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ESSENTIALS OF CLOUD COMPUTING

A HOLISTIC PERSPECTIVE

Springer Nature **This reader-friendly textbook presents a comprehensive overview of the essential aspects of cloud computing, from the origin of the field to the latest developments. Rather than merely discussing the cloud paradigm in isolation, the text also examines how cloud computing can work collaboratively with other computing models to meet the needs of evolving computing trends. This multi-dimensional approach encompasses the challenges of fulfilling the storage requirements of big data, the use of the cloud as a remote server for Internet of Things and sensor networks, and an investigation of how cloud computing is interlinked with edge, fog and mist computing, among other illuminating perspectives. Topics and features: includes learning objectives, motivating questions, and self-test exercises in every chapter; presents an introduction to the underlying concepts, fundamental features, and key technological foundations of cloud computing; examines how enterprise networking and cloud networking can work together to achieve business goals; reviews the different types of cloud storage available to address the evolution of data and the need for digitization; discusses the challenges and approaches to implementing cloud security, and the hot topic of cloud management; highlights the value of cloud brokerage capabilities, and explains the importance of cloud orchestration in multi-cloud environments; describes the details of cloud migration, the crucial role of monitoring in optimizing the cloud, and the basics of disaster recovery using cloud infrastructure. This technically rigorous yet simple-to-follow textbook is an ideal resource for graduate courses on cloud computing. Professional software developers and cloud architects will also find the work to be an invaluable reference.**

INTRODUCTION TO NETWORKING BASICS

John Wiley & Sons **The 2nd edition of Wiley Pathways Networking Basics addresses diversity and the need for flexibility. Its content focuses on the fundamentals to help grasp the subject with an emphasis on teaching job-related skills and practical applications of concepts with clear and professional language. The core competencies and skills help users succeed with a variety of built-in learning resources to practice what they need and understand the content. These resources enable readers to think critically about their new knowledge and apply their skills in any situation.**

5G CORE NETWORKS

POWERING DIGITALIZATION

Academic Press **5G Core Networks: Powering Digitalization provides an overview of the 5G Core network architecture, as well as giving descriptions of cloud technologies and the key concepts in the 3GPP rel-15/16 specifications. Written by the authors who are heavily involved in development of the 5G standards and who wrote the successful book on EPC and 4G Packet Networks, this book provides an authoritative reference on the technologies and standards of the 3GPP 5G Core network. Content includes: An overview of the 5G Core Architecture The Stand-Alone and Non-Stand-Alone Architectures Detailed presentation of 5G Core key concepts An overview of 5G Radio and Cloud technologies Learn The differences between the 5G Core network and previous core network generations How the interworking with previous network standards is defined Why certain functionality has been included and what is beyond the scope of 5G Core How the specifications relate to state-of-the-art web-scale concepts and virtualization technologies Details of the protocol**

and service descriptions Examples of network deployment options Provides a clear, concise and comprehensive view of 5GS/5GC Written by established experts in the 5GS/5GC standardization process, all of whom have extensive experience and understanding of its goals, history and vision Covers potential service and operator scenarios for each architecture Explains the Service Based Architecture, Network Slicing and support of Edge Computing, describing the benefits they will bring Explains what options and parts of the standards will initially be deployed in real networks, along with their migration paths

