

Cisco 7942 Quick Reference Guide

&> Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. Master Cisco CCNA Collaboration CIVND 210-065 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCNA Collaboration CIVND 210-065 Official Cert Guide. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCNA Collaboration CIVND 210-065 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert Cisco Collaboration engineers Brian Morgan and Jason Ball share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete, official study package includes A test-preparation routine proven to help you pass the exam "Do I Know This Already?" quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending exercises, which help you drill on key concepts you must know thoroughly The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports 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 organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCNA Collaboration CIVND 201-065 Official Cert Guide 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 www.cisco.com. The official study guide helps you master topics on the CCNA Collaboration CIVND 210-065 exam, including the following: Cisco Collaboration components and architecture Cisco Digital Media Suite, Digital Signs, Cisco Cast, and Show and Share Cisco video surveillance components and architectures Cisco IP Phones, desktop units, and Cisco Jabber Cisco TelePresence endpoint portfolio Cisco Edge Architecture including Expressway Multipoint, multisite, and multiway video conferencing features Cisco TelePresence MCU hardware and server family Cisco TelePresence management Cisco WebEx solutions

Cisco's authorized foundation learning self-study guide for the new CCNP CVOICE exam. * *Developed in conjunction with the Cisco certification team, the developers of the newest CCNP Voice exam and courses. *Fully covers planning, designing, and deploying Cisco VoIP networks, and integrating gateways, gatekeepers, and QoS into them. *Includes extensive new coverage of QoSContains many self-assessment review questions and configuration examples. This is Cisco's authorized, self-paced, foundation learning tool for the latest version of the Cisco Voice over IP (CVOICE) exam, required for the new CCNP Voice certification. It covers all the knowledge and skills needed to plan, design, and deploy Cisco voice-over-IP (VoIP) networks, and to integrate gateways, gatekeepers, and QoS into enterprise VoIP networks. As an Authorized Self-Study Guide, it fully reflects the content of the newest version of the Cisco CVOICE course. Each chapter ends with questions designed to help readers assess their understanding as they prepare for the exam. This edition has been reorganized for greater effectiveness, offers deeper coverage of key CVOICE exam topics, and eliminates older material that has been removed from the exam. Three new chapters have been added to cover: * *Supporting Cisco IP Phones with Cisco Unified Communications Manager Express. *Quality of Service (QoS) fundamentals. *Configuring QoS Mechanisms.

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 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.

The ultimate guide to the new CCNA voice network administrator certification exam The new CCNA Voice exam tests candidates on their ability to implement a Cisco VoIP solution. Network administrators of voice systems will appreciate that the CCNA Voice Study Guide focuses completely on the information required by the exam. Along with hands-on labs and an objective map showing where each objective is covered, this guide includes a CD with the Sybex Test Engine, flashcards, and entire book in PDF format. The new CCNA Voice certification will be valuable for administrators of voice network systems using Cisco VoIP solutions From Sybex, the leading CCNA publisher, this guide offers in-depth coverage of every exam objective and the technology developed by Cisco for VoIP systems Covers the components of the Cisco Unified Communications Architecture as well as PSTN and VoIP components and technologies Shows how to configure gateways, voice ports, and dial peers Demonstrates how to configure a Cisco network to support VoIP and implement voicemail CD-ROM includes the Sybex Test Engine, flashcards, and entire book in PDF format CCNA Voice Study Guide will thoroughly prepare candidates for the new CCNA Voice certification. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This IBM Redbooks publication focuses on the technology, serviceability, and features that are used by the IBM eServer p5 and IBM System p5 servers, which allow you to make your server one of the most reliable and available parts of your IT infrastructure. This book explains how the server availability can be improved by: - Proper planning of the server environment and configuration - Understanding the role of the service processors and firmware components, and how they can be best configured and managed -Using high availability and redundancy features provided by the AIX 5L operating system and the Virtual IO server This book contains many detailed examples and step-by-step scenarios of usual server operation and maintenance tasks, such as the setup of redundant HMC and service processors, firmware upgrades, hot-addition of RIO drawers, or configuration of redundant Virtual IO servers. This book is intended for architects, specialists, and system administrators who are responsible for planning or developing an availability strategy for IBM System p servers.

This IBM Redbooks publication focuses on the differences introduced in AIX 5L Version 5.3 when compared to AIX 5L Version 5.2. It is intended to help system administrators, developers, and users understand these enhancements and evaluate potential benefits in their own environments. AIX 5L Version 5.3 introduces many new features, including NFS Version 4 and Advanced Accounting, and exploits the advanced capabilities of POWER5 equipped servers, such as Virtual SCSI, Virtual Ethernet SMT, Micro-Partitioning, and others. There are many other enhancements available with AIX 5L Version 5.3, and you can explore them in this book. For customers who are not familiar with the enhancements of AIX 5L through Version 5.2, a companion publication, AIX 5L Differences Guide Version 5.2 Edition, SG24-5765 is available.

