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Asterisk-Leif Madsen 2011-04-15 Provides information on designing a VoIP or analog PBX using Asterisk, covering how to install, configure, and intergrate the software into an existing phone system.

Thomas Register of American Manufacturers and Thomas Register Catalog File- 2003 Vols. for 1970-71 includes manufacturers' catalogs.

Shaking Off the Dust-Rhianna Samuels 2008-11-01 Hannah's list: Ghosts are cold to the touch. Being tied up isn't much fun. And danger is a sure-fire prescription for amazing sex! When Hannah Campbell attends a memorial service for the neurosurgeon who once saved her life, the last thing she expects is a lightning strike that knocks her out cold and blasts her lungs full of the departed's ashes. Things only get weirder when she wakes up to find the deceased standing over her hospital bed, insisting she help him track down the terrorists who blew up his plane. Professor Takeshi Shimodo doesn't know what to believe when smart-mouthed Hannah appears on his doorstep, claiming to be haunted by the ghost of his best friend. Yet she exhibits some extraordinary psychic abilities. And her determination to find justice for the crash victims, in spite of her fragile health, touches his heart. Takeshi's acupressure techniques are meant to calm Hannah's erratic heartbeat, but the longer they are together, the more his magic fingers have the opposite effect. Soon, their passion flares hotter than any lightning strike. But now the terrorist they seek is hunting them. And the FBI is suspicious Hannah knows just a little too much. Without some "spiritual" help, they haven't a ghost of a chance. Warning, this title contains the following: explicit sex, graphic language and violence.

Skype for Business Unleashed-Alex Lewis 2016-09-15 Skype for Business Unleashed This is the most comprehensive, realistic, and useful guide to Skype for Business Server 2015, Microsoft's most powerful unified communications system. Four leading Microsoft unified communications consultants share in-the-trenches guidance for planning, integration, migration, deployment, administration, and more. The authors thoroughly introduce Skype for Business 2015's components and capabilities, as well as changes and improvements associated with the integration of popular Skype consumer technologies. You'll find detailed coverage of IP voice, instant messaging, conferencing, and collaboration; and expert guidance on server roles, multi-platform clients, security, and troubleshooting. Reflecting their unsurpassed experience, the authors illuminate Microsoft's new cloud-based and hybrid cloud architectures for unified communications, showing how these impact networking, security, and Active Directory. They cover SDN for unified communications; interoperation with consumer Skype and legacy video conferencing; quality optimization, mobile improvements, and much more. Throughout, the authors combine theory, step-by-step configuration instructions, and best practices from real enterprise environments. Simply put, you'll learn what works—and how it's done. Detailed Information on How To · Plan deployments, from simple to highly complex · Deploy Skype for Business Server 2015 as a cloud or cloud-hybrid solution · Walk step by step through installation or an in-place upgrade · Overcome "gotchas" in migrating from Lync Server 2010 or 2013 · Leverage new features available only in cloud or cloud-hybrid environments · Implement and manage Mac, mobile, Windows, browser, and virtualized clients · Establish server roles, including front end, edge, and mediation server · Make the most of Skype for Business Server 2015's enhanced mobile experience · Manage external dependencies: network requirements, dependent services, and security infrastructure · Efficiently administer Skype for Business Server 2015 · Provide for high availability and disaster recovery · Integrate voice, telephony, and video, step by step · Avoid common mistakes, and discover expert solutions and workarounds Category: Business Applications Covers: Skype for Business User Level: Intermediate—Advanced

Audio Over IP-Steve Church 2012-09-10 Position yourself at the forefront of audio and broadcast studio technology by learning audio over IP. You will gain knowledge of IP network engineering as it applies to audio applications, and then progress to a full understanding of how equipment built on Ethernet and Internet Protocol are used in today's audio production and broadcast facilities for the transporting, mixing and processing of pro-quality audio. A chapter on integrating Voice-over IP telephony (VoIP) to pro-audio and broadcast facilities is also included. Using the popular Livewire technology, you will learn how to design, construct, configure and troubleshoot an AoIP system, including how to interface with PCs, VoIP telephone PBXs, IP codecs, and the Internet. See how AoIP systems work in practice, and discover their distinct advantages over older audio infrastructures. With its complete introduction to AoIP technology in a fun, highly readable style, this book is essential for audio professionals who want to broaden their knowledge of IP-based studio systems--or for IT experts who need to understand AoIP applications.

