

Business Communications Infrastructure Networking Security

Business Data Communications and Security covers the fundamentals of data communications, networking, distributed applications, and network management and security. These concepts are presented in a way that relates specifically to the business environment and the concerns of business management and staff. While making liberal use of real-world case studies and charts and graphs to provide a business perspective, the book also provides the student with a solid grasp of the technical foundation of business data communications. The diverse set of projects and student exercises enables the instructor to use the book as a component in a rich and varied learning experience and to tailor a course plan to meet the specific needs of the instructor and students. This edition features a new co-author, Dr. Thomas L. Case, Professor and Chair of the Department of Information Systems at Georgia Southern University. New coverage of security-related issues is included in relevant places throughout the book to meet the needs of the IT/IS schools using this book and the growing emphasis on network security. Additionally, the Seventh edition now aligns with the ACM/AIS IS 2010 curriculum model.

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Authored by an internationally recognized expert in the field, this expanded, timely second edition addresses all the critical information security management issues needed to help businesses protect their valuable assets. Professionals learn how to manage business risks, governance and compliance. This updated resource provides a clear guide to ISO/IEC 27000 security standards and their implementation, focusing on the recent ISO/IEC 27001. Moreover, readers are presented with practical and logical information on standard accreditation and certification. From information security management system (ISMS) business context, operations, and risk, to leadership and support, this invaluable book is your one-stop resource on the ISO/IEC 27000 series of standards.

With a pedigree going back over ten years, *The Definitive Handbook of Business Continuity Management* can rightly claim to be a classic guide to business risk management and contingency planning, with a style that makes it accessible to all business managers. Some of the original underlying principles remain the same – but much has changed. This is reflected in this radically updated third edition, with exciting and helpful new content from new and innovative contributors and new case studies bringing the book right up to the minute. This book combines over 500 years of experience from leading Business Continuity experts of many countries. It is presented in an easy-to-follow format, explaining

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in detail the core BC activities incorporated in BS 25999, Business Continuity Guidelines, BS 25777 IT Disaster Recovery and other standards and in the body of knowledge common to the key business continuity institutes. Contributors from America, Asia Pacific, Europe, China, India and the Middle East provide a truly global perspective, bringing their own insights and approaches to the subject, sharing best practice from the four corners of the world. We explore and summarize the latest legislation, guidelines and standards impacting BC planning and management and explain their impact. The structured format, with many revealing case studies, examples and checklists, provides a clear roadmap, simplifying and de-mystifying business continuity processes for those new to its disciplines and providing a benchmark of current best practice for those more experienced practitioners. This book makes a massive contribution to the knowledge base of BC and risk management. It is essential reading for all business continuity, risk managers and auditors: none should be without it. Voice Over IP (VoIP) phone lines now represent over 50% of all new phone line installations. Every one of these new VoIP phone lines and handsets must now be protected from malicious hackers because these devices now reside on the network and are accessible from the Internet just like any server or workstation. This book will cover a wide variety of the publicly available exploit tools and how

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they can be used specifically against VoIP (Voice over IP) Telephony systems. The book will cover the attack methodologies that are used against the SIP and H.323 protocols as well as VoIP network infrastructure. Significant emphasis will be placed on both attack and defense techniques. This book is designed to be very hands on and scenario intensive · More VoIP phone lines are being installed every day than traditional PBX phone lines · VoIP is vulnerable to the same range of attacks of any network device · VoIP phones can receive as many Spam voice mails as your e-mail can receive Spam e-mails, and as result must have the same types of anti-spam capabilities

For Business Data Communications, Data Communications, and introductory Networking for Business courses. The content is also appropriate for the Introduction to Networking course in a MBA program. Business Data Communications: Infrastructure, Networking and Security covers the fundamentals of data communications, networking, distributed applications, and network management and security. These concepts are presented in a way that relates specifically to the business environment and the concerns of business management and staff. While making liberal use of real-world case studies and charts and graphs to provide a business perspective, the book also provides the student with a solid grasp of the technical foundation of business data