CISCO NETWORKING ESSENTIALS

Cisco Systems

NETWORK CONVERGENCE

SERVICES, APPLICATIONS, TRANSPORT, AND OPERATIONS SUPPORT

John Wiley & Sons **The present information age is enabled by telecommunications and information technology and the continued convergence of their services, technologies and business models. Within telecommunications, the historic separations between fixed networks, mobile telephone networks and data communications are diminishing. Similarly, information technology and enterprise communications show convergence with telecommunications. These synergies are captured in the concept of Next Generation Networks that result from evolution to new technologies, enabling new services and applications. Network Convergence creates a framework to aid the understanding of Next Generation Networks, their potential for supporting new and enhanced applications and their relationships with legacy networks. The book identifies and explains the concepts and principles underlying standards for networks, services and applications. Network Convergence: Gives comprehensive coverage of packet multimedia, enterprise networks, third generation mobile communications, OSA/Parlay and developments in fixed networks. Gives an integrated view of diverse information and communications systems and technology through a common NGN Framework. Delves into protocols, APIs and software processes for supporting services and applications in advanced networks. Discusses a variety of applications of telecommunications supporting IT and IT enhanced by communications. Follows developments in operations support systems standards and links these to next generation networks. Includes a wealth of examples, use cases, tables and illustrations that help reinforce the material for students and practitioners. Features an accompanying website with PowerPoint presentations, glossary, web references, tutorial problems, and 'learn more' pages. This essential reference guide will prove invaluable to advanced undergraduate and graduate students, academics and researchers. It will also be of interest to professionals working for telecommunications network operators, equipment vendors, telecoms regulators, and engineers who wish to further their knowledge of next generation networks.**

TELECOMMUNICATIONS ESSENTIALS

THE COMPLETE GLOBAL SOURCE FOR COMMUNICATIONS FUNDAMENTALS, DATA NETWORKING AND THE INTERNET, AND NEXT-GENERATION NETWORKS

Addison-Wesley Professional **Telecommunications current and emerging, wired and wireless--is covered in-depth here with the broadest, deepest, most up-to-date telecom overview on the market by one of the field's leading trainers. Whether readers are new to telecommunications and IT or simply want an understandable, comprehensive review of the state-of-the-art technology, this book is for them.**

CCNP ENTERPRISE CERTIFICATION STUDY GUIDE: IMPLEMENTING AND OPERATING CISCO ENTERPRISE NETWORK CORE TECHNOLOGIES

EXAM 350-401

John Wiley & Sons **The practical and conceptual knowledge you need to attain CCNP Enterprise certification From one of the most trusted study guide publishers comes CCNP Enterprise Certification Study Guide: Exam 350-401. This guide helps you develop practical knowledge and best practices for critical aspects of enterprise infrastructure so you can gain your CCNP Enterprise certification. If you're hoping to attain a broader range of skills and a solid understanding of Cisco technology, this guide will also provide fundamental concepts for learning how to implement and operate Cisco enterprise network core technologies. By focusing on real-world skills, each chapter prepares you with the knowledge you need to excel in your current role and beyond. It covers emerging and industry-specific topics, such as SD-WAN, network design, wireless, and automation. This practical guide also includes lessons on: ● Automation ● Network assurance ● Security ● Enterprise infrastructure ● Dual-stack architecture ● Virtualization In addition to helping you gain enterprise**

knowledge, this study guidecan lead you toward your Cisco specialist certification. When you purchase this guide, you get access to the information you need to prepare yourself for advances in technology and new applications, as well as online study tools such as: ● Bonus practice exams ● Pre-made flashcards ● Glossary of key terms ● Specific focus areas Expand your skillset and take your career to the next level with CCNP Enterprise Certification Study Guide.

ZERO TRUST NETWORKS

BUILDING SECURE SYSTEMS IN UNTRUSTED NETWORKS

"O'Reilly Media, Inc." **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**

ESSENTIALS OF HEALTH INFORMATION SYSTEMS AND TECHNOLOGY

Jones & Bartlett Publishers **As health care and public health continue to evolve, the field of health information systems (HIS) has revealed an overwhelming universe of new, emerging, competing, and conflicting technologies and services. This book unravels the mysteries of HIS by breaking technologies down to their component parts, while articulating intricate concepts clearly and carefully in simple, reader-friendly language. It will provide undergraduate and early graduate students with a solid understanding not only of what is needed for a successful healthcare career in HIS, but also of the future as we develop new tools to support improved methods of care, analytics, policy, research, and public health. Contents include: HIS overview; systems and management; biomedical informatics; data and analytics; research, policy, and public health; future directions of HIS. --**

