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Software Defined Networks - Paul Goransson 2016-10-25

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

Designing and Deploying 802.11 Wireless Networks - Jim Geier 2015-04-29

Designing and Deploying 802.11 Wireless Networks Second Edition A Practical Guide to Implementing 802.11n and 802.11ac Wireless Networks For Enterprise-Based Applications Plan, deploy, and operate high-performance 802.11ac and 802.11n wireless networks The new 802.11ac standard enables WLANs to deliver significantly higher performance. Network equipment manufacturers have refocused on 802.11ac- and 802.11n-compliant solutions, rapidly moving older versions of 802.11 toward “legacy” status. Now, there’s a complete guide to planning, designing, installing, testing, and supporting 802.11ac and 802.11n wireless networks in any environment, for virtually any application. Jim Geier offers practical methods, tips, and recommendations that draw on his decades of experience deploying wireless solutions and shaping wireless standards. He carefully introduces 802.11ac’s fundamentally different design, site survey, implementation, and network configuration techniques, helping you maximize performance and avoid pitfalls. Geier organizes each phase of WLAN deployment into clearly defined steps, making the entire planning and deployment process easy to understand and execute. He illuminates key concepts and methods through realistic case studies based on current Cisco products, while offering tips and techniques you can use with any vendor’s equipment. To build your skills with key tasks, you’ll find several hands-on exercises relying on free or inexpensive tools. Whether you’re deploying an entirely new wireless network or migrating from older equipment, this guide contains all the expert knowledge you’ll need to succeed. Jim Geier has 30 years of experience planning, designing, analyzing and implementing communications, wireless, and mobile systems. Geier is founder and Principal Consultant of Wireless-Nets, Ltd., providing wireless analysis and design services to product manufacturers. He is also president, CEO, and co-founder of Health Grade Networks, providing wireless network solutions to hospitals, airports, and manufacturing facilities. His books include the first edition of Designing and Deploying 802.11n Wireless Networks (Cisco Press); as well as Implementing 802.1X Security Solutions and Wireless Networking Handbook. Geier has

been active in the IEEE 802.11 Working Group and Wi-Fi Alliance; has chaired the IEEE Computer Society (Dayton Section) and various conferences; and served as expert witness in patent litigation related to wireless and cellular technologies. Review key 802.11 concepts, applications, markets, and technologies Compare ad hoc, mesh, and infrastructure WLANs and their components Consider the impact of radio signal interference, security vulnerabilities, multipath propagation, roaming, and battery limitations Thoroughly understand today’s 802.11 standards in the context of actual network deployment and support Plan your deployment: scoping, staffing, schedules, budgets, risks, feasibility analysis, and requirements Architect access networks and distribution system for maximum reliability, manageability, and performance Make the right tradeoffs and decisions to optimize range, performance, and roaming Secure WLANs via encryption, authentication, rogue AP detection, RF shielding, and policies Master design and site survey tools and methods for planning 802.11ac networks and migrations Efficiently install and test any 802.11ac or 802.11n wireless network Establish specialized support for wireless networks, including help desk operations Systematically troubleshoot connectivity, performance, and roaming issues Design efficient mesh networks and city-wide deployments

802.11ac: A Survival Guide - Matthew S. Gast 2013-07-23

The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections

Wireless Network Administration A Beginner's Guide - Wale Soyinka 2010-08-05

Learn the essentials of wireless networking Configure, manage, and secure wireless networks using the step-by-step details in this practical resource. Wireless Network Administration: A Beginner's Guide shows you how to work with the latest wireless networking standards, including the 802.11x family, on Windows, Mac, and Linux platforms. The book covers wireless network planning, design, hardware, services, protocols, device configuration, security, troubleshooting, and more. This hands-on guide will get you started administering wireless networks in no time. Get details on regulatory and technical organizations Learn about different wireless standards and the basics of RF technologies Understand and determine client-side hardware requirements, including chipsets and various wireless interfaces Select infrastructure-side wireless hardware, such as antennas, wireless access points (WAPs), residential gateways, switches/controllers, routers, and bridges Learn about WLANs, WWANs, WMANs, and WPANs Work with

standard wireless network protocols--TCP/IP (IPv4 and IPv6) Understand DNS, DHCP, and other supporting infrastructure services Secure wireless networks using cryptography Configure infrastructure devices, including a wireless access point device and wireless network switches and controllers Configure and manage wireless Microsoft Windows, Mac OS X, and Linux clients Plan, design, survey, deploy, and troubleshoot your wireless network

