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The TCP/IP Guide A Comprehensive, Illustrated Internet Protocols Reference No Starch Press From Charles M. Kozierok, the creator of the highly regarded www.pcguide.com, comes The TCP/IP Guide. This completely up-to-date, encyclopedic reference on the TCP/IP protocol suite will appeal to newcomers and the seasoned professional alike. Kozierok details the core protocols that make TCP/IP internetworks function and the most important classic TCP/IP applications, integrating IPv6 coverage throughout. Over 350 illustrations and hundreds of tables help to explain the finer points of this complex topic. The book's personal, user-friendly writing style lets readers of all levels understand the dozens of protocols and technologies that run the Internet, with full coverage of PPP, ARP, IP, IPv6, IP NAT, IPSec, Mobile IP, ICMP, RIP, BGP, TCP, UDP, DNS, DHCP, SNMP, FTP, SMTP, NNTP, HTTP, Telnet, and much more. The TCP/IP Guide is a must-have addition to the libraries of internetworking students, educators, networking professionals, and those working toward certification. Technical Reports Awareness Circular : TRAC. MCA Modern Desktop Administrator Complete Study Guide Exam MD-100 and Exam MD-101 John Wiley & Sons The ultimate study guide for Microsoft 365 Certified Associate (MCA) Modern Desktop certification—covers the new Exam MD-100 and the new Exam MD-101 in one book! Referred to as the Modern Desktop, Microsoft 365 is Microsoft's new suite of modern workplace services comprising Windows 10, Office 365, and Enterprise Mobility & Security. IT administrators tasked with deploying and implementing Modern Desktop are required to configure, secure, manage, and monitor devices and applications in enterprise environments. Success on the MCA Modern Desktop Administrator certification exam is essential for IT professionals seeking to expand their job opportunities and advance their careers. The MCA Modern Desktop Administrator Complete Study Guide is an indispensable resource for candidates preparing for certification. This guide covers 100% of all exam objectives for the new Exam MD-100: Windows 10 and the new Exam-101: Managing Modern Desktops. All aspects of both new exams are covered, including in-depth information on advanced topics and technologies. Included is access to Sybex's comprehensive online learning environment—offering an assessment test, bonus practice exams, electronic flashcards, a searchable glossary, and videos for many of the chapter exercises (ONLY available for Exam MD-100). This must-have guide enables users to: Configure devices, core services, networking, storage, users, updates, and system and data recovery Implement, install, maintain, manage, and monitor Windows 10 Plan desktop deployment and Microsoft Intune device management solutions Manage identities, applications, remote access, and data access and protection Review real-world scenarios, hands-on exercises, and challenging practice questions The MCA Modern Desktop Administrator Complete Study Guide: Exam MD-100 and Exam MD-101 is an essential tool for anyone preparing for the exams and students and IT professionals looking to learn new skills or upgrade their existing skills. MCA Modern Desktop Administrator Study Guide with Online Labs Exam MD-100 John Wiley & Sons Virtual, hands-on learning labs allow you to apply your technical skills using live hardware and software hosted in the cloud. So Sybex has bundled Microsoft 365 Certified Associate (MCA) Modern Desktop from Practice Labs, the IT Competency Hub, with our popular MCA Modern Desktop Administrator Study Guide: Exam MD-100. Working in these labs gives you the same experience you need to prepare for the Microsoft 365 Certified Associate (MCA) Modern Desktop MD-100 that you would face in a real-life setting. Used in addition to the book, the labs are a proven way to prepare for the certification and for work in the Windows IT professional field. The new Microsoft 365 Certified Associate (MCA) Modern Desktop certification exam measures a candidate's ability to deploy Windows, manage devices and data, configure connectivity, and maintain Windows. MCA certification, sought by a growing number of employers, is an important part of any IT professional's resume. The MCA Modern Desktop Administrator Study Guide: Exam MD-100 is a must-have book for anyone preparing for certification. This clear and accurate study guide covers 100% of exam objectives—providing hands-on exercises, challenging review questions, full explanations, and real-world examples to deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. Access to Sybex's comprehensive online learning environment—comprising a self-assessment test, a bonus practice exam, flashcards, a searchable glossary, and chapter exercise videos—is included to fully prepare for exam day. This study guide: Covers all Exam: MD-100 objectives Prepares readers to implement, install, and configure Windows 10 Reinforces comprehension