HIGH-SPEED CISCO NETWORKS

PLANNING, DESIGN, AND IMPLEMENTATION

CRC Press **High-Speed Cisco Networks: Planning, Design, and Implementation covers LAN/WAN technology and its benefits. The book lays out Cisco's complete line of products and describes their features and best applications. It provides critical details on routers and servers, switches and hubs, security products, network management tools, ATM products, other services and programs, and Internetwork Operating Systems (IOS). Cisco's routers, hubs, and switches are the core of the Internet and today's high-speed networks. Armed with this independent evaluation, the reader can design high-speed networks that meet current needs and scale to future requirements with confidence.**

LAYER 2 VPN ARCHITECTURES

Pearson Education **A complete guide to understanding, designing, and deploying Layer 2 VPN technologies and pseudowire emulation applications Evaluate market drivers for Layer 2 VPNs Understand the architectural frame-work and choices for Layer 2 VPNs, including AToM and L2TPv3 Grasp the essentials of Layer 2 LAN and WAN technologies Examine the theoretical and operational details of MPLS and LDP as they pertain to AToM Understand the theoretical and operational details of Layer 2 protocols over L2TPv3 in IP networks Learn about Layer 2 VPN bridged and routed interworking and Layer 2 local switching Understand the operation and application of Virtual Private LAN Services (VPLS) Learn about foundation and advanced AToM and L2TPv3 topics through an extensive collection of case studies The historical disconnect between legacy Layer 2 and Layer 3 VPN solutions has forced service providers to build, operate, and maintain separate infrastructures to accommodate various VPN access technologies. This costly proposition, however, is no longer necessary. As part of its new Unified VPN Suite, Cisco Systems® now offers next-generation Layer 2 VPN services like Layer 2 Tunneling Protocol version 3 (L2TPv3) and Any Transport over MPLS (AToM) that enable service providers to offer Frame Relay, ATM, Ethernet, and leased-line services over a common IP/MPLS core network. By unifying multiple network layers and providing an integrated set of software services and management tools over this infrastructure, the Cisco® Layer 2 VPN solution enables established carriers, IP-oriented ISP/CLECs, and large enterprise customers (LECs) to reach a broader set of potential VPN customers and offer truly global VPNs. Layer 2 VPN Architectures is a**

comprehensive guide to consolidating network infrastructures and extending VPN services. The book opens by discussing Layer 2 VPN applications utilizing both AToM and L2TPv3 protocols and comparing Layer 3 versus Layer 2 provider-provisioned VPNs. In addition to describing the concepts related to Layer 2 VPNs, this book provides an extensive collection of case studies that show you how these technologies and architectures work. The case studies include both AToM and L2TPv3 and reveal real-world service provider and enterprise design problems and solutions with hands-on configuration examples and implementation details. The case studies include all Layer 2 technologies transported using AToM and L2TPv3 pseudowires, including Ethernet, Ethernet VLAN, HDLC, PPP, Frame Relay, ATM AAL5 and ATM cells, and advanced topics relevant to Layer 2 VPN deployment, such as QoS and scalability.

1001 MCSE TIPS

Course Technology Ptr Qualified information technology professionals are always in demand, and the MCSE exam is the leading benchmark for IT qualifications. Written by a MCSE certified trainer, "1001 MCSE Tips" covers everything a candidate must know to successfully complete the "core four" MCSE exams. The CD-ROM contains the Jamsa Press custom testing engine.