VoIP Telephony with Asterisk-Paul Mahler 2005

Linux Networking Cookbook-Carla Schroder 2007-11-26 This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With Linux Networking Cookbook, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, Linux Networking Cookbook gives you exactly what you need.

A Slice of the Pie-Nick Sarillo 2012-09-13 How does a suburban pizza joint end up profiled on national magazine covers and network TV news? (Hint: The secret is not in the sauce.) When Nick Sarillo decided to open a family-friendly pizza restaurant in the suburbs of Chicago, people thought he was nuts. Having worked as a carpenter for much of his adult life, he lacked any formal experience in restaurants or in managing a small business. Everyone told him no one else would ever care about his place the way he did. They warned he'd have to work 20-hour-days and monitor every employee just to stay in business. But Sarillo saw things differently, and set out to run his business in a radically different way. Today Nick's Pizza & Pub is one of the top ten busiest independent pizza restaurants in the country, with two locations that gross about six times the revenue of the typical pizza restaurant. And in an industry where most employees leave within less than a year, Nick's annual turnover rate is less than 20 percent. How did he do it? The secret lies in Nick's purpose-driven culture, in which every employee—from the waiters to the chefs to the managers—is equipped with the tools necessary to do their jobs while also advancing the company's overall mission. The result is higher sales, a dedicated team, and a big little business that is beloved by the entire community. In A Slice of the Pie Sarillo tells the story of how he built his extraordinary culture and shows how anyone can follow his methods. For instance, Nick's managers engage the staff by tracking and rewarding unusual metrics, such as how many guests request a particular server or the average check amount of each carryout host. Likewise, team members of all ages and levels of experience are encouraged to express themselves, acquire new skills, and suggest ideas to help the business grow. A Slice of the Pie will help transform even the smallest, simplest, and most ordinary business into a successful, high-performance organization.

Mastering Skype for Business 2015-Keith Hanna 2016-04-04 Authoritative, hands-on guidance for Skype Business administrators Mastering Skype for Business 2015 gives administrators the comprehensive coverage they need to effectively utilize Skype for Business. Fully up to date for the 2015 release, this guide walks you through industry best practices for planning, design, configuration, deployment, and management with clear instruction and plenty of hands-on exercises. Case studies illustrate the real-world benefits of Unified Communication, and provide expert experiences working with Skype for Business. From server roles, infrastructure, topology, and security to telephony, cloud deployment, and troubleshooting, this guide provides the answers you need and the insight that will make your job easier. Sample automation scripts help streamline your workflow, and full, detailed coverage helps you exploit every capability Skype for Business has to offer. Skype for Business enables more robust video conferencing, and integrates with Office, Exchange, and SharePoint for better on-premises

and cloud operations. Organizations are turning to Skype for Business as a viable PBX replacement, and admins need to be up to speed and ready to go. This book provides the clear, explicit instructions you need to: Design, configure, and manage IM, voice mail, PBX, and VoIP Connect to Exchange and deploy Skype for Business in the cloud Manage UC clients and devices, remote access, federation, and public IM Automate management tasks, and implement cross-team backup-and-restore The 2015 version is the first Skype to take advantage of the Windows 10 'touch first' capabilities to provide fast, natural, hands-on control of communications, and users are eager to run VoIP, HD video conferencing, collaboration, instant messaging, and other UC features on their mobile devices.

Mastering Skype for Business 2015 helps you get Skype for Business up and running quickly, with hands-on guidance and expert insight.