and retention of central exam topics Helps readers learn new skills or upgrade existing skills to Microsoft's latest desktop client Demand for competent IT professionals is already high and continues to grow at a rapid pace. The MCA Modern Desktop Administrator Study Guide: Exam MD-100 is a valuable resource for preparing for the new Exam MD-100 and MCA certification. And with this edition you also get Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs Microsoft 365 Certified Associate (MCA) Modern Desktop Labs with 29 unique lab modules to practice your skills. Forest Diversity and Management Springer Science & Business Media Drawing on research from biodiversity experts around the world, this book reflects the diversity of forest types and forest issues that concern forest scientists. Coverage ranges from savannah and tropical rainforests to the ancient oak forests of Poland; issues explored include the effects of logging, management practices, forest

dynamics and climate change on forest structure and biodiversity. Here is a useful overview of current science, for researchers and educators alike. The Definitive Guide to HR Management Tools (Collection) FT Press A brand new collection of high-value HR techniques, skills, strategies, and metrics… now in a convenient e-format, at a great price! HR management for a new generation: 6 breakthrough eBooks help you help your people deliver more value on every metric that matters This unique 6 eBook package presents all the tools you need to tightly link HR strategy with business goals, systematically optimize the value of all your HR investments, and take your seat at the table where enterprise decisions are made. In The Definitive Guide to HR Communication: Engaging Employees in Benefits, Pay, and Performance, Alison Davis and Jane Shannon help you improve the effectiveness of every HR message you deliver. Learn how to treat employees as customers… clarify their needs and motivations … leverage the same strategies and tools your company uses to sell products and services… package information for faster, better decision-making… clearly explain benefits, pay, and policies… improve recruiting, orientation, outplacement, and much more. In Investing in People, Second Edition, Wayne Cascio and John W. Boudreau help you use metrics to improve HR decision-making, optimize organizational effectiveness, and increase the value of strategic investments. You'll master powerful solutions for integrating HR with enterprise strategy and budgeting -- and for gaining commitment from business leaders outside HR. In Financial Analysis for HR Managers, Dr. Steven Director teaches the financial analysis skills you need to become a true strategic business partner, and get boardroom and CFO buy-in for your high-priority initiatives. Director covers everything HR pros need to formulate, model, and evaluate HR initiatives from a financial perspective. He walks through crucial financial issues associated with strategic talent management, offering cost-benefit analyses of HR and strategic financial initiatives, and even addressing issues related to total rewards programs. In Applying Advanced Analytics to HR Management Decisions , pioneering HR technology expert James C. Sesil shows how to use advanced analytics and "Big Data" to optimize decisions about performance management, strategy alignment, collaboration, workforce/succession planning, talent acquisition, career development, corporate learning, and more. You'll learn how to integrate business intelligence, ERP, Strategy Maps, Talent Management Suites, and advanced analytics -- and use them together to make far more robust choices. In Compensation and Benefit Design , world-renowned compensation expert Bashker D. Biswas helps you bring financial rigor to compensation and benefit program development. He introduces a powerful Human Resource Life Cycle Model for considering compensation and benefit programs… fully addresses issues related to acquisition, general compensation, equity compensation, and pension accounting… assesses the full financial impact of executive compensation and employee benefit programs… and discusses the unique issues associated with international HR programs. Finally, in People Analytics, Ben Waber helps you discover powerful hidden social "levers" and networks within your company, and tweak them to dramatically improve business performance and employee fulfillment. Drawing on his cutting-edge work at MIT and Harvard, Waber shows how sensors and analytics can give you an unprecedented understanding of how your people work and collaborate, and actionable insights for building a more effective, productive, and positive organization. Whatever your HR role, these 6 eBooks will help you apply today's most advanced innovations and best practices to optimize workplace performance -- and drive unprecedented business value. From world-renowned human resources experts Alison Davis, Jane Shannon, Wayne Cascio, John W. Boudreau, Steven Director, James C. Sesil, Bashker D. Biswas, and Ben Waber . Greater Allegheny Regional Industrial Purchasing Guide Asterisk The Future of Telephony "O'Reilly Media, Inc." Provides information on Asterisk, an open source telephony application. Asterisk: The Definitive Guide The Future of Telephony Is Now "O'Reilly Media, Inc." 