PRIVATE CLOUD COMPUTING

CONSOLIDATION, VIRTUALIZATION, AND SERVICE-ORIENTED INFRASTRUCTURE

Elsevier Chapter 1 -- Next-Generation IT Trends -- Layers of Function: The Service-Oriented Infrastructure Framework -- Blocks of Function: The Cloud Modules -- Cloud Computing Characteristics -- Computing Taxonomy -- Chapter 2 -- Next-Generation Data Center Architectures and Technologies -- The Data Center Consolidation and Virtualization Modus Operandi -- Server Consolidation Drivers -- Server Virtualization -- Storage Virtualization -- Layer 2 Evolutions -- Unified Data Center Fabric -- Chapter 3 -- Next-Generation WAN and Service Integration -- Service Integration in the Data Center -- Infrastructure Segmentation -- The Next-Generation Enterprise WAN -- Chapter 4 -- Branch Consolidation and WAN Optimization -- What is the WAN performance challenge? -- WAN Optimization Benefits -- Requirements for WAN Optimization Deployment -- Remote Office Virtualization Designs -- Chapter 5 -- Session Interception Design and Deployment -- Selecting an Interception Mechanism -- The WCCP Dive -- In-path Dep ...

JOURNEY INTO THE WORLD OF SASE

VMware Press This book is intended for any professional interested in gaining greater insight into the terms, concepts, and issues related to the ongoing evolution of security and networking. It has been developed for a range of readers: the executive seeking to understand how their business is changing, the IT leader responsible for driving the transition, and the technologist designing and implementing change. Upon conclusion of the book, the reader should have a better and deeper understanding of: •The state of enterprise technology today – legacy systems and networks, cloud compute and service providers, hybrid operating models •The ongoing evolution to hybrid models, bringing together disparate data center and cloud components under a single policy and security management umbrella. •The individual components that make up networking and security ecosystems and how they come together to form an intrinsic security solution. •The path to move enterprise networking and security blueprint towards SASE architecture. •How the integration of SD-WAN and SASE will address latency, performance, and global policy •As a team at the forefront of SD-WAN technology, we are uniquely positioned to help IT transform WAN into SASE as we lead the evolution in its implementation and deployment. •Market trends that have contributed to this movement, the challenges that it poses, and its value to both individual users and the broader enterprise. •In the realms of implementation and deployment, we will cover SASE network flow, design principles and operation practices, the role of Artificial Intelligence and Machine Learning (AIOps/ML) in the SASE platform, and the necessary preparatory steps to ensure effective Day-0 through Day-N operations and management. This technical book has 100+ diagrams to simplify the concept. Get started on your SASE Journey.

MCSE CORE EXAMS TEST YOURSELF PERSONAL TESTING CENTER

McGraw-Hill Companies Covers the core 5 MCSE exams. Covers five exams in one complete package: Windows NT workstation 4.0 ; Networking essentials ; Window NT server 4.0 ; Windows NT server 4.0 in the enterprise ; Windows 98.

NETWORK WORLD

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

NETWORK DESIGN & DEVICE CONFIGURATION

Nitya Publications, Bhopal MP, India Network Design & Device Configuration written by Dr. Syed Umar, Dr. N Lingareddy, Mr.Tariku Birhanu Yadesa, Mr.Gamechu Boche Beshan, Mr.Mohammed Kamal, Mr.Tesfaye Gadisa

ENTERPRISE NETWORKING: MULTILAYER SWITCHING AND APPLICATIONS

MULTILAYER SWITCHING AND APPLICATIONS

IGI Global Enterprise Networking: Multilayer Switching and Applications offers up to date information relevant for the design of modem corporate networks and for the evaluation of new networking equipment. The book describes the architectures, standards high-availability and network policies that are requirements of modern switched networks.