CWSP Certified Wireless Security Professional Official Study Guide - David D. Coleman 2011-04-12

Sybex is now the official publisher for Certified Wireless Network Professional, the certifying vendor for the CWSP program. This guide covers all exam objectives, including WLAN discovery techniques, intrusion and attack techniques, 802.11 protocol analysis. Wireless intrusion-prevention systems implementation, layer 2 and 3 VPNs used over 802.11 networks, and managed endpoint security systems. It also covers enterprise/SMB/SOHO/Public-Network Security design models and security solution implementation, building robust security networks, wireless LAN management systems, and much more.

Public Library Statistics - United States. Office of Education 1965

Excess Facilities .: - United States. Government Accountability Office 2011

Wired/Wireless Internet Communications - Kaushik Roy Chowdhury 2018-12-28

This book constitutes the proceedings of the 16th IFIP International Conference on Wired/Wireless Internet Communications, WWIC 2018, held in Boston, MA, USA, in June 2018. The 26 regular papers presented in this volume were carefully reviewed and selected from 42 submissions. They were organized in topical sections named: IoT and sensor networks; learning-based networking; network deployment; network security; aerial networks; and vehicular and content delivery networks.

Windows 10 Inside Out (includes Current Book Service) - Ed Bott 2016-11-22

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Conquer today's Windows 10—from the inside out! Dive into Windows 10—and really put your Windows expertise to work. Focusing on the most powerful and innovative features of Windows 10, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all fully reflecting the major Windows 10 Anniversary Update. From new Cortana and Microsoft Edge enhancements to the latest security and virtualization features, you'll discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Install, configure, and personalize the newest versions of Windows 10 Understand Microsoft's revamped activation and upgrade processes Discover major Microsoft Edge enhancements, including new support for extensions Use today's improved Cortana services to perform tasks, set reminders, and retrieve information Make the most of the improved ink, voice, touch, and gesture support in Windows 10 Help secure Windows 10 in business with Windows Hello and Azure AD Deploy, use, and manage new Universal Windows Platform (UWP) apps Take advantage of new entertainment options, including Groove Music Pass subscriptions and connections to your Xbox One console Manage files in the cloud with Microsoft OneDrive and OneDrive for Business Use the improved Windows 10 Mail and Calendar apps and the new Skype app Fine-tune performance and troubleshoot crashes Master high-efficiency tools for managing Windows 10 in the enterprise Leverage advanced Hyper-V features, including Secure Boot, TPMs, nested virtualization, and containers In addition, this book is part of the Current Book Service from Microsoft Press. Books in this program will receive periodic updates to address significant software changes for 12 to 18 months following the original publication date via a free Web Edition. Learn more at <https://www.microsoftpressstore.com/cbs>.

101 Shots - Kim Haasarud 2014-03-25

A gamut of shot recipes, from traditional shooters to grown-up shots made with market-fresh ingredients—from the author of *101 Tropical Drinks*. Both classic and sophisticated shot recipes like you've never seen before. Forget what you think you know about shots from your college years. In *101 Shots*, cocktail aficionado Kim Haasarud elevates the lowly shot to heights never seen before in this collection of recipes just as she's done with her other books, including *101 Martinis* and *101 Margaritas*. For example, the Peach Fuzz Shooter, the Mini Bananas Foster, and the Archangel are made with fresh fruit purees.

There are more traditional recipes as well, such as the Belfast Bomber made with Baileys and Irish whiskey dropped into a glass of Guinness, not to mention spicy offerings like the Yellow Sun Sangrita made with smoked paprika and Tabasco, and even savory ones like the Caprese Shooter made with tomatoes, basil, salt, pepper—and vodka, of course. What's perhaps best about shot recipes is that there is almost no occasion when they're not fun to serve and enjoy, from the Johnny Appleseed, a perfect drink for fall made with fresh cider, to the Red, White, and Blue, a layered concoction ideal for Independence Day parties. With gelée shot recipes, too, this may be the last party cocktail book you'll ever need.