Cisco LAN Switching Configuration Handbook-Stephen McQuerry 2009-06-16 Cisco LAN Switching Configuration Handbook Second Edition A concise reference for implementing the most frequently used features of the Cisco Catalyst family of switches Steve McQuerry, CCIE® No. 6108 David Jansen, CCIE No. 5952 David Hucaby, CCIE No. 4594 Cisco LAN Switching Configuration Handbook, Second Edition, is a quick and portable reference guide to the most commonly used features that can be configured on Cisco® Catalyst® switches. Written to be used across all Catalyst IOS platforms, the book covers general use of Cisco IOS®, followed by a series of chapters that provide design and configuration guidelines. Each chapter starts with common design overviews and then describes the configuration of management features. Coverage includes Layer 2, Layer 3, multicast, high availability, and traffic management configurations. This book is organized by groups of common features, with sections marked by shaded tabs for quick reference. Information on each feature is presented in a concise format, with background, configuration, and example components. The format is organized for easy accessibility to commands and their proper usage, saving you hours of research time. From the first page, the authors zero in on quick facts, configuration steps, and explanations of configuration options in each Cisco Catalyst switch feature. The quick reference format allows you to easily locate just the information you need without having to search through thousands of pages of documentation, helping you get your switches up and running quickly and smoothly. Whether you are looking for a handy, portable reference to more easily configure Cisco Catalyst switches in the field, or you are preparing for CCNA®, CCNP®, or CCIE® certification, you will find Cisco LAN Switching Configuration Handbook, Second Edition, to be an essential resource. Steve McQuerry, CCIE No. 6108, is a technical solutions architect with Cisco focused on data center solutions. Steve works with enterprise customers in the midwestern United States to help them plan their data center architectures. David Jansen, CCIE No. 5952, is a technical solutions architect (TSA) with Cisco focused on Data Center Architectures at Cisco. David has more than 20 years of experience in the IT industry. David Hucaby, CCIE No. 4594, is a lead network engineer for the University of Kentucky, where he works with healthcare networks based on the Cisco Catalyst, ASA/PIX/FWSM security, and VPN product lines. Implement switched campus network designs Configure switch prompts, IP addresses, passwords, switch modules, file management, and administrative protocols Understand how Layer 3 interfaces are used in a switch Configure Ethernet, Fast Ethernet, Gigabit Ethernet, and EtherChannel interfaces Implement VLANs, trunking, and VTP Operate, configure, and tune Spanning Tree Protocol (STP) Handle multicast traffic and interact with multicast routers Streamline access to server and firewall farms with accelerated server load balancing Deploy broadcast suppression, user authentication, port security, and VLAN access lists Configure switch management features Implement QoS and high availability features Transport voice traffic with specialized voice gateway modules, inline power, and QoS features This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Asterisk-Jim Van Meggelen 2007-08-28 Provides information on Asterisk, an open source telephony application.

QST- 1965

Report on an Inquiry Into Improper Associations in the NSW Police Force-New South Wales. Parliament. Committee on the Office of the Ombudsman and the Police Integrity Commission 2010 "This inquiry examined the level of risk associated with improper associations in the NSW Police Force and the level of awareness and compliance of officers to the Conflicts of Interest (Improper Associations) Policy and Guidelines.: -- Chair's foreword.

Software Architecture 2-Mourad Chabane Oussalah 2014-06-02 Over the past 20 years, software architectures have significantly contributed to the development of complex and distributed systems. Nowadays, it is recognized that one of the critical problems in the design and development of any complex software system is its architecture, i.e. the organization of its architectural elements. Software Architecture presents the software architecture paradigms based on objects, components, services and models, as well as the various architectural techniques and methods, the analysis of architectural qualities, models of representation of architectural templates and styles, their formalization, validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled.