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 edition shows you how to write a basic dialplan step-by-step, and brings you up to speed on the features in Asterisk 11, 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 Talk, 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) Plan for expansion by learning tools for building distributed systems The Essential Guide to Telecommunications Prentice Hall "Annabel Dodd has cogently untangled the wires and switches and technobabble of the telecommunications revolution and explained how the introduction of the word 'digital' into our legislative and regulatory lexicon will affect consumers, companies and society into the next millennium." – United States Senator Edward J. Markey of Massachusetts; Member, U.S. Senate Subcommittee on Communications, Technology, Innovation, and the Internet "Annabel Dodd has a unique knack for explaining complex technologies in understandable ways. This latest revision of her book covers the rapid changes in the fields of broadband, cellular, and streaming technologies; newly developing 5G networks; and the constant changes happening in both wired and wireless networks. This book is a must-read for anyone who wants to understand the rapidly evolving world of telecommunications in the 21st century!" – David Mash, Retired Senior Vice President for Innovation, Strategy, and Technology, Berklee College of Music Completely updated for current trends and technologies, The Essential Guide to Telecommunications, Sixth Edition, is the world's top-selling, accessible guide to the fast-changing global telecommunications industry. Writing in easy-to-understand language, Dodd demystifies today's most significant technologies, standards, architectures, and trends. She introduces leading providers worldwide, explains where they fit in the marketplace, and reveals their key strategies. New topics covered in this edition include: LTE Advanced and 5G wireless, modern security threats and countermeasures, emerging applications, and breakthrough techniques for building more scalable, manageable networks. Gain a practical understanding of

modern cellular, Wi-Fi, Internet, cloud, and carrier technologies Discover how key technical, business, and regulatory innovations are changing the industry See how streaming video, social media, cloud computing, smartphones, and the Internet of Things are transforming networks Explore growing concerns about security and privacy, and review modern strategies for detecting and mitigating network breaches Learn how Software Defined Networks (SDN) and Network Function Virtualization (NFV) add intelligence to networks, enabling automation, flexible configurations, and advanced networks Preview cutting-edge, telecom-enabled applications and gear–from mobile payments to drones Whether you're an aspiring network engineer looking for a broad understanding of the industry, or a salesperson, marketer, investor, or customer, this indispensable guide provides everything you need to know about telecommunications right now. This new edition is ideal for both self-study and classroom instruction. Register your product for convenient access to downloads, updates, and/or corrections as they become available. CIW Server Administration Study Guide Exam 1D0-450 John Wiley & Sons Here's the book you need to prepare for Exam 1D0-450, CIW Server Administrator. This Study Guide provides: In-depth coverage of official exam objective groups Practical information on managing Hundreds of challenging review questions, in the book and on the CD Leading-edge exam preparation software, including a testing engine and electronic flashcards Authoritative coverage of all exam topics, including: Creating password policies and permissions Implementing the Domain Name System (DNS) Selecting and implementing popular web servers Performing Secure Sockets Layer (SSL) transactions Analyzing server and service logs Evaluating system performance Configuring and managing news servers and e-mail servers Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. Linux Networking Cookbook From Asterisk to Zebra with Easy-to-Use Recipes "O'Reilly Media, Inc." 