Wireless Network Deployments - Rajamani Ganesh 2000-06-30

This work concerns deployment of digital wireless networks. It first includes an overview of systems design and engineering integration. It then addresses deployment of CDMA networks, based on IS-95 standards. It also deals with the deployment of TDMA-based networks and wireless data networks.

Digital Simulations for Improving Education: Learning Through Artificial Teaching Environments - Gibson, David 2009-04-30

Contains research and current trends used in digital simulations of teaching, surveying the uses of games and simulations in teacher education.

Computer Networking - Michael White 2018-09-23

Technology has gradually transitioned from wired to wireless over the years with tons of benefits. From the Internet of Things to wireless communication, we are all witnesses of the huge benefits of wireless technologies. This book covers various subjects and highlights both the benefits and challenges of wireless technologies. Topics: * Wireless Communication Technologies * Mobile Communication Systems * Wireless technology challenges * Network Protocols * Wireless Technology Security * Features of Secure Wireless Network Security * Security Issues in Wireless Networks * Wireless Network Computer Architecture * Cellular Wireless Networks * Communication Systems and Networks * Cisco Systems * Wireless Network Applications * Wired Network Components * Wireless Network Components * Network Security

The Internet Police: How Crime Went Online, and the Cops Followed - Nate Anderson 2013-08-19

A veteran reporter describes how authorities in Australia, Belgium, Ukraine and the United States combined forces to respond to a child pornography ring as well as how other criminal sting operations have been policed and patrolled online. 15,000 first printing.

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.

The Connected Educator - Sheryl Nussbaum-Beach 2011-11-14

Create a connected learning community through social media and rediscover the power of being a learner first. After uncovering the theories and research behind the significance of learning through collaboration with other educators, the authors show you how to take advantage of technology to improve your own

learning and ultimately the learning of your students.

Wireless and Mobile Device Security - Jim Doherty 2016

The world of wireless and mobile devices is evolving day-to-day, with many individuals relying solely on their wireless devices in the workplace and in the home. The growing use of mobile devices demands that organizations become more educated in securing this growing technology and determining how to best protect their assets. Written by an industry expert, *Wireless and Mobile Device Security* explores the evolution of wired networks to wireless networking and its impact on the corporate world. Using case studies and real-world events, it goes on to discuss risk assessments, threats, and vulnerabilities of wireless networks, as well as the security measures that should be put in place to mitigate breaches. The text closes with a look at the policies and procedures in place and a glimpse ahead at the future of wireless and mobile device security.

Red Hood - Elana K. Arnold 2020-02-25

A dark, engrossing, blood-drenched tale of the familiar threats to female power—and one girl’s journey to regain it. Five starred reviews greeted this powerful story from Elana K. Arnold, author of the Printz Honor winner *Damsel*. You are alone in the woods, seen only by the unblinking yellow moon. Your hands are empty. You are nearly naked. And the wolf is angry. Since her grandmother became her caretaker when she was four years old, Bisou Martel has lived a quiet life in a little house in Seattle. She’s kept mostly to herself. She’s been good. But then comes the night of homecoming, when she finds herself running for her life over roots and between trees, a fury of claws and teeth behind her. A wolf attacks. Bisou fights back. A new moon rises. And with it, questions. About the blood in Bisou’s past, and on her hands as she stumbles home. About broken boys and vicious wolves. About girls lost in the woods—frightened, but not alone.

CWIDP-401 - Tom Carpenter 2021-09

The CWIDP-401 study and reference guide from CWNP.

Wireless Communication Networks and Systems, Global Edition - Cory Beard 2016-01-05

For courses in wireless communication networks and systems A Comprehensive Overview of Wireless Communications *Wireless Communication Networks and Systems* covers all types of wireless communications, from satellite and cellular to local and personal area networks. Organised into four easily comprehensible, reader-friendly parts, it presents a clear and comprehensive overview of the field of wireless communications. For those who are new to the topic, the book explains basic principles and fundamental topics concerning the technology and architecture of the field. Numerous figures and tables help clarify discussions, and each chapter includes a list of keywords, review questions, homework problems, and suggestions for further reading. The book includes an extensive online glossary, a list of frequently used acronyms, and a reference list. A diverse set of projects and other student exercises enables instructors to use the book as a component in a varied learning experience, tailoring courses to meet their specific needs. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Mobile and Wireless Networks - Khaldoun Al Agha 2016-08-29