Google Hacking for Penetration Testers-Johnny Long 2011-04-18 This book helps people find sensitive information on the Web. Google is one of the 5 most popular sites on the internet with more than 380 million unique users per month (Nielsen/NetRatings 8/05). But, Google's search capabilities are so powerful, they sometimes discover content that no one ever intended to be publicly available on the Web including: social security numbers, credit card numbers, trade secrets, and federally classified documents. Google Hacking for Penetration Testers Volume 2 shows the art of manipulating Google used by security professionals and system administrators to find this sensitive information and "self-police their own organizations. Readers will learn how Google Maps and Google Earth provide pinpoint military accuracy, see how bad guys can manipulate Google to create super worms, and see how they can "mash up" Google with MySpace, LinkedIn, and more for passive reconnaissance. • Learn Google Searching Basics Explore Google's Web-based Interface, build Google queries, and work with Google URLs. • Use Advanced Operators to Perform Advanced Queries Combine advanced operators and learn about colliding operators and bad search-fu. • Learn the Ways of the Google Hacker See how to use caches for anonymity and review directory listings and traversal techniques. • Review Document Grinding and Database Digging See the ways to use Google to locate documents and then search within the documents to locate information. • Understand Google's Part in an Information Collection Framework Learn the principles of automating searches and the applications of data mining. • Locate Exploits and Finding Targets Locate exploit code and then vulnerable targets. • See Ten Simple Security Searches Learn a few searches that give good results just about every time and are good for a security assessment. • Track Down Web Servers Locate and profile web servers, login portals, network hardware and utilities. • See How Bad Guys Troll for Data Find ways to search for usernames, passwords, credit card numbers, social security numbers, and other juicy information. • Hack Google Services Learn more about the AJAX Search API, Calendar, Blogger, Blog Search, and more.

Multi-Frame Motion-Compensated Prediction for Video Transmission-Thomas Wiegand 2012-12-06 Multi-Frame Motion-Compensated Prediction for Video Transmission presents a comprehensive description of a new technique in video coding and transmission. The work presented in the book has had a very strong impact on video coding standards and will be of interest to practicing engineers and researchers as well as academics. The multi-frame technique and the Lagrangian coder control have been adopted by the ITU-T as an integral part of the well known H.263 standard and are were adopted in the ongoing H.26L project of the ITU-T Video Coding Experts Group. This work will interest researchers and students in the field of video coding and transmission. Moreover, engineers in the field will also be interested since an integral part of the well known H.263 standard is based on the presented material.

Conducting Network Penetration and Espionage in a Global Environment-Bruce Middleton 2014-04-28 When it's all said and done, penetration testing remains the most effective way to identify security vulnerabilities in computer networks. Conducting Network Penetration and Espionage in a Global Environment provides detailed guidance on how to perform effective penetration testing of computer networks—using free, open source, and commercially available tools, including Backtrack, Metasploit, Wireshark, Nmap, Netcat, and Nessus. It also considers exploits and other programs using Python, PERL, BASH, PHP, Ruby, and Windows PowerShell. The book taps into Bruce Middleton's decades of experience with computer security, including penetration testing of military networks, the White House, utilities, manufacturing facilities, CIA headquarters, the Defense Information Systems Agency, and NASA. Mr. Middleton begins with a chapter on defensive measures/privacy issues and then moves on to describe a cyber-attack on one of his labs and how he responded to the attack. Next, the book explains how to research a target without directly "touching" that target. Once you've learned all you can, the text describes how to gather even more information using a more direct approach. From there, it covers mathematical analysis, considers target exploitation, and discusses Chinese and Syrian cyber-attacks. Providing authoritative guidance on cyberforensics, reverse engineering, and penetration testing, the book categorizes testing tools according to their use within the standard penetration testing framework. For each of the above-mentioned categories, you will find basic and advanced tools and procedures to help you identify security vulnerabilities in today's networks. After reading this book, you will understand how to perform an organized and efficient penetration test. You will also learn techniques used to bypass anti-virus software and capture keystrokes of remote systems. Explaining how to put together your own penetration testing lab, the text concludes by describing how to utilize various iPhone apps to perform reconnaissance activities on wireless networks.