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. The Official Railway Guide North American Freight Service Edition Distance Education for Teacher Training Routledge First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company. Implementing Cisco IP Telephony and Video, Part 1 (CIPTV1) Foundation Learning Guide (CCNP Collaboration Exam 300-070 CIPTV1) Cisco Press Now fully updated for Cisco's new CIPTV1 300-070 exam Implementing Cisco IP Telephony and Video, Part 1(CIPTV1) Foundation Learning Guide is your Cisco�authorized learning tool for CCNP� Collaboration preparation. Part of the Cisco Press Foundation Learning Series, it teaches essential knowledge and skills for building and maintaining a robust and scalable Cisco Collaboration solution. The authors focus on deploying the Cisco Unified Communications Manager (CUCM), CUCM features, CUCM based call routing, Cisco IOS Voice Gateways, Cisco Unified Border Element (CUBE), and Quality of Service (QoS). They introduce each key challenge associated with configuring CUCM, implementing gateways and CUBE, and building dial plans to place on-net and off-net calls using traditional numbered dial plans and Uniform Resource Identifiers (URIs). They show how to implement conferencing and other media resources, and prepare you to apply QoS features for voice and video. Each chapter opens with a topic list that clearly identifies its focus, ends with a quick-study summary of key concepts, and presents review questions to assess and reinforce your understanding. The authors present Cisco best practices, and illustrate operations and problem solving via realistic examples. This guide is ideal for all certification candidates who want to master all the topics covered on the CIPTV1 300-070 exam. The official book for Cisco Networking Academy's new CCNP CIPTV1 course includes all new Learning@ Cisco CIPTV1 e-Learning course content: Covers CUCM architecture, deployment models, and tradeoffs Walks through bringing CUCM online, deploying endpoints, and setting up users Explains how to create a solid IP Phone foundation for advanced services Covers dial plan elements, design, and implementation Reviews key call routing elements Explains digit manipulation Shows how to control user access Discusses audio/video resources and videoconferencing Covers QoS tools and preferential call handling Explains external connections via Cisco IOS Voice Gateways and CUBE Streamlines review with clear summaries, assessment questions, and objectives Lubrication A Practical Guide to Lubricant Selection Elsevier Lubrication: A Practical Guide to Lubricant Selection provides a guide to modern lubrication practice in industry, with emphasis on practical application, selection of lubricants, and significant factors that determine suitability of a lubricant for a specific application. Organized into 13 chapters, this book begins with a brief theoretical opening chapter on the basic principles of lubrication. A chapter then explains the choice of lubricant type, indicating how to decide whether to use oil, grease, dry lubricant, or gas lubrication. Subsequent chapters deal with detailed selection of lubricating oils, oil systems, oil changing, greases, dry lubricants, gas lubrication, sealing, testing, monitoring, and handling of lubricants. The final chapter describes the main hazards associated with lubricants and some of the techniques for controlling those hazards. This book will be of value to technical staffs who use lubricants in their work; to students of mechanical, production, or maintenance engineering; and to others, such as buyers and storekeepers concerned with lubricants. Cement Production Technology Principles and Practice CRC Press The book is an outcome of the author's active professional involvement in research, manufacture and consultancy in the field of

cement chemistry and process engineering. This multidisciplinary title on cement production technology covers the entire process spectrum of cement production, starting from extraction and winning of natural raw materials to the finished products including the environmental impacts and research trends. The book has an overtone of practice supported by the back-up principles. Mergers, Acquisitions, and Other Restructuring Activities An Integrated Approach to Process, Tools, Cases, and Solutions Academic Press Two strengths distinguish this textbook from others. One is its presentation of subjects in the contexts wherein they occur. The other is its use of current events. Other improvements have shortened and simplified chapters, increased the numbers and types of pedagogical supplements, and expanded the international appeal of examples. Teaching in Nursing A Guide for Faculty Elsevier Health Sciences Prepare for success as a nurse educator. Recommended by the National League for Nursing for comprehensive Certified Nurse Educator preparation, this resource is the only book of its kind to cover all three components of teaching: instruction, curriculum, and evaluation. As it walks you through the day-to-day challenges of teaching, it provides guidance on such topics curriculum and test development, diverse learning styles, the redesign of healthcare systems, and advancements in technology and information. This new edition adds updated information reflecting the latest trends and advances in both education and nursing.