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communications. The diverse set of projects and student exercises enables the instructor to use the book as a component in a rich and varied learning experience and to tailor a course plan to meet the specific needs of the instructor and students. The Seventh edition features a new co-author, Dr. Thomas L. Case, Professor and Chair of the Department of Information Systems at Georgia Southern University. New coverage of security-related issues is included in relevant places throughout the book to meet the needs of the IT/IS schools using this book and the growing emphasis on network security. Additionally, the Seventh edition now aligns with the ACM/AIS IS 2010 curriculum model. The modern telecommunications infrastructureâ€"made possible by research performed over the last several decadesâ€"is an essential element of the U.S. economy. The U.S. position as a leader in telecommunications technology, however, is at risk because of the recent decline in domestic support of long-term, fundamental telecommunications research. To help understand this challenge, the National Science Foundation asked the NRC to assess the state of telecommunications research in the United States and recommend ways to halt the research decline. This report provides an examination of telecommunications research support levels, focus, and time horizon in industry, an assessment of university telecommunications research, and the implications

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of these findings on the health of the sector. Finally, it presents recommendations for enhancing U.S. telecommunicationsâ€™ research efforts.

Managing (e)Business Transformation comprises text and cases designed to show students how a business can be transformed into an internetworked enterprise where IT infrastructures are used to link customers, suppliers, partners and employees to create superior economic value. The book is written based on the premise that integrating internet technologies throughout the value chain is crucial to building and managing customer relationships. Importantly, it underscores the centrality of basic business and economic principles within the context of a networked environment. The book builds on established business and economic theories, concepts and fundamentals to show that 'e-business' will soon be synonymous with 'business'. The book takes a strong managerial perspective, especially popular with MBA students, to argue that the internet is simply an enabling technology, which allows firms to build the infrastructure needed to operate in an evolving business world. The application of theory/concepts is emphasized throughout and contains a range of international case studies enhance the learning experience. This book is a must for all students studying e-business strategy at undergraduate, MBA and postgraduate level. Also available is a companion website with extra features to accompany

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the text, please take a look by clicking below -

<http://www.palgrave.com/business/farhoomand/index.asp>

Compared with other wireless communication technologies, such as Bluetooth, WiFi, and UWB, ZigBee® is a far more reliable, affordable, and energy-efficient option. It is also the only global wireless communication standard for easily deployed, low-power consumption products. ZigBee® Network Protocols and Applications provides detailed descriptions of ZigBee network protocols and explains how to set up and develop your own ZigBee-based customized applications with step-by-step instructions. Starting with a brief introduction to near-field communications, low-power communications, and related protocols, it discusses ZigBee architectures, standards, and protocols. It also addresses potential issues such as power management, security, reliability, quality of service, topology control, MAC routing, and transport protocols. Emphasizing development tools that are based on readily available commercial kits, the book illustrates ZigBee applications across a wide range of fields. Each chapter presents the contributions of a different group of experts from around the world. The book is organized into five major parts: Introduces near-field communications (NFC), low-power communications, and ZigBee along with related protocols such as Bluetooth, WiFi, UWB, and Wireless USB Describes ZigBee architectures, standards, and protocols Examines ZigBee performance improvement and addresses potential issues Illustrates ZigBee applications across a range of fields—explaining how to develop ZigBee

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applications that are based on commercially available kits and hardware Compares and contrasts ZigBee with 6LoWPAN, Z-Wave, Wireless Hart, and RFID Providing step-by-step instruction on how to set up and develop ZigBee-based applications, this book is a must-read for researchers and engineers. Supplying the required foundation and network protocols, it is also suitable for use as a textbook for senior undergraduate and graduate courses in electrical or computer engineering programs.

Special Edition Using TCP/IP, 2E is the practical guide to applications of TCP/IP, including utilities for operation, troubleshooting, and management, with insight into future applications such as Voice over IP and VPNs. It includes current TCP/IP draft standards and future work planned. Clear illustrations of practical utilities enable the reader to understand both the technology and applications together from a single source. It includes current scaling problems in the Internet like addressing and routing. Both short-term solutions and long-term solutions for these problems are discussed.