Feminism and the Politics of Travel After the Enlightenment-Yaël Rachel Schlick 2012-01 Taking the Enlightenment and the feminist tradition to which it gave rise as its historical and philosophical coordinates, Feminism and the Politics of Travel After the Enlightenment explores the coincidence of feminist vindications and travel in the late eighteenth and nineteenth centuries, the way travel's utopian dimension and feminism's utopian ideals have intermittently fed off each other in productive ways. Travel's gender politics is analyzed in the works of J.-J. Rousseau, Mary Wollstonecraft, Stéphanie-Félicité de Genlis, Germaine de Staël, Frances Burney, Flora Tristan, Suzanne Voilquin, Gustave Flaubert George Sand, Robyn Davidson, and Sara Wheeler.

Speech and Audio Processing for Coding, Enhancement and Recognition-Tokunbo Ogunfunmi 2014-10-14 This book describes the basic principles underlying

the generation, coding, transmission and enhancement of speech and audio signals, including advanced statistical and machine learning techniques for speech and speaker recognition with an overview of the key innovations in these areas. Key research undertaken in speech coding, speech enhancement, speech recognition, emotion recognition and speaker diarization are also presented, along with recent advances and new paradigms in these areas.

Network Security Assessment-Chris McNab 2004-03-19 There are hundreds--if not thousands--of techniques used to compromise both Windows and Unix-based systems. Malicious code and new exploit scripts are released on a daily basis, and each evolution becomes more and more sophisticated. Keeping up with the myriad of systems used by hackers in the wild is a formidable task, and scrambling to patch each potential vulnerability or address each new attack one-by-one is a bit like emptying the Atlantic with paper cup.If you're a network administrator, the pressure is on you to defend your systems from attack. But short of devoting your life to becoming a security expert, what can you do to ensure the safety of your mission critical systems? Where do you start?Using the steps laid out by professional security analysts and consultants to identify and assess risks, Network Security Assessment offers an efficient testing model that an administrator can adopt, refine, and reuse to create proactive defensive strategies to protect their systems from the threats that are out there, as well as those still being developed.This thorough and insightful guide covers offensive technologies by grouping and analyzing them at a higher level--from both an offensive and defensive standpoint--helping administrators design and deploy networks that are immune to offensive exploits, tools, and scripts. Network administrators who need to develop and implement a security assessment program will find everything they're looking for--a proven, expert-tested methodology on which to base their own comprehensive program--in this time-saving new book.

The Satellite Communication Applications Handbook-Bruce R. Elbert 2004 Since the publication of the best-selling first edition of The Satellite Communication Applications Handbook, the satellite communications industry has experienced explosive growth. Satellite radio, direct-to-home satellite television, satellite telephones, and satellite guidance for automobiles are now common and popular consumer products. Similarly, business, government, and defense organizations now rely on satellite communications for day-to-day operations. This second edition covers all the latest advances in satellite technology and applications including direct-to-home broadcasting, digital audio and video, and VSAT networks. Engineers get the latest technical insights into operations, architectures, and systems components.

Sulfites, Selenites & Tellurites-M.R. Masson 2013-10-22 This volume presents compilations and critical evaluations of reported solubility data for a wide range of compounds, including binary, ternary and more complex systems. The entire literature up to 1984 has been covered. Rigorous statistical procedures have been applied in the evaluations. For many of the ternary systems and some quaternary ones, computer-drawn phase diagrams are included (prepared to the same scale where possible to allow easy comparison).

A New Direction for China's Defense Industry-Evan S. Medeiros 2005-12-19 Since the early 1980s, a prominent and consistent conclusion drawn from research on China's defense-industrial complex has been that China's defense-production capabilities are rife with weaknesses and limitations. This study argues for an alternative approach: From the vantage point of 2005, it is time to shift the focus of current research to the gradual improvements in and the future potential of China's defense-industrial complex. The study found that China's defense sectors are designing and producing a wide range of increasingly advanced weapons that, in the short term, are relevant to a possible conflict over Taiwan but also to China's long-term military presence in Asia. Part of a larger RAND Project AIR FORCE study on Chinese military modernization, this study examines the current and future capabilities of China's defense industry. The goals of this study are to 1.