--Adapted from back cover. Teaching in Nursing - E-Book A Guide for Faculty Elsevier Health Sciences Set yourself up for success as a nurse educator with the award-winning Teaching in Nursing: A Guide for Faculty, 5th Edition. Recommended by the NLN for comprehensive CNE prep, this insightful text is the only one of its kind to cover all three components of teaching: instruction, curriculum, and evaluation. As it walks through the day-to-day challenges of teaching, readers will benefit from its expert guidance on key issues, such as curriculum and test development, diverse learning styles, the redesign of healthcare systems, and advancements in technology and information. This new edition contains all the helpful narrative that earned this title an AJN Book of the Year award, along with updated information on technology-empowered learning, the flipped classroom, interprofessional collaborative practice, and much more. Coverage of concept-based curricula includes strategies on how to approach and implement concept-based lessons. Extensive information on online education discusses the use of webinars and other practical guidance for effective online instruction. Evidence-based teaching boxes cover issues, such as: how to do evidence-based teaching; applications of evidence-based teaching; implications for faculty development, administration, and the institution; and how to use the open-ended application questions at the end of each chapter for faculty-guided discussion. Strategies to promote critical thinking and active learning are incorporated throughout the text, highlighting various evaluation techniques, lesson planning insights, and tips for developing examinations. Updated research and references address forward-thinking approaches to education and trends for the future. Guidance on teaching in diverse settings addresses topics such as the models of clinical teaching, teaching in interdisciplinary settings, how to evaluate students in the clinical setting, and how to adapt teaching for community-based practice. Strong focus on practical content — including extensive coverage of curriculum development — equips future educators to handle the daily challenges and opportunities of teaching. NEW! Chapter on Interprofessional Education and Collaborative Practice focuses on the collaboration of care across patient care providers, emphasizing clear communication and shared patient outcomes. NEW! Renamed unit on Curriculum as a Process better reflects the latest QSEN competencies and other leading national standards. NEW! Renamed unit on Technology-Empowered Learning covers the use of technology for learning — including non-traditional course formats, active learning, flipped classrooms, and more. Speech and Audio Processing for Coding, Enhancement and Recognition Springer 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. MCSE NT Workstation 4.0 Study Guide (exam 70-73) McGraw-Hill Osborne Media Here is everything readers need to prepare for Microsoft's Implementing and Supporting Microsoft Windows NT Workstation 4.0 certification exam, including how to configure, customize, and troubleshoot the popular operating system. The CD-ROM includes six individual exams providing more simple questions than any other study guide and links to related material in the completely searchable electronic version of the book. More Money Than God Hedge Funds and the Making of the New Elite A&C Black The first book of its kind: a fascinating and entertaining examination of hedge funds today Shortlisted for the Financial Times/Goldman Sachs Business Book of the Year Award The New York Times bestseller Architecting Modern Data Platforms A Guide to Enterprise Hadoop at Scale O'Reilly Media There's a lot of information about big data technologies, but splicing these technologies into an end-to-end enterprise data platform is a daunting task not widely covered. With this practical book, you'll learn how to build big data infrastructure both on-premises and in the cloud and successfully architect a modern data platform. Ideal for enterprise architects, IT managers, application architects, and data engineers, this book shows you how to overcome the many challenges that emerge during Hadoop projects. You'll explore the vast landscape of tools available in the Hadoop and big data realm in a thorough technical primer before diving into: Infrastructure: Look at all component layers in a modern data platform, from the server to the data center, to establish a solid foundation for data in your enterprise Platform: Understand aspects of deployment, operation, security, high availability, and disaster recovery, along with everything you need to know to integrate your platform with the rest of your enterprise IT Taking Hadoop to the cloud: Learn the important architectural aspects of running a big data platform in the cloud while maintaining enterprise security and high availability FreeSWITCH 1.2 Packt Publishing Ltd This book is full of practical code examples aimed at a beginner to ease his or her learning curve.This book is written for IT professionals and enthusiasts who are interested in quickly getting a powerful telephony system up and running using the free and open source application, FreeSWITCH.Telephony experience will be helpful, but not required. European Dental Guide Audiovisual Market Place A Multimedia Guide Switching to VoIP "O'Reilly Media, Inc." More and more businesses today