Digital business has been driving the transformation of underlying IT infrastructure to be more efficient, secure, adaptive, and integrated. Information Technology (IT) must be able to handle the explosive growth of mobile clients and employees. IT also must be able to use enormous amounts of data to provide deep and real-time insights to help achieve the greatest business impact. This IBM® Redbooks® publication addresses the IBM Mainframe, the IBM z13™. The IBM z13 is the trusted enterprise platform for integrating data, transactions, and insight. A data-centric infrastructure must always be available with a 99.999% or better availability, have flawless data integrity, and be secured from misuse. It needs to be an integrated infrastructure that can support new applications. It needs to have integrated capabilities that can provide new mobile capabilities with real-time analytics delivered by a secure cloud infrastructure. IBM z13 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows the z13 to deliver a record level of capacity over the prior IBM z Systems™. In its maximum configuration, z13 is powered by up to 141 client characterizable microprocessors (cores) running at 5 GHz. This configuration can run more than 110,000 millions of instructions per second (MIPS) and up to 10 TB of client memory. The IBM z13 Model NE1 is estimated to provide up to 40% more total system capacity than the IBM zEnterprise® EC12 (zEC1) Model HA1. This book provides information about the IBM z13 and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand the IBM z Systems functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM z Systems technology and terminology.

Apply important legal concepts and skills you need to succeed Get educated, land a job, and start making money now! Want a new career as a paralegal but don't know where to start? Relax! Paralegal Career For Dummies is the practical, hands-on guide to all the basics -- from getting certified to landing a job and getting ahead. Inside, you'll find all the tools you need to succeed, including a CD packed with sample memos, forms, letters, and more! Discover how to * Secure your ideal paralegal position * Pick the right area of the law for you * Prepare documents for litigation * Conduct legal research * Manage a typical law office Sample resumes, letters, forms, legal documents, and links to online legal resources. Please see the CD-ROM appendix for details and complete system requirements.

This publication calls all urban stakeholders to invest in child-responsive urban planning, recognizing that cities are not only drivers of prosperity, but also of inequity. Through 10 Children's Rights and Urban Planning principles, the handbook presents concepts, evidence, tools and promising practices to create thriving and equitable cities where children live in healthy, safe, inclusive, green and prosperous communities. By focusing on children, it provides guidance on the central role that urban planning should play in achieving the Sustainable Development Goals, from a global perspective to a local context. CCIE Routing and Switching v4.0 Troubleshooting Practice Labs presents you with two full troubleshooting lab scenarios in exam style format to echo the real CCIE Routing and Switching v4.0 lab exam. This

publication gives you the opportunity to put into practice your own extensive theoretical knowledge of subjects to find out how they interact with each other on a larger complex scale. Each section has an "Ask the Proctor" section list of questions that helps provide clarity and maintains direction to ensure you do not give up and check the answers directly if you find a task too challenging. After each lab, this eBook lets you compare configurations and routing tables with the required answers. You can also run through a lab de-brief, view configurations, and cut and paste configs into your own lab equipment for testing and verification. The point scoring for each question lets you know if you passed or failed each lab. This extensive set of practice labs that sell for hundreds of dollars elsewhere help you make sure you are fully prepared for the grueling CCIE lab exam experience.

The fifth edition of "Numerical Methods for Engineers" continues its tradition of excellence. Instructors love this text because it is a comprehensive text that is easy to teach from. Students love it because it is written for them--with great pedagogy and clear explanations and examples throughout. The text features a broad array of applications, including all engineering disciplines. The revision retains the successful pedagogy of the prior editions. Chapra and Canale's unique approach opens each part of the text with sections called Motivation, Mathematical Background, and Orientation, preparing the student for what is to come in a motivating and engaging manner. Each part closes with an Epilogue containing sections called Trade-Offs, Important Relationships and Formulas, and Advanced Methods and Additional References. Much more than a summary, the Epilogue deepens understanding of what has been learned and provides a peek into more advanced methods. Approximately 80% of the end-of-chapter problems are revised or new to this edition. The expanded breadth of engineering disciplines covered is especially evident in the problems, which now cover such areas as biotechnology and biomedical engineering. Users will find use of software packages, specifically MATLAB and Excel with VBA. This includes material on developing MATLAB m-files and VBA macros.