TOP-DOWN NETWORK DESIGN

TOP-DOWN NET DES _C3

Pearson Education Objectives The purpose of Top-Down Network Design, Third Edition, is to help you design networks that meet a customer's business and technical goals. Whether your customer is another department within your own company or an external client, this book provides you with tested processes and tools to help you understand traffic flow, protocol behavior, and internetworking technologies. After completing this book, you will be equipped to design enterprise networks that meet a customer's requirements for functionality, capacity, performance, availability, scalability, affordability, security, and manageability. Audience This book is for you if you are an internetworking professional responsible for designing and maintaining medium- to large-sized enterprise networks. If you are a network engineer, architect, or technician who has a working knowledge of network protocols and technologies, this book will provide you with practical advice on applying your knowledge to internetwork design. This book also includes useful information for consultants, systems engineers, and sales engineers who design corporate networks for clients. In the fast-paced presales environment of many systems engineers, it often is difficult to slow down and insist on a top-down, structured systems analysis approach. Wherever possible, this book includes shortcuts and assumptions that can be made to speed up the network design process. Finally, this book is useful for undergraduate and graduate students in computer science and information technology disciplines. Students who have taken one or two courses in networking theory will find Top-Down Network Design, Third Edition, an approachable introduction to the engineering and business issues related to developing real-world networks that solve typical business problems. Changes for the Third Edition Networks have changed in many ways since the second edition was published. Many legacy technologies have disappeared and are no longer covered in the book. In addition, modern networks have become multifaceted, providing support for numerous bandwidth-hungry applications and a variety of devices, ranging from smart phones to tablet PCs to high-end servers. Modern users expect the network to be available all the time, from any device, and to let them securely collaborate with coworkers, friends, and family. Networks today support voice, video, high-definition TV, desktop sharing, virtual meetings, online training, virtual reality, and applications that we can't even imagine that brilliant college students are busily creating in their dorm rooms. As applications rapidly change and put more demand on networks, the need to teach a systematic approach to network design is even more important than ever. With that need in mind, the third edition has been retooled to make it an ideal textbook for college students. The third edition features review questions and design scenarios at the end of each chapter to help students learn top-down network design. To address new demands on modern networks, the third edition of Top-Down Network Design also has updated material on the following topics: ¿ Network redundancy ¿ Modularity in network designs ¿ The Cisco SAFE security reference architecture ¿ The Rapid Spanning Tree Protocol (RSTP) ¿ Internet Protocol version 6 (IPv6) ¿ Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet ¿ Network design and management tools

GIGABIT ETHERNET FOR METRO AREA NETWORKS

McGraw Hill Professional **Gigabit Ethernet has been deployed in the metro space, providing low cost, easily managed bandwidth for intensive applications like video, storage, and ASPs. 10 Gigabit Ethernet (IEEE 802.3a) will make the use of Ethernet in the Metro area even more attractive. IDC projects that GigE revenues in the U.S., marked at $155 million in 2001, will grow at 36.7% per year over the next five years, to $741 million in 2006.**

5G WIRELESS

A COMPREHENSIVE INTRODUCTION

Addison-Wesley Professional **The 5G ultra-high-speed wireless communication standard is a major technological leap forward. For both technical and management professionals, it requires significant new knowledge and enables important new applications. In 5G Wireless: A Comprehensive Introduction, renowned information technology author William Stallings presents a comprehensive and unified explanation of 5G's key aspects, applications, and implications. Like Stallings' other award-winning texts, this guide is designed to help readers quickly find the information and gain the mastery you need to master this critical new technology. Coverage includes: Background and overview: A concise history of the development of cellular networks through 4G, introducing 5G's motivation, characteristics, and technologies. Application and use cases: A broad survey of both general application areas and specific use cases; includes coverage of implications for IoT, cloud, and fog computing. Air interface: A detailed survey of all aspects of radio transmission and the wireless interface. 5G core: A survey of 5G core architecture and deployment. 5G security and privacy: Requirements, threats, vulnerabilities, security controls, security product and service solutions, and privacy.**

MCSE WINDOWS NT SERVER 4.0 IN THE ENTERPRISE STUDY GUIDE

(EXAM 70-68)

McGraw-Hill Osborne Media **This book/CD-ROM package covers all concepts needed to pass Microsoft's Implementing and Supporting Microsoft Windows NT Server 4.0 in the Enterprise--a core requirement for MCSE certification. The CD-ROM contains six individual exams providing more sample questions than any other study guide, links to related material in the completely searchable version of the book, and hyperlinks to third-party Web sites for further information.**