Introduction to MIMO Communications-Jerry R. Hampton 2013-11-28 This accessible guide contains everything you need to get up to speed on the theory and implementation of MIMO techniques.

Adaptive Audio and Video Processing for Electronic Chalkboard Lectures-Gerald Friedland 2006-12 This doctoral dissertation in computer science describes how traditional chalk and talk lectures can be transmitted over the web while maximizing the quality and minimizing the amount of extra effort. The book presents a comprehensive discussion on many technological and human-centered issues using the example of the software system "E-Chalk" that was co-developed by the author. As a by-product, the work includes a detailed description of the so-called "Simple Interactive Object Extration (SIOX)" algorithm that has recently been integrated in several open-source image manipulation programs such as GIMP, Inkscape, and Blender.

The Economics of Regional Clusters-Uwe Blien 2008-01-01 This important new book takes a critical view on regional industry clusters, in particular their identification and formation, and the policies which help create and support them.

Teleradiology-Sajeesh Kumar 2008-07-25 Developments in teleradiology are progressing at great speed. As a consequence, there is a need for a broad overview of the field. This first-ever book on teleradiology is presented in such a way that it should make it accessible to anyone, independent of their knowledge of technology. The text is designed to be used by all professionals, including radiologists, surgeons, nurses and allied health professionals, and computer scientists. In a very short time, driven by technical developments, the field of teleradiology has become too extensive to be covered by only a small number of experts. Therefore, Teleradiology has been written with chapter contributions from a host of renowned international authorities in teleradiology (see the Contents and the Contributors). This ensures that the subject matter focusing on recent advances in teleradiology is truly up to date. Our guiding hope during this task was that as editors of multiple chapters we could still write with a single voice and keep the content coherent and simple. We hope that the clarity of this book makes up for any limitations in its comp- hensiveness.

Current Achievements, Challenges and Digital Chances of Knowledge Based Economy-Svetlana Igorevna Ashmarina 2020-05-29 This book is based on research from Russia, Hungary, Bulgaria, Great Britain, Switzerland and the Czech Republic on issues related to knowledge-based economy development. The idea for this book was developed during three international conferences on digitalization: VI, VII and VIII International Scientific Weeks, organized by Samara State University of Economics (Samara, Russia) in 2018-2020. It is an initiative by the scientific and business organizations in the Samara Region and their Russian and international partners to analyze the current digitalization of social-economic systems, the problems and perspectives of this process, and its role in the creation and development of a new type of economy and new quality of human capital. All the contributions focus on the search for effective ways of adapting to the new digital reality and are based analyses of international statistics, and data from specific companies, educational institutions and governmental development programs. The book explores a variety of topics, including • Knowledge and Information as Basic Values of a New Economic Paradigm; • Information Technologies for Ensuring Sustainable Development of Organizations; • Augmented Reality, Artificial Intelligence and Big Data in Education and Business; • Digital Platforms and the Sharing Economy; • Potential of Digital Footprints in Economies and Education; • Sociocultural Consequences of Digitalization.

Asterisk Hacking-Joshua Brashars 2007-08-13 Asterisk Hacking provides details of techniques people may not be aware of. It teaches the secrets the bad guys already know about stealing personal information through the most common, seemingly innocuous, highway into computer networks: the phone system. This book provides details to readers what they can do to protect themselves, their families, their clients, and their network from this invisible threat. Power tips show how to make the most out of the phone system for defense or attack. Contains original code to perform previously unthought of tasks like changing caller id, narrowing a phone number down to a specific geographic location, and more! See through the eyes of the attacker and learn WHY they are motivated, something not touched upon in most other titles.