A complete guide to operating a corporate treasury from a global perspective For CFOs and treasurers looking to re-align their treasuries with the growth of the global firm, bankers who seek to maximize the value they create for clients, treasury and finance firm employees, and even finance students, this book provides an easy-to-read approach to this exciting and increasingly complex world. It includes a toolkit that gives practitioners a reference point that they can adapt immediately for use in their firms, providing a low-cost, high-efficiency advisory solution they previously lacked. Offers a uniquely global perspective unlike most books on the subject, which tend to focus on the US market Incorporates a bottom-up, segmented approach that uses fundamental building blocks to form a comprehensive overview of corporate treasury Includes a toolkit that provides a ready foundation for learning based on checklists, templates, and scorecards that can be adapted and customized to the needs of an individual firm Written by an author with more than 13 years working in different aspects of corporate and institutional banking, from capital markets to transaction services Written by an author who has spent many years working The Handbook of Global Corporate Treasury serves as a ready reference for anyone interested in the nuances and practicalities of the complex world of corporate treasury.

bull; Prepare for the grueling one-day CCIE lab exam with 10 comprehensive practice labs bull; Focus your learning into scenarios that mimic the actual exam setting bull; Written by a CCIE lab exam proctor, and approved and endorsed by the CCIE Routing and Switching program manager

The latest techniques for averting UC disaster Establish a holistic security stance by learning to view your unified communications infrastructure through the eyes of the nefarious cyber-criminal. Hacking Exposed Unified Communications & VoIP, Second Edition offers thoroughly expanded coverage of today's rampant threats alongside ready-to deploy countermeasures. Find out how to block TDoS, toll fraud, voice SPAM, voice social engineering and phishing, eavesdropping, and man-in-the-middle exploits. This comprehensive guide features all-new chapters, case studies, and examples. See how hackers target vulnerable UC devices and entire networks Defend against TDoS, toll fraud, and service abuse Block calling number hacks and calling number spoofing Thwart voice social engineering and phishing exploits Employ voice spam mitigation products and filters Fortify Cisco Unified Communications Manager Use encryption to prevent eavesdropping and MITM attacks Avoid injection of malicious audio, video, and media files Use fuzzers to test and buttress your VoIP applications Learn about emerging technologies such as Microsoft Lync, OTT UC, other forms of UC, and cloud and WebRTC

This IBM® Redbooks® publication provides advice and technical information about optimizing and tuning application code to run on systems that are based on the IBM POWER7® and POWER7+™ processors. This advice is drawn from application optimization efforts across many different types of code that runs under the IBM AIX® and Linux operating systems, focusing on the more pervasive performance opportunities that are identified, and how to capitalize on them. The technical information was developed by a set of domain experts at IBM. The focus of this book is to gather the right technical information, and lay out simple guidance for optimizing code performance on the IBM POWER7 and POWER7+ systems that run the AIX or Linux operating systems. This book contains a large amount of straightforward performance optimization that can be performed with minimal effort and without previous experience or in-depth knowledge. This optimization work can: Improve the performance of the application that is being optimized for the POWER7 system Carry over improvements to systems that are based on related processor chips Improve performance on other platforms The audience of this book is those personnel who are responsible for performing migration and implementation activities on IBM POWER7-based servers, which includes system administrators, system architects, network administrators, information architects, and database administrators (DBAs).

The Visual Analogy Guides to Human Anatomy & Physiology, 3e is an affordable and effective study aid for students enrolled in an introductory anatomy and physiology sequence of courses. This book uses visual analogies to assist the student in learning the details of human anatomy and physiology. Using these analogies, students can take things they already know from experiences in everyday life and apply them to anatomical structures and physiological concepts with which they are unfamiliar. The study guide offers a variety of learning activities for students such as, labeling diagrams, creating their own drawings, or coloring existing black-and-white illustrations to better understand the material presented.

This comprehensive guide details available internetworking alternatives. It provides the reader with the most current technologies for WANS and teaches how to effectively implement these technologies on a network.

Technology is constantly evolving and can now aid society with the quest for knowledge in education systems. It is important to integrate the most recent technological advances into curriculums and classrooms, so the learning process can evolve just as technology has done. The Handbook of Research on Transformative Digital Content and Learning Technologies provides fresh insight into the most recent advancements and issues regarding educational technologies in contemporary classroom environments. Featuring detailed coverage on a variety of topics, such as mobile technology integration, ICT literacy integration, digital wellness, online group counseling, and distance learning, this publication will appeal to researchers and practitioners who are interested in discovering more about technological integration in education.

