business Daily 2000-10

Hackers Beware Eric Cole 2002 Explains how and why hackers break into computers, steal information, and deny services to machines' legitimate users, and discusses strategies and tools used by hackers and how to defend against them.

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