Learner-Centered Theory and Practice in Distance Education-Thomas M. Duffy 2003-12-08 Learner-Centered Theory and Practice in Distance Education: Cases From Higher Education brings the voice of the learning sciences to the study and design of distance learning. The contributors examine critical issues in the design of theoretically and pedagogically based distance education programs. Eight distance education programs are described in enough detail to allow readers with different interests to understand the pedagogical approaches and the implications of implementing those approaches. Issues of theory, pedagogy, design, assessment, communities of practice, collaboration, and faculty development are discussed. Each section of the book includes: *a primary chapter written by an author or authors involved with a distance education program that reflects learner-centered principles; *a formal reaction to the chapter by a specialist from the learning sciences, educational evaluation and policy, administration, or the corporate sector with expertise in issues of distance learning; and *an edited transcript of the authors' discussion of the primary chapter held at a symposium at the Asilomar Conference Center. A final "summing up" section offers two perspectives--from leading scholars outside the fields of instructional design, evaluation, and the learning sciences--on the approaches and thinking reflected in the rest of the book. This book is essential for researchers, as well as all those engaged in delivering, supporting, or administering distance education programs at the post-secondary level. The descriptions, strategies, and principles will inform the design of continuing education, as well as degree-based education and corporate education and training, and distance education programs for adults.

Telehealth in the Developing World-Richard Wootton 2009-02-24 Health care is primarily about people-to-people interactions. It is about understanding, diagnosis, physical contact, communication, and, ultimately, providing care. By bringing people together, telecommunication technologies have the potential to improve both the quality of and access to health care in the remotest areas of the developing world. Telemedicine offers solutions for emergency medical assistance, long-distance consultation, administration and logistics, supervision and quality assurance, and education and training for healthcare professionals and providers. This book aims to redress the relative lack of published information on successful telehealth solutions in the developing world. It presents real-

life stories from Asia, Africa, and Latin America. It is rich in practical experience and will be of interest to health professionals, development workers, and e-health and telehealth proponents interested in learning about, or contributing to the implementation of, appropriate solutions for 80% of the world's population.

Cisco LAN Switching (CCIE Professional Development series)-Kennedy Clark 1999-08-26 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. The most complete guide to Cisco Catalyst(r) switch network design, operation, and configuration Master key foundation topics such as high-speed LAN technologies, LAN segmentation, bridging, the Catalyst command-line environment, and VLANs Improve the performance of your campus network by utilizing effective Cisco Catalyst design, configuration, and troubleshooting techniques Benefit from the most comprehensive coverage of Spanning-Tree Protocol, including invaluable information on troubleshooting common Spanning Tree problems Master trunking concepts and applications, including ISL, 802.1Q, LANE, and MPOA Understand when and how to utilize Layer 3 switching techniques for maximum effect Understand Layer 2 and Layer 3 switching configuration with the Catalyst 6000 family, including coverage of the powerful MSFC Native IOS Mode Cisco LAN Switchingprovides the most comprehensive coverage of the best methods for designing, utilizing, and deploying LAN switching devices and technologies in a modern campus network. Divided into six parts, this book takes you beyond basic switching concepts by providing an array of proven design models, practical implementation solutions, and troubleshooting strategies. Part I discusses important foundation issues that provide a context for the rest of the book, including Fast and Gigabit Ethernet, routing versus switching, the types of Layer 2 switching, the Catalyst command-line environment, and VLANs. Part II presents the most detailed discussion of Spanning-Tree Protocol in print, including common problems, troubleshooting, and enhancements, such as PortFast, UplinkFast, BackboneFast, and PVST+. Part III examines the critical issue of trunk connections, the links used to carry multiple VLANs through campus networks. Entire chapters are dedicated to LANE and MPOA. Part IV addresses advanced features, such as Layer 3 switching, VTP, and CGMP and IGMP. Part V covers real-world campus design and implementation issues, allowing you to benefit from the collective advice of many LAN switching experts. Part VI discusses issues specific to the Catalyst 6000/6500 family of switches, including the powerful Native IOS Mode of Layer 3 switching. Several features in Cisco LAN Switchingare designed to reinforce concepts covered in the book and to help you prepare for the CCIE exam. In addition to the practical discussion of advanced switching issues, this book also contains case studies that highlight real-world design, implementation, and management issues, as well as chapter-ending review questions and exercises. This book is part of the Cisco CCIE Professional Development Series from Cisco Press, which offers expert-level instruction on network design, deployment, and support methodologies to help networking professionals manage complex networks and prepare for CCIE exams.