Business Data Communications, 6/e, is ideal for use in Business Data Communications, Data Communications, and introductory Networking for Business courses. Business Data Communications, 6/e, covers the fundamentals of data communications, networking, distributed applications, and network management and security. Stallings presents these concepts in a way that relates specifically to the business environment and the concerns of business management and staff, structuring his text around requirements, ingredients, and applications. While making liberal use of

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real-world case studies and charts and graphs to provide a business perspective, the book also provides the student with a solid grasp of the technical foundation of business data communications. Throughout the text, references to the interactive, online animations supply a powerful tool in understanding complex protocol mechanisms. The Sixth Edition maintains Stallings' superlative support for either a research projects or modeling projects component in the course. The diverse set of projects and student exercises enables the instructor to use the book as a component in a rich and varied learning experience and to tailor a course plan to meet the specific needs of the instructor and students.

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Fully revised and updated with the latest data from the field, Network Security, Firewalls, and VPNs, Second Edition provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Key Features: -Introduces the basics of network security exploring the details of firewall security and how VPNs operate

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- Illustrates how to plan proper network security to combat hackers and outside threats
- Discusses firewall configuration and deployment and managing firewall security
- Identifies how to secure local and internet communications with a VPN Instructor

Materials for Network Security, Firewalls, VPNs include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well."

This fascinating exploration of secret service and intelligence agencies throughout the world details the new roles they have found for themselves as they target rogue states, terrorism, and the drug war. It shows how ultramodern technologies have increased their power to spy abroad and eavesdrop at home. It also exposes the unsolved contradiction between the world of these secretive, unaccountable agencies and the

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requirements of a free, democratic society.

The second edition of this comprehensive handbook of computer and information security provides the most complete view of computer security and privacy available. It offers in-depth coverage of security theory, technology, and practice as they relate to established technologies as well as recent advances. It explores practical solutions to many security issues. Individual chapters are authored by leading experts in the field and address the immediate and long-term challenges in the authors' respective areas of expertise. The book is organized into 10 parts comprised of 70 contributed chapters by leading experts in the areas of networking and systems security, information management, cyber warfare and security, encryption technology, privacy, data storage, physical security, and a host of advanced security topics. New to this edition are chapters on intrusion detection, securing the cloud, securing web apps, ethical hacking, cyber forensics, physical security, disaster recovery, cyber attack deterrence, and more. Chapters by leaders in the field on theory and practice of computer and information security technology, allowing the reader to develop a new level of technical expertise Comprehensive and up-to-date coverage of security issues allows the reader to remain current and fully informed from multiple viewpoints Presents methods of analysis and problem-solving techniques, enhancing the reader's grasp of the material and ability to implement practical solutions

By some counts, Model United Nations (MUN) has become the single most popular

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extracurricular academic activity among high school students. More than two million high school and college students have assumed the roles of ambassadors from real United Nations member countries, participated in spirited debate about the world's most pressing issues, and called, "Point of order, Mr. Chairman!" Now, in *Coaching Winning Model United Nations Teams*, Ed Mickolus and J. Thomas Brannan give MUN teachers and coaches the information they need to succeed. In this informative volume, the authors (MUN coaches themselves) provide detailed guidance for each step of the MUN path, from the first meeting in the teacher's classroom to the final days of an official MUN conference. Coaches will learn about the ins and outs of parliamentary procedure and the most effective ways to help their students draft position papers and resolutions. Most important, Mickolus and Brannan illustrate the many ways that teachers can inspire their students to take an active role in making the world a better place. By the time their students move on, MUN coaches will have instilled in them such important qualities as empathy, self-confidence, and grace under pressure. *Coaching Winning Model United Nations Teams* is a fun, useful guide for teachers and coaches who are working to help develop tomorrow's leaders today.

The need for information security management has never been greater. With constantly changing technology, external intrusions, and internal thefts of data, information security officers face threats at every turn. The *Information Security Management Handbook on CD-ROM, 2006 Edition* is now available. Containing