have their receive phone service through Internet instead of local phone company lines. Many businesses are also using their internal local and wide-area network infrastructure to replace legacy enterprise telephone networks. This migration to a single network carrying voice and data is called convergence, and it's revolutionizing the world of telecommunications by slashing costs and empowering users. The technology of families driving this convergence is called VoIP, or Voice over IP. VoIP has advanced Internet-based telephony to a viable solution, piquing the interest of companies small and large. The primary reason for migrating to VoIP is cost, as it equalizes the costs of long distance calls, local calls, and e-mails to fractions of a penny per use. But the real enterprise turn-on is how VoIP empowersbusinesses to mold and customize telecom and datacom solutions using a single, cohesive networking platform. These business drivers are so compelling that legacy telephony is going the way of the dinosaur, yielding to Voice over IP as the dominant enterprise communications paradigm. Developed from real-world experience by a senior developer, O'Reilly's Switching to VoIP provides solutions for the most common VoIP migration challenges. So if you're a network professional who is migrating from a traditional telephony system to a modern, feature-rich network, this book is a must-have. You'lldiscover the strengths and weaknesses of circuit-switched and packet-switched networks, how VoIP systems impact network infrastructure, as well as solutions for common challenges involved with IP voice migrations. Among the challenges discussed and projects presented: building a softPBX configuring IP phones ensuring quality of service scalability standards-compliance topological considerations coordinating a complete system ?switchover? migrating applications like voicemail and directoryservices retro-interfacing to traditional telephony supporting mobile users security and survivability dealing with the challenges of NAT To help you grasp the core principles at work, Switching to VoIP uses a combination of strategy and hands-on "how-to" that introduce VoIP routers and media gateways, various makes of IP telephone equipment, legacy analog phones, IPTables and Linux firewalls, and the Asterisk open source PBX software by Digium.You'll learn how to build an IP-based or legacy-compatible phone system and voicemail system complete with e-mail integration while becoming familiar with VoIP protocols and devices. Switching to VoIP remains vendor-neutral and advocates standards, not brands. Some of the standards explored include: SIP H.323, SCCP, and IAX Voice codecs 802.3af Type of Service, IP precedence, DiffServ, and RSVP 802.1a/b/g WLAN If VoIP has your attention, like so many others, then Switching to VoIP will help you build your own system, install it, and begin making calls. It's the only thing left between you and a modern telecom network. ASP.NET Core Application Development Building an application in four sprints Microsoft Press This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through four complete sprints, this book takes you through every step needed to build brand new cross-platform web apps with ASP.NET Core, and make them available on the Internet. You won't just master Microsoft's revolutionary open source ASP.NET Core technology: you'll learn how to integrate the immense power of MVC, Docker, Azure Web Apps, Visual Studio and Visual Studio Code, C#, JavaScript, TypeScript, and Entity Framework. Working through the authors' carefully designed sprints, you'll start with a blank canvas, move through software architecture and design, adjusting to user feedback, recovering from mistakes, builds, testing, deployment, maintenance, refactoring, and more. Along the way, you'll learn techniques for delivering state-of-the-art software to users more rapidly and repeatably than ever before. Teaching and Learning the European Union Traditional and Innovative Methods Springer Science & Business Media This volume examines the EU's changing educational context and its challenges. Based on an extensive survey of more than 2000 European Studies courses in 30 European countries, it maps and analyses the features of teaching methodologies as they emerge from both disciplinary as well as interdisciplinary curricula. It presents a series of case studies on some of the most-used innovative teaching tools emerging in the field such as simulation games, e-learning, problem based learning, blended learning, and learning through the use of social networks. Based on the contributors' own experiences and academic research, the book examines both strengths and possible pitfalls of