This book presents the state of the art in the field of mobile and wireless networks, and anticipates the arrival of new standards and architectures. It focuses on wireless networks, starting with small personal area networks and progressing onto the very large cells of wireless regional area networks, via local area networks dominated by WiFi technology, and finally metropolitan networks. After a description of the existing 2G and 3G standards, with LTE being the latest release, LTE-A is addressed, which is the first 4G release, and a first indication of 5G is provided as seen through the standardizing bodies. 4G technology is described in detail along with the different LTE extensions related to the massive arrival of femtocells, the increase to a 1 Gbps capacity, and relay techniques. 5G is also discussed in order to show what can be expected in the near future. The Internet of Things is explained in a specific chapter due to its omnipresence in the literature, ad hoc and mesh networks form another important chapter as they have

made a comeback after a long period of near hibernation, and the final chapter discusses a particularly recent topic: Mobile-Edge Computing (MEC) servers.

Security in Wireless Mesh Networks - Yan Zhang 2008-08-21

Wireless mesh networks (WMN) encompass a new area of technology set to play an important role in the next generation wireless mobile networks. WMN is characterized by dynamic self-organization, self-configuration, and self-healing to enable flexible integration, quick deployment, easy maintenance, low costs, high scalability, and reliable services.

Wi-Fi Enabled Healthcare - Ali Youssef 2014-02-19

Focusing on the recent proliferation of Wi-Fi in hospital systems, this book explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on years of consulting with hospitals in the US and abroad, and with first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture.

The Mobile Audience - Martin Rieser 2011

The convergence of mobile technologies and ubiquitous computing is creating a world where information-rich environments may be mapped directly onto urban topologies. This book tracks the history and genesis of locative and wearable media and the ground-breaking work of pioneer artists in the field. It examines changing concepts of space and place for a wide range of traditional disciplines ranging from Anthropology, Sociology, Fine Art and Architecture to Cultural and Media Studies, Fashion and Graphic design. Mobile and Pervasive media are beginning to proliferate in the landscape of computer mediated interaction in public space through the emergence of smartphone technologies such as the iPhone, cloud computing extended wifi services and the semantic web in cities. These dispersed forms of interaction raise a whole series of questions on the nature of narrative and communication, particularly in relation to an audience’s new modes of mobile participation and reception. These issues are explored through a series of focused essays by leading theorists, seminal case studies and practitioner interviews with artists at the cutting edge of these technologies, who are extending the potential of the medium to enhance and critique technological culture. By emphasizing the role of the audience in this nomadic environment, the collection traces the history and development of ‘ambulant’ artistic practice in this new domain, creating an essential handbook for those wishing to understand the dominant global technology of the 21st Century and its implications for Art, Culture and Audience.

Engine Essentials - MicroStrategy University 2013-09-01

The MicroStrategy Engine Essentials course explains the inner workings of the MicroStrategy Engine. In this course, you will study specific reporting scenarios and the MicroStrategy Engine’s techniques for composing the SQL queries that produce MicroStrategy reports. You will study concepts such as level metrics, transformation metrics, custom groups, and relationship filters from a SQL point of view. The course also reviews the most commonly used VLDB Properties.

Facsimile Products - United States. National Weather Service 1979

Automating vSphere with VMware vCenter Orchestrator - Cody Bunch 2012-02-27

Unleash the Power of vCenter Orchestrator to Automate Tasks and Improve Efficiency Today, VMware administrators are responsible for far more infrastructure, servers, and services than ever before. To succeed, they must take full advantage of opportunities to automate and orchestrate their vSphere environments. In *Automating vSphere with VMware vCenter Orchestrator*, three-time vExpert Cody Bunch shows how to utilize VMware vCenter Orchestrator (vCO) 4.2 to achieve far higher levels of operational efficiency and effectiveness. Bunch reveals what vCO can do, walks through each step of installation and configuration, explains how its “moving parts” work together, and thoroughly introduces both plug-ins and workflows. Building on this core knowledge, he presents several start-to-finish case studies showing how to use vCO to address real-world challenges ranging from provisioning to snapshots, cluster management to decommissioning. Whatever your VMware virtualization environment, this book will help you do more with