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the complete contents of the Information Security Management Handbook, this is a resource that is portable, linked and searchable by keyword. In addition to an electronic version of the most comprehensive resource for information security management, this CD-ROM contains an extra volume's worth of information that is not found anywhere else, including chapters from other security and networking books that have never appeared in the print editions. Exportable text and hard copies are available at the click of a mouse. The Handbook's numerous authors present the ten domains of the Information Security Common Body of Knowledge (CBK) ®. The CD-ROM serves as an everyday reference for information security practitioners and an important tool for any one preparing for the Certified Information System Security Professional (CISSP) ® examination. New content to this Edition: Sensitive/Critical Data Access Controls Role-Based Access Control Smartcards A Guide to Evaluating Tokens Identity Management-Benefits and Challenges An Examination of Firewall Architectures The Five "W's" and Designing a Secure Identity Based Self-Defending Network Maintaining Network Security-Availability via Intelligent Agents PBX Firewalls: Closing the Back Door Voice over WLAN Spam Wars: How to Deal with Junk E-Mail Auditing the Telephony System: Defenses against Communications Security Breaches and Toll Fraud The "Controls" Matrix Information Security Governance

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Many organizations and network administrators are looking for information on Windows 2000 and its new features. IT professionals responsible for installing, configuring and managing Microsoft products will be highly motivated to migrate to this new technology, based on its promise of reducing administrative overhead. Microsoft Windows 2000 Server (the predecessor to Windows NT 4 Server) integrates network services for companies and administrators to set up and manage networks, remote access and extranets, as well as to manage other communications. Managing Windows 2000 Network Services will be the first book to focus exclusively on networking and integrated voice, video, and data on networks. Readers will learn how to deploy and integrate all Windows 2000 networking technologies within an enterprise network. * The publication of the book will be with or soon after the release of Windows 2000 * Focuses completely on Network Services

Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780133023893. This item is printed on demand.

An in-depth knowledge of how to configure Cisco IP network security is a MUST

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for anyone working in today's internetworked world "There's no question that attacks on enterprise networks are increasing in frequency and sophistication..."-Mike Fuhrman, Cisco Systems Manager, Security Consulting

Managing Cisco Network Security, Second Edition offers updated and revised information covering many of Cisco's security products that provide protection from threats, detection of network security incidents, measurement of vulnerability and policy compliance and management of security policy across an extended organization. These are the tools that network administrators have to mount defenses against threats. Chapters also cover the improved functionality and ease of the Cisco Secure Policy Manger software used by thousands of small-to-midsized businesses and a special section on the Cisco Aironet Wireless Security Solutions. Security from a real-world perspective Key coverage of the new technologies offered by the Cisco including: 500 series of Cisco PIX Firewall, Cisco Intrusion Detection System, and the Cisco Secure Scanner

Revised edition of a text popular with CCIP (Cisco Certified Internetwork Professional) students Expanded to include separate chapters on each of the security products offered by Cisco Systems

Written for IT and business professionals, this book provides the technical and business insight needed to plan, deploy and manage the services provided by

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the Microsoft Azure cloud. Find out how to integrate the infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) models with your existing business infrastructure while maximizing availability, ensuring continuity and safety of your data, and keeping costs to a minimum. The book starts with an introduction to Microsoft Azure and how it differs from Office 365—Microsoft's 'other' cloud. You'll also get a useful overview of the services available. Part II then takes you through setting up your Azure account, and gets you up-and-running on some of the core Azure services, including creating web sites and virtual machines, and choosing between fully cloud-based and hybrid storage solutions, depending on your needs. Part III now takes an in-depth look at how to integrate Azure with your existing infrastructure. The authors, Anthony Puca, Mike Manning, Brent Rush, Marshall Copeland and Julian Soh, bring their depth of experience in cloud technology and customer support to guide you through the whole process, through each layer of your infrastructure from networking to operations. High availability and disaster recovery are the topics on everyone's minds when considering a move to the cloud, and this book provides key insights and step-by-step guidance to help you set up and manage your resources correctly to optimize for these scenarios. You'll also get expert advice on migrating your existing VMs to Azure using InMage, mail-in and the best 3rd

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party tools available, helping you ensure continuity of service with minimum disruption to the business. In the book's final chapters, you'll find cutting edge examples of cloud technology in action, from machine learning to business intelligence, for a taste of some exciting ways your business could benefit from your new Microsoft Azure deployment.