BUILDING SWITCHED NETWORKS

MULTILAYER SWITCHING, QOS, IP MULTICAST, NETWORK POLICY, AND SERVICE LEVEL AGREEMENTS

Addison-Wesley Professional **Building Switched Networks provides a comprehensive, technical survey of the networking technologies that comprise the core of evolving LAN and WAN infrastructures. This book gives you essential background information, clear descriptions of relevant technologies, and an understanding of how those technologies will be employed throughout networks in the near future. In particular, the text focuses on developments that support our increasing demand for network bandwidth - multilayer switching delivery guarantees, and multicasting - and examines performance issues, resource allocation, network policy, and network services.**

TELECOMMUNICATIONS ESSENTIALS, SECOND EDITION

THE COMPLETE GLOBAL SOURCE

Pearson Education **Telecommunications Essentials, Second Edition, provides a comprehensive overview of the rapidly evolving world of telecommunications. Providing an in-depth, one-stop reference for anyone wanting to get up to speed on the $1.2 trillion telecommunications industry, this book not only covers the basic building blocks but also introduces the most current information on new technologies. This edition features new sections on IP telephony, VPNs, NGN architectures, broadband access alternatives, and broadband wireless applications, and it describes the technological and political forces at play in the world of telecommunications around the globe. Topics include Communications fundamentals, from traditional transmission media, to establishing communicationschannels, to the PSTN Data networking and the Internet, including the basics of data**

communications, local area networking, wide area networking, and the Internet and IP infrastructures Next-generation networks, including the applications, characteristics, and requirements of the new generation of networks that are being built to quickly and reliably carry the ever-increasing network traffic, focusing on IP services, network infrastructure, optical networking, and broadband access alternatives Wireless networking, including the basics of wireless networking and the technologies involved in WWANs, WMANs, WLANs, and WPANs

CONNECTING NETWORKS COMPANION GUIDE

Cisco Press **Connecting Networks Companion Guide is the official supplemental textbook for the Connecting Networks course in the Cisco® Networking Academy® CCNA® Routing and Switching curriculum. This course discusses the WAN technologies and network services required by converged applications in a complex network. The course allows you to understand the selection criteria of network devices and WAN technologies to meet network requirements. You will learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. You will also develop the knowledge and skills needed to implement IPSec and virtual private network (VPN) operations in a complex network. The Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time. The book's features help you focus on important concepts to succeed in this course: Chapter objectives-Review core concepts by answering the focus questions listed at the beginning of each chapter. Key terms-Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter. Glossary-Consult the comprehensive Glossary with 195 terms. Summary of Activities and Labs-Maximize your study time with this complete list of all associated practice exercises at the end of each chapter. Check Your Understanding-Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer. How To-Look for this icon to study the steps you need to learn to perform certain tasks. Interactive Activities-Reinforce your understanding of topics with all the different exercises from the online course identified throughout the book with this icon. Videos-Watch the videos embedded within the online course. Packet Tracer Activities-Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters. Hands-on Labs-Work through all the course labs and Class Activities that are included in the course and published in the separate Lab Manual.**