less, save time, eliminate errors, and improve both performance and reliability. Coverage includes Understanding how vCO fits into your environment and identifying your best opportunities to use it Choosing the right installation scenario and efficiently managing the vCO installation process Configuring vCO: services, passwords, networking, LDAP, databases, SSL, licensing, plug-ins, backup, and more Interacting with vCO through actions, packages, plug-ins, web views, resources, and workflows Automating manual tasks with vCO's extensive workflow library Creating sophisticated workflows with drag-and-drop components and JavaScript Using plug-ins to control infrastructure within and around your vSphere environment Bringing consistency to VM provisioning, overcoming "VM sprawl" and resource contention, and simplifying support Optimizing VM lifecycle management, all the way through decommissioning Automating all snapshot monitoring processes and components Exporting logs, finding/deleting orphaned files, and performing other day-to-day tasks Efficiently conducting mass VM migrations Quickly adding vCenter hosts and clusters, configuring shared storage, and adding hosts to new clusters Using vCO and third-party plug-ins to gain "private cloud" benefits and flexibility Networking/Virtualization vmware.com/go/vmwarepress

Wireless Network Emulation with Mininet-WiFi - Christian Rothenberg 2019-12-09

Telecommunication networks are continually evolving and are deeply impacted by new technologies such as Software Defined Networking (SDN), Software Defined Wireless Networking (SDWN) and Network Functions Virtualization (NFV) paradigms. Research and solutions that explore new concepts, however, need to be tested in controlled environments, provide reliable results, and preferably have portability to physical network infrastructures. Thus, seeking to fill an important gap about experimenting with projects and research on wireless networks, the Mininet-WiFi emulator was developed. Also capable of emulating the wired medium, Mininet-WiFi can be used as a tool in the process of teaching computer networks for various levels of education and addressing multiple case studies including mobility, mesh and ad hoc networks, load balancing, security, quality of Service (QoS), MultiPath TCP (MP-TCP), vehicular networks, IoT, P4, among others. This book takes an approach to the world of wireless networking with an emphasis on experimentation and case studies, which are separated at different levels of complexity, but always following a didactic step-by-step approach, with access to source code for reproducing activities. proposed practices and supplemented with additional readings and demonstrative videos.

Network Design Cookbook - Michel Thomatis 2011-05-06

The Network Design Cookbook is a guide that provides a structured process that you, as a network engineer or a consultant, can use to meet your critical technical objectives while keeping within the parameters of industry best practices. While it primarily deals with Cisco equipment, the Network Design Cookbook lays out a design process that allows for the incorporation of products from other vendors. In this book, you will find valuable resources and tools for constructing the topology and services you need, with step-by-step design assistance for many solutions such as LAN, WAN, Data Center, Internet Edge, Firewall, and Collaboration. The Network Design Cookbook explains not only the importance of designing an ideal network, but also the consequences if the design is not well thought out. This book will be a valuable tool in both learning how to design a network, as well as a reference as you advance in your career.

Deploying Voice Over Wireless LANs - James T. Geier 2007

Master the design, installation, management and troubleshooting of a voice network over a wireless LAN from industry leader Jim Geier.

Wireless OFDM Systems - Marc Engels 2006-04-18

From the reviews: "This book [...] gives a comprehensive overview of the implementation of OFDM systems. [...] For those who study or work on broadband communication in a wireless multipath environment, this book is a useful and easy-to-read reference. [...]" (Zongsen Wu, Shaowen Song and Tianying Ji, Physics and Computing Dept., Wilfrid Laurier University, ON)

Almost Looks Like Work - Jason Cole 2017-12-03

This book is the distillation of the blog 'Almost Looks Like Work' at www.jasmcole.com. Inside you'll find evidence of the 44 separate occasions when I should have been working, but wasn't. Each time, I delved into an area motivated by science, mathematics, or analysis of open data. In separate chapters I explore such fascinating ponderables as 'What does WiFi look like?' 'Why are rainbows that size?' 'How do I visit

every London underground station?' 'Are octopuses psychic?' 'How fast does Father Christmas travel?' 'What if the moon exploded?' 'Is QWERTY the best keyboard design?' 'How do I orbit a black hole?' Discover in excruciating detail the answers to these questions and many more.

Wireless Networking Handbook - Jim Geier 1996

Wireless network technologies and standards. Analyzing the need for wireless networks. Implementing and supporting wireless networks. Appendixes.