In recent years, the surge of blockchain technology has been rising due to its proven reliability in ensuring secure and effective transactions, even between untrusted parties. Its application is broad and covers public and private domains varying from traditional communication networks to more modern networks like the internet of things and the internet of energy crossing fog and edge computing, among others. As technology matures and its standard use cases are established, there is a need to gather recent research that can shed light on several aspects and facts on the use of blockchain technology in different fields of interest. Enabling Blockchain Technology for Secure Networking and Communications consolidates the recent research initiatives directed towards exploiting the advantages of blockchain technology for benefiting several areas of applications that vary from security and robustness to scalability and privacy-preserving and more. The chapters explore the current applications of blockchain for networking and communications, the future potentials of blockchain

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technology, and some not-yet-prospected areas of research and its application. This book is ideal for practitioners, stakeholders, researchers, academicians, and students interested in the concepts of blockchain technology and the potential and pitfalls of its application in different utilization domains.

Security and Resilience in Intelligent Data-Centric Systems and Communication Networks presents current, state-of-the-art work on novel research in theoretical and practical resilience and security aspects of intelligent data-centric critical systems and networks. The book analyzes concepts and technologies that are successfully used in the implementation of intelligent data-centric critical systems and communication networks, also touching on future developments. In addition, readers will find in-demand information for domain experts and developers who want to understand and realize the aspects (opportunities and challenges) of using emerging technologies for designing and developing more secure and resilient intelligent data-centric critical systems and communication networks. Topics covered include airports, seaports, rail transport systems, plants for the provision of water and energy, and business transactional systems. The book is well suited for researchers and PhD interested in the use of security and resilient computing technologies. Includes tools and techniques to prevent and avoid both accidental and malicious behaviors Explains the state-of-the-art technological

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solutions for main issues hindering the development of monitoring and reaction solutions Describes new methods and technologies, advanced prototypes, systems, tools and techniques of future direction

If you need to know more about communication's security management, this is the perfect book for you... Secure Communications confronts the practicalities of implementing the ideals of the security policy makers. Based on 15 years experience, the author addresses the key problems faced by security managers, starting from network conception, initial setting up and the maintenance of network security by key management. Many different types of communications networks are discussed using a wide range of topics, including voice, telephone, mobile phone, radio, fax, data transmission and storage, IP, and Email technologies. Each topic is portrayed in a number of different operational environments. *

- * Explains the practical links between cryptography and telecommunications
- * Addresses the pertinent issues of implementation of cryptography as a method of protecting information
- * Supports each communications technology and the fundamentals of cryptography with useful and relevant telecommunications material
- * Provides practical solutions by network modelling and stimulating the reader's imagination on how to deal with their own network protection
- * Highlights the need for a structured infrastructure in an organisation's security that complements the technical solutions

Easy to read and highly illustrated, this timely publication probes the sensitive issues that manufacturers and agencies prefer to avoid and uses eye opening, historical events, to highlight the failings and weaknesses of the past and present. So if you work within the areas of telecommunications and security or are a researcher or student

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eager to know more, read on...

As the world grows increasingly interconnected, data communications has become a critical aspect of business operations. Wireless and mobile technology allows us to seamlessly transition from work to play and back again, and the Internet of things has brought our appliances, vehicles, and homes into the network; as life increasingly takes place online, businesses recognize the opportunity for a competitive advantage. Today's networking professionals have become central to nearly every aspect of business, and this book provides the essential foundation needed to build and manage the scalable, mobile, secure networks these businesses require. Although the technologies evolve rapidly, the underlying concepts are more constant. This book combines the foundational concepts with practical exercises to provide a well-grounded approach to networking in business today. Key management and technical issues are highlighted and discussed in the context of real-world applications, and hands-on exercises reinforce critical concepts while providing insight into day-to-day operations. Detailed technical descriptions reveal the tradeoffs not presented in product summaries, building the analytical capacity needed to understand, evaluate, and compare current and future technologies.

Since 1993, the Information Security Management Handbook has served not only as an everyday reference for information security practitioners but also as an important document for conducting the intense review necessary to prepare for the Certified Information System Security Professional (CISSP) examination. Now completely revised and updated and in its fifth edition, the handbook maps the ten domains of the Information Security Common Body of Knowledge and provides a complete understanding of all the items in it. This is a ...must

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have... book, both for preparing for the CISSP exam and as a comprehensive, up-to-date reference.

Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide Second Edition Foundation learning for the CCNA Security IINS 640-554 exam Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide, Second Edition, is a Cisco-authorized, self-paced learning tool for CCNA® Security 640-554 foundation learning. This book provides you with the knowledge needed to secure Cisco® networks. By reading this book, you will gain a thorough understanding of how to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats. This book focuses on using Cisco IOS routers to protect the network by capitalizing on their advanced features as a perimeter router, firewall, intrusion prevention system, and site-to-site VPN device. The book also covers the use of Cisco Catalyst switches for basic network security, the Cisco Secure Access Control System (ACS), and the Cisco Adaptive Security Appliance (ASA). You learn how to perform basic tasks to secure a small branch office network using Cisco IOS security features available through web-based GUIs (Cisco Configuration Professional) and the CLI on Cisco routers, switches, and ASAs. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security (IINS) Foundation Learning Guide, Second Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit

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www.cisco.com/go/authorizedtraining. -- Develop a comprehensive network security policy to counter threats against information security -- Secure borderless networks -- Learn how to use Cisco IOS Network Foundation Protection (NFP) and Cisco Configuration Professional (CCP) -- Securely implement the management and reporting features of Cisco IOS devices -- Deploy Cisco Catalyst Switch security features -- Understand IPv6 security features -- Plan threat control strategies -- Filter traffic with access control lists -- Configure ASA and Cisco IOS zone-based firewalls -- Implement intrusion prevention systems (IPS) and network address translation (NAT) -- Secure connectivity with site-to-site IPsec VPNs and remote access VPNs This volume is in the Foundation Learning Guide Series offered by Cisco Press®. These guides are developed together with Cisco as the only authorized, self-paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams. Category: Cisco Certification Covers: CCNA Security IINS exam 640-554

As the sophistication of cyber-attacks increases, understanding how to defend critical infrastructure systems—energy production, water, gas, and other vital systems—becomes more important, and heavily mandated. *Industrial Network Security, Second Edition* arms you with the knowledge you need to understand the vulnerabilities of these distributed supervisory and control systems. The book examines the unique protocols and applications that are the foundation of industrial control systems, and provides clear guidelines for their protection. This how-to guide gives you thorough understanding of the unique challenges facing critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security

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implementation. All-new real-world examples of attacks against control systems, and more diagrams of systems Expanded coverage of protocols such as 61850, Ethernet/IP, CIP, ISA-99, and the evolution to IEC62443 Expanded coverage of Smart Grid security New coverage of signature-based detection, exploit-based vs. vulnerability-based detection, and signature reverse engineering

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind the firewall have no defenses of their own, so when a host in the "trusted" zone is breached, access to your data center is not far behind. That's an all-too-familiar scenario today. With this practical book, you'll learn the principles behind zero trust architecture, along with details necessary to implement it. The Zero Trust Model treats all hosts as if they're internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you'll focus on building strong authentication, authorization, and encryption throughout, while providing compartmentalized access and better operational agility.

Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information

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warfare.

Business Data Communications Infrastructure, Networking and Security Pearson Education

The conference on network security and communication engineering is meant to serve as a forum for exchanging new developments and research progresss between scholars, scientists and engineers all over the world and providing a unique opportunity to exchange information, to present the latest results as well as to review the relevant issues on

The real-world guide to securing Cisco-based IP telephony applications, devices, and networks Cisco IP telephony leverages converged networks to dramatically reduce TCO and improve ROI. However, its critical importance to business communications and deep integration with enterprise IP networks make it susceptible to attacks that legacy telecom systems did not face. Now, there's a comprehensive guide to securing the IP telephony components that ride atop data network infrastructures—and thereby providing IP telephony services that are safer, more resilient, more stable, and more scalable. Securing Cisco IP Telephony Networks provides comprehensive, up-to-date details for securing Cisco IP telephony equipment, underlying infrastructure, and telephony applications. Drawing on ten years of experience, senior network consultant Akhil Behl offers a complete security framework for use in any Cisco IP telephony environment. You'll find best practices and detailed configuration examples for securing Cisco Unified Communications Manager (CUCM), Cisco Unity/Unity Connection, Cisco Unified Presence, Cisco Voice Gateways, Cisco IP Telephony Endpoints, and many other Cisco IP Telephony applications. The book showcases easy-to-follow Cisco IP Telephony applications and network security-centric examples in every chapter. This guide is invaluable to every technical professional and IT decision-maker concerned with securing Cisco IP telephony