CCNA SECURITY STUDY GUIDE

EXAM 210-260

John Wiley & Sons **Lay the foundation for a successful career in network security CCNA Security Study Guide offers comprehensive review for Exam 210-260. Packed with concise explanations of core security concepts, this book is designed to help you successfully prepare for the exam. Expert instruction guides you through critical concepts relating to secure network infrastructure, access management, VPN encryption, Firewalls, intrusion prevention and more, with complete coverage of the CCNA exam objectives. Practical examples allow you to apply your skills in real-world scenarios, helping you transition effectively from "learning" to "doing". You also get access to the Sybex online learning environment, featuring the tools you need to maximize your study time: key terminology and flash cards allow you to study anytime, anywhere, while chapter tests and practice exams help you track your progress and gauge your readiness along the way. The CCNA Security certification tests your knowledge of secure network installation, monitoring, and troubleshooting using Cisco security hardware and software solutions. When you're ready to get serious about preparing for the exam, this book gives you the advantage of complete coverage, real-world application, and extensive learning aids to help you pass with confidence. Master Cisco security essentials, standards, and core technologies Work through practical examples drawn from real-world examples Track your progress with online study aids and self-tests Develop critical competencies in maintaining data integrity, confidentiality, and availability Earning your CCNA Security certification validates your abilities in areas that define careers including network security, administrator, and network security support engineer. With data threats continuing to mount, the demand for this skill set will only continue to grow—and in an employer's eyes, a CCNA certification makes you a true professional. CCNA Security Study Guide is the ideal preparation resource for candidates looking to not only pass the exam, but also succeed in the field.**

CCNP CISCO CERTIFIED NETWORK PROFESSIONAL TEST YOURSELF PRACTICE EXAMS

Computing McGraw-Hill **Updated with coverage of the newest ACRC, CIT, CLSC, and BCRAN exams, this "Test Yourself" guide contains over 575 questions in eight full CCNP practice exams. All questions feature in-depth answers to teach readers what they need to know to become certified.**

ADMINISTERING DATA CENTERS

SERVERS, STORAGE, AND VOICE OVER IP

John Wiley & Sons **"This book covers a wide spectrum of topics relevant to implementing and managing a modern data center. The chapters are comprehensive and the flow of concepts is easy to understand." -Cisco reviewer Gain a practical knowledge of data center concepts To create a well-designed data center (including storage and network architecture, VoIP implementation, and server consolidation) you must understand a variety of key concepts and technologies. This book explains those factors in a way that smoothes the path to implementation and management. Whether you need an introduction to the technologies, a refresher course for IT managers and data center personnel, or an additional resource for advanced study, you'll find these guidelines and solutions provide a solid foundation for building reliable designs and secure data center policies. * Understand the common causes and high costs of service outages * Learn how to measure high availability and achieve maximum levels * Design a data center using optimum physical, environmental, and technological elements * Explore a modular design for cabling, Points of Distribution, and WAN connections from ISPs * See what must be considered when consolidating data center resources * Expand your knowledge of best practices and security * Create a data center environment that is user- and manager-friendly * Learn how high availability, clustering, and disaster recovery solutions can be deployed to protect critical information * Find out how to use a single network infrastructure for IP data, voice, and storage**

NETWORK SALES AND SERVICES HANDBOOK

Cisco Press **This is the sales professional's handbook to understanding IT technologies and mastering the concepts and needs of a network environment. Essential understanding of the technologies that sales representatives need to know for success is provided here with case studies and real-world examples.**

MCSE ADMINISTERING EXCHANGE 2000 SERVER STUDY GUIDE (EXAM 70-224)

McGraw Hill Professional **The only classroom-based training and self-assessment system! Osborne's MCSE Exchange 2000 Server Study Guide provides 100% complete coverage of all official Microsoft exam objectives. Based on 200,000+ hours of IT training experience, the book contains hundreds of practice exam questions and hands-on exercises. The CD-ROM features full CertTrainer CBT software with interactive tutorials and lab simulations, plus the new ExamSim adaptive test engine.**

MCSE DESIGNING SECURITY FOR WINDOWS 2000

STUDY GUIDE (EXAM 70-220)

McGraw-Hill/Osborne Media **Substantial use of exercises throughout this book provide a hands-on learning approach. The revised and enhanced CD-ROM features: new direct links to all components, 12 three- to four-minute video clips of classroom instructors explaining difficult topics, self-paced SkillBuilder software, e-version of the book, and 60 Minutes of audio covering key exam topics essential to passing. 30 illustrations.**