PTFM - Tim Bryant 2021-01-16

Red teams can show flaws that exist in your network before they are compromised by malicious actors and blue teams traditionally assess current security measures and identify security flaws. The teams can provide valuable feedback to each other, but this is often overlooked, enter the purple team. The purple team allows for the integration of red team tactics and blue team security measures. The purple team field manual is a manual for all security professionals and integrates red and blue team methodologies.

Applied Network Security Monitoring - Chris Sanders 2013-11-26

Applied Network Security Monitoring is the essential guide to becoming an NSM analyst from the ground up. This book takes a fundamental approach to NSM, complete with dozens of real-world examples that teach you the key concepts of NSM. Network security monitoring is based on the principle that prevention eventually fails. In the current threat landscape, no matter how much you try, motivated attackers will eventually find their way into your network. At that point, it is your ability to detect and respond to that intrusion that can be the difference between a small incident and a major disaster. The book follows the three stages of the NSM cycle: collection, detection, and analysis. As you progress through each section, you will have access to insights from seasoned NSM professionals while being introduced to relevant, practical scenarios complete with sample data. If you've never performed NSM analysis, Applied Network Security Monitoring will give you an adequate grasp on the core concepts needed to become an effective analyst. If you are already a practicing analyst, this book will allow you to grow your analytic technique to make you more effective at your job. Discusses the proper methods for data collection, and teaches you how to become a skilled NSM analyst Provides thorough hands-on coverage of Snort, Suricata, Bro-IDS, SiLK, and Argus Loaded with practical examples containing real PCAP files you can replay, and uses Security Onion for all its lab examples Companion website includes up-to-date blogs from the authors about the latest developments in NSM

Hacking Exposed Wireless - Johnny Cache 2007-04-10

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

Network Design Cookbook - Michel Thomatis 2017-09-27

The second edition of the Network Design Cookbook provides a new approach for building a network design by selecting design modules (or PODs) based on the business requirements, engineer's preferences, and recommendations. This new approach provides a structured process that you, as a network engineer or consultant, can use to meet the critical technical objectives while keeping within the parameters of industry best practices. In this book, you will find valuable resources and tools for constructing the topology and services you need for many solutions such as LAN, WAN, Data Center, Internet Edge, Firewall, to

Collaboration. This book will be a valuable tool in both learning how to design a network, as well as a reference as you advance in your career.

Data-Centric Business and Applications - Natalia Kryvinska 2018-07-16

This book discusses processes and procedures in information/data processing and management. The global market is becoming more and more complex with an increased availability of data and information, and as a result doing business with information is becoming more popular, with a significant impact on modern society immensely. This means that there is a growing need for a common understanding of how to create, access, use and manage business information. As such this book explores different aspects of data and information processing, including information generation, representation, structuring, organization, storage, retrieval, navigation, human factors in information systems, and the use of information. It also analyzes the challenges and opportunities of doing business with information, and presents various perspectives on business information managing.

Executive Employment Agreements - Gregory C. Schick

...discusses employment agreements between employers and their key employees. The portfolio primarily deals with employment agreements between corporations and their executives, and includes a discussion of the issues that are typically addressed in those agreements, such as responsibilities and duties,

performance standards, change of control provisions, grounds for termination, non-compete provisions and dispute resolution provisions, among others. The portfolio also covers separation agreements and releases. Certain issues that are of particular relevance to publicly traded corporations, privately held companies and corporations that conduct business on an international scale are discussed in the portfolio. Finally, the portfolio includes a discussion of Internal Revenue Code Section 409A, as well as practical suggestions for negotiating and drafting employment agreements.

Wireless Communications & Networks - William Stallings 2011-11-21

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. *Wireless Communications and Networks, 2e*, provides one of the most up-to-date and accurate overviews of wireless principles, technology, and application. It is ideal for courses in wireless networking, wireless communications, wireless data communications or wireless technology in departments of Computer Science, Engineering, IT, and Continuing Education. The rapid growth of mobile telephone use, satellite services, and the wireless Internet are generating tremendous changes in telecommunications and networking. Combining very current technical depth with a strong pedagogy and advanced Web support, this new edition provides a comprehensive guide to wireless technology—exploring key topics such as technology and architecture, network types, design approaches, and the latest applications.