Dictionary of Civil Engineering-Jean-Paul Kurtz 2004-09-14 I am pleased to present a work which marks a milestone in the history of public works and, more precisely, in that of permanent structures—a comprehensive dictionary of Civil Engineering terms. Since the beginning of time, Man has always tried to find a means to clear the obstacles which nature erected to displace him. With the first tree trunk thrown across a river, man sought to improve the crossing structure. After the invention of the wheel, and to satisfy his thirst for conquest (Roman ways), and comfort (aqueducts), man built bridges that became a preremptory necessity to move quickly. Thus, Man started to build wooden and masonry works. With the passing centuries, the builders became masters in the art of building masonry works. Then came the Industrial Revolution and the advent of the steel (1864), which was closely followed by the invention of the reinforced concrete (1855). The need for railways and improving the road network inspired great works of crossing such as viaducts and tunnels. The boom of the railway network and the development of the car required the construction of an increasing number of new structures. This phenomenon continues today with hundreds of structures built each year throughout the world.

Video Communications-James Wilcox 2005-01-06 Case studies document how, in businesses all across this country, people are communicating via videoconferences with broadcast quality reception. The authors detail how the proliferation of IP networks has driven quality improvements and cost savings in Asterisk: The Definitive Guide-Jim Van Meggelen 2019-06-24 Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting from scratch. Ideal for Linux administrators, developers, and power users, this updated fifth edition shows you how to write a basic dialplan step-by-step and brings you up to speed on the features in Asterisk 16, the latest long-term support release from Digium. You'll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan using best practices for more advanced features Delve into voicemail options such as storing messages in a database Connect to external services including Google Hangouts, XMPP, and calendars Incorporate Asterisk features and functions into a relational database to facilitate information sharing Learn how to use Asterisk's security, call routing, and faxing features Monitor and control your system with the Asterisk Manager Interface (AMI)

E-Technologies: Innovation in an Open World-Gilbert Babin 2009-04-30 This volume constitutes the proceedings of the 4th International Conference on E-Technologies, MCETECH 2009, held in Ottawa, Canada, during May 4-6, 2009. The 23 full and 4 short papers included in this volume were carefully reviewed and selected from a total of 42 submissions. They cover topics such as inter-organizational processes, service-oriented architectures, security and trust, middleware infrastructures, open source and open environments, and applications including eGovernment, eEducation, and eHealth.

Plant Proteomics-Setsuko Komatsu 2018-10-08 This book is a printed edition of the Special Issue "Plant Proteomics" that was published in Proteomes

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Telemedicine in the ICU-Matthew A. Koenig 2019-04-25 This text provides a concise, yet comprehensive overview of telemedicine in the ICU. The first part of the book reviews common issues faced by practitioners and hospital administrators in implementing and managing tele-ICU programs, including the merits of different staffing models, the challenges of building homegrown programs versus contracting for services, and the impact of state laws and payer policies on reimbursement for tele-ICU services. The second part of the book presents the current state of evidence for and against ICU telemedicine, based on clinical trials, before-and-after implementation studies, and observational data. The third part dives deeper into specific use cases for telemedicine in the ICU, including telestroke, pediatric and cardiac intensive care, and early treatment of declining patients with sepsis. Written by experts in the field, Telemedicine in the ICU is a practical guide for intensive care physicians and hospital administrators that provides all the information necessary in building and maintaining a successful tele-ICU program.

Deadly Paradise-Ejiro Joyce Otive-Igbuzor 2000

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