MCSD VISUAL C++ 6 DISTRIBUTED APPLICATIONS STUDY GUIDE

EXAM 70-015

McGraw-Hill Osborne Media

MCDBA SQL SERVER 7 DATABASE DESIGN STUDY GUIDE

EXAM 70-29

MCSE MIGRATING FROM MICROSOFT WINDOWS NT 4.0 TO MICROSOFT WINDOWS 2000

EXAM 70-222

McGraw Hill Professional **Comprehensive in information, this study guide to Exam 70-222 capitalizes on the mandatory recertification facing current MCSEs and experienced NT administrators. CD-ROM with SkillBuilder CBT software features instructional video with voice overs, a quizzing engine linked to the electronic book with 300 questions, and realistic exam simulation. Illustrations.**

MCSE WINDOWS 2000 CERTIFICATION HEADSTART

McGraw-Hill Osborne Media **Syngress Media's headstart guide gives candidates an edge on exam preparation to become one of the first Windows 2000 MCSEs. Text is based on 5 Microsoft developed courses around which the exams will ultimately be written. Elements of practice include drills, chapter summaries, Web site offerings, and comparison illustrations.**

MCSD ANALYZING REQUIREMENTS STUDY GUIDE (EXAM 70-100).

McGraw-Hill Companies **Cowboy stories and movies about the Wild West are full of amazing characters. Yet many of the lawmen we think of as heroes were anything but -- some were violent scoundrels and outlaws themselves. Among all the lawmen of the frontier, one man stands out as a true hero: Bass Reeves.In his day, Bass Reeves was the most successful federal marshal in the United States. True to the mythical code of the West, he never drew his gun first. He rounded up hundreds of outlaws and was shot at countless times but was never hit. Bass Reeves was born into slavery. And though the laws of his country enslaved him and his mother, when he became a free man he served the law with such courage and honor that he was known and respected all over the Indian Territory.Gary Paulsen's dramatic account of the life of Bass Reeves, through stories both real and imagined, makes him come alive as a boy and a man. Listeners will truly understand why he became a legend.**

MCSE INTERNET SECURITY AND ACCELERATION SERVER 2000 STUDY GUIDE

(EXAM 70-227)

McGraw-Hill Osborne Media **The only classroom-based training and self-assessment system! Osborne's MCSE ISA Internet Security and Acceleration Server 2000 Study Guide provides 100% complete coverage of all Microsoft exam objectives for exam 70-227. Based on 200,000+ hours of IT training experience, the book contains hundreds of practice exam questions and hands-on exercises. The CD-ROM features full CertTrainer CBT software with interactive tutorials and lab simulations, plus the new ExamSim adaptive test engine. A second CD-ROM includes the full version of Microsoft Internet Security and Acceleration Server 2000 Enterprise Edition 120 Day Evaluation so you can practice while you prepare for your exam.**

SUN CERTIFIED PROGRAMMER FOR JAVA 2

McGraw-Hill Companies **This ultimate study guide for the Sun Java 2 certification, based on 100,000 hours of networking training experience, provides accurate coverage of all official certification objectives. The electronic version of the text on CD includes hundreds of challenging practice exam questions. Also featured are two-minute drills, exam watch, and classroom discussions.**

MCDBA ADMINISTERING SQL SERVER 2000 STUDY GUIDE (EXAM 70-228)

McGraw-Hill Osborne Media **The only classroom-based training and self-assessment system! Osborne's MCDBA Administering SQL Server 2000 Study Guide provides 100% complete coverage of all official Microsoft exam objectives for exam 70-228. Based on 200,000+ hours of IT training experience, the book contains hundreds of practice exam questions and hands-on exercises. The CD-ROM features full CertTrainer CBT software with interactive tutorials and lab simulations, plus the new ExamSim adaptive test engine.**

CNE NETWARE 5 STUDY GUIDE

McGraw-Hill Osborne Media **"CNE NetWare 5 Study Guide" combines the CNE core and the CNE Intranetware elective in one guide. The CD-ROM contains interactive exams linking back to the text, Exam Watch warnings, Certification Summaries, and post-exam research developed/reviewed by master CNEs.**