these increasingly popular methods. The book's critical approach will inspire educators and scholars committed to improving the teaching methods and tools in the area of European Studies and other programmes of higher education facing similar challenges. Government Reports Annual Index Chemical Guide to the United States, 1989-1990 William Andrew Official Opinions of the Attorneys General of the United States Advising the President and Heads of Departments in Relation to Their Official Duties Regional Industrial Buying Guide Greater Allegheny Software Architecture 2 John Wiley & Sons 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. Arduino: A Quick-Start Guide Pragmatic Bookshelf Arduino is an open-source platform that makes DIY electronics projects easier than ever. Gone are the days when you had to learn electronics theory and arcane programming languages before you could even get an LED to blink. Now, with this new edition of the bestsellingArduino: A Quick-Start Guide, readers with no electronics experience can create their first gadgets quickly. This book is up-to-date for the new Arduino Zero board, with step-by-step instructions for building a universal remote, a motion-sensing game controller, and many other fun, useful projects. This Quick-Start Guide is packed with fun, useful devices to create, with step-by-step instructions and photos throughout. You'll learn how to connect your Arduino to the Internet and program both client and server applications. You'll build projects such as your own motion-sensing game controller with a three-axis accelerometer, create a universal remote with an Arduino and a few cheap parts, build your own burglar alarm that emails you whenever someone's moving in your living room, build binary dice, and learn how to solder. In one of several new projects in this edition, you'll create your own video game console that

you can connect to your TV set. This book is completely updated for the new Arduino Zero board and the latest advances in supporting software and tools for the Arduino. Sidebars throughout the book point you to exciting real-world projects using the Arduino, exercises extend your skills, and "What If It Doesn't Work" sections help you troubleshoot common problems. With this book, beginners can quickly join the worldwide community of hobbyists and professionals who use the Arduino to prototype and develop fun, useful inventions. What You Need: This is the full list of all parts you'd need for all projects in the book; some of these are provided as part of various kits that are available on the web, or you can purchase individually. Sources include adafruit.com, makershed.com, radioshack.com, sparkfun.com, and mouser.com. Please note we do not support or endorse any of these vendors, but we list them here as aconvenience for you. Arduino Zero (or Uno or Duemilanove or Diecimila) board USB cable Half-size breadboard Pack of LEDs (at least 3, 10 or more is a good idea) Pack of 100 ohm, 10k ohm, and 1k ohm resistors Four pushbuttons Breadboard jumper wire / connector wire Parallax Ping))) sensor Passive Infrared sensor An infrared LED A 5V servo motor Analog Devices TMP36 temperature sensor ADXL335 accelerometer breakout board 6 pin 0.1" standard header (might be included with the ADXL335) Nintendo Nunchuk Controller Arduino Ethernet shield Arduino Proto shield and a tiny breadboard (optional but recommended) Piezo speaker/buzzer (optional) Tilt sensor (optional) A 25-30 Watts soldering iron with a tip (preferrably 1/16") A soldering stand and a sponge A standard 60/40 solder (rosin-core) spool for electronics work Ccnp Collaboration Core Clcor 350-801 Official Certification Guide CCNP and CCIE Collaboration Core CLCOR 350-801 Official Cert Guide presents you with an organised test preparation routine through the use of proven series elements and techniques. Do I Know This Already? quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. CCNP and CCIE Collaboration Core CLCOR 350-801 Official Cert Guide focuses specifically on the objectives for the Cisco CCNP/CCIE CLCOR 350-801 exam. Collaboration expert Jason Ball shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. This complete study package includes A test-preparation routine proven to help you pass the exams Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending Key Topic tables, which help you drill on key concepts you must know thoroughly Practice exercises that help you enhance your knowledge More than 60 minutes of video mentoring from the author An online interactive Flash Cards application to help you drill on Key Terms by chapter A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you organise and optimise your study time Pottery & Porcelain A Guide to Collectors; Containing Nearly Two Hundred Illustrations of Specimens of Various Factories, Nine Coloured Plates, and Marks and Monograms of All the Important Makers Stock Guide Telemedicine in the ICU Springer 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.