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networks, including network engineers, administrators, architects, managers, security analysts, IT directors, and consultants. Recognize vulnerabilities caused by IP network integration, as well as VoIP's unique security requirements Discover how hackers target IP telephony networks and proactively protect against each facet of their attacks Implement a flexible, proven methodology for end-to-end Cisco IP Telephony security Use a layered (defense-in-depth) approach that builds on underlying network security design Secure CUCM, Cisco Unity/Unity Connection, CUPS, CUCM Express, and Cisco Unity Express platforms against internal and external threats Establish physical security, Layer 2 and Layer 3 security, and Cisco ASA-based perimeter security Complete coverage of Cisco IP Telephony encryption and authentication fundamentals Configure Cisco IOS Voice Gateways to help prevent toll fraud and deter attacks Secure Cisco Voice Gatekeepers and Cisco Unified Border Element (CUBE) against rogue endpoints and other attack vectors Secure Cisco IP telephony endpoints—Cisco Unified IP Phones (wired, wireless, and soft phone) from malicious insiders and external threats This IP communications book is part of the Cisco Press® Networking Technology Series. IP communications titles from Cisco Press help networking professionals understand voice and IP telephony technologies, plan and design converged networks, and implement network solutions for increased productivity.

Part I together with Part II launch the process of formulation of the European Union policy on infrastructure. Part II launches a broad discussion with all interested parties of the major issues involved in the future regulation of network infrastructure. This will allow the development of a common approach to infrastructure provision in the European Union. Covers: the major drivers for change; universal service; employment, societal & cultural issues; & much more. Charts &

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tables.

Here's the book you need to prepare for the Implementing and Administering Security in a Microsoft Windows Server 2003 Network exam (70-299). This Study Guide was developed to meet the exacting requirements of today's certification candidates. In addition to the consistent and accessible instructional approach that earned Sybex the "Best Study Guide" designation in the 2003 CertCities Readers Choice Awards, this book provides: Clear and concise information on administering a secure Windows Server 2003 network Practical examples and insights drawn from real-world experience Leading-edge exam preparation software, including a testing engine and electronic flashcards for your Palm You'll also find authoritative coverage of key exam topics, including: Implementing, Managing, and Troubleshooting Security Policies Implementing, Managing, and Troubleshooting Patch Management Infrastructure Implementing, Managing, and Troubleshooting Security for Network Communications Planning, Configuring, and Troubleshooting Authentication, Authorization, and PKI Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

In Electronic Business Communications, Mike Chesher and Ricky Kaura tell you all that you need to know about electronic commerce over the Internet. All the major topics are covered: - How electronic business communications can give you the edge over your competitors; - How you can develop effective business strategies for electronic commerce; - All you need to know about EDI/E-commerce Security concerns? What security concerns ? the Internet is open for business! - What are the E-commerce standards and why do they matter? - Making the most of trading via the Internet and value added networks; - Breakthroughs in Web-based EDI and Internet applications Information highway initiatives; - Lots of case studies are included.

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Anyone working in or coming into contact with the exciting world of business electronic communications will find something to interest them here.

This is a wide-ranging, up-to-date introduction to modern business communication, which integrates communication theory and practice and challenges many orthodox views of the communication process. As well as developing their own practical skills, readers will be able to understand and apply principles of modern business communication. Among the subjects covered are: interpersonal communication, including the use and analysis of nonverbal communication group communication, including practical techniques to support discussion and meetings written presentation, including the full range of paper and electronic documents oral presentation, including the use of electronic media corporate communication, including strategies and media. The book also offers guidelines on how communication must respond to important organizational issues, including the impact of information technology, changes in organizational structures and cultures, and the diverse, multicultural composition of modern organizations. This is an ideal text for undergraduates and postgraduates studying business communication, and through its direct style and practical relevance it will also satisfy professional readers wishing to develop their understanding and skills.

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