CCIE Routing and Switching v4.0 Configuration Practice Labs Martin James Duggan ISBN-10: 1-58714-213-9 ISBN-13: 978-1-58714-213-0 CCIE Routing and Switching v4.0 Configuration Practice Labs presents you with three full configuration lab scenarios in exam style format to echo the real CCIE Routing and Switching v4.0 lab exam. This publication gives you the

opportunity to put into practice your own extensive theoretical knowledge of subjects to find out how they interact with each other on a larger complex scale. An “Ask the Proctor” section list of questions for each section helps provide clarity and maintain direction to ensure that you do not give up and check the answers directly if you find a task too challenging. After each lab, this eBook lets you compare configurations and routing tables with the required answers. You also can run through a lab de-brief, view configurations, and cut and paste configs into your own lab equipment for testing and verification. The point scoring for each question lets you know whether you passed or failed each lab. This extensive set of practice labs that sell for hundreds of dollars elsewhere helps you make sure you are fully prepared for the grueling CCIE lab exam experience.

Go beyond layer 2 broadcast domains with this in-depth tour of advanced link and internetwork layer protocols, and learn how they enable you to expand to larger topologies. An ideal follow-up to Packet Guide to Core Network Protocols, this concise guide dissects several of these protocols to explain their structure and operation. This isn't a book on packet theory. Author Bruce Hartpence built topologies in a lab as he wrote this guide, and each chapter includes several packet captures. You'll learn about protocol classification, static vs. dynamic topologies, and reasons for installing a particular route. This guide covers: Host routing—Process a routing table and learn how traffic starts out across a network Static routing—Build router routing tables and understand how forwarding decisions are made and processed Spanning Tree Protocol—Learn how this protocol is an integral part of every network containing switches Virtual Local Area Networks—Use VLANs to address the limitations of layer 2 networks Trunking—Get an indepth look at VLAN tagging and the 802.1Q protocol Routing Information Protocol—Understand how this distance vector protocol works in small, modern communication networks Open Shortest Path First—Discover why convergence times of OSPF and other link state protocols are improved over distance vectors

Experience centuries-old traditions and Japanese cuisine alongside modern architecture and technology! Japan exudes culture, natural wonders and history. In this Asian country, the modern lies next to the ancient. From tranquil zen gardens and peaceful pagodas to neon-lit cities and robot restaurants, Japan is a top destination for first-time and returning visitors. Take the new lightweight travel guide wherever you go on your journey through Japan. Inside the pages of Eyewitness Japan, you'll find: - A pick of Japan's must-sees, top experiences and hidden gems. - The best spots to eat, drink, shop and stay. - Detailed maps and walks make navigating the country easy. - Expert advice and easy-to-follow itineraries. - Color-coded chapters to every part of Japan, from Tokyo to Kyoto City, Hokkaido to Okinawa. Visit famous cities like Tokyo, see the cherry blossoms in Kyoto or shop until you drop in futuristic Shibuya. If history is what you're after, take a trip to Hiroshima and Nagasaki, or visit Nakanoshima Museum of Art. If you're keen on the countryside, jump a shinkansen and speed your way to bubbling hot springs, explore Japanese beaches or gasp at the majesty of Mount Fuji. And if that wasn't enough to entice you to visit, there's the food - perfect noodles, delicate sushi and warming hotpots. The updated guide brings Japan to life, transporting you there like no other travel guide does. It's packed with expert-led insights, trusted travel advice, detailed breakdowns of all the must-see sights, photographs on practically every page and our hand-drawn illustrations that place you inside the country's iconic buildings and neighborhoods. Discover more amazing holiday destinations DK Eyewitness is the most up-to-date travel guide series following the COVID-19 outbreak. Each guide includes expert-led insights into the world's most famous countries and cities, things to do and places to stay. Other books in the series include Eyewitness Tokyo and Eyewitness Croatia.

The enterprise data center has evolved dramatically in recent years. It has moved from a model that placed multiple data centers closer to users to a more centralized dynamic model. The factors influencing this evolution are varied but can mostly be attributed to regulatory, service level improvement, cost savings, and manageability. Multiple legal issues regarding the security of data housed in the data center have placed security requirements at the forefront of data center architecture. As the cost to operate data centers has increased, architectures have moved towards consolidation of servers and applications in order to better utilize assets and reduce "server sprawl." The more diverse and distributed the data center environment becomes, the more manageability becomes an issue. These factors have led to a trend of data center consolidation and resources on demand using technologies such as virtualization, higher WAN bandwidth technologies, and newer management technologies. The intended audience of this book is network architects and network administrators. In this IBM® Redbooks® publication we discuss the following topics: The current state of the data center network The business drivers making the case for change The unique capabilities and network requirements of system platforms The impact of server and storage consolidation on the data center network The functional overview of the main data center network virtualization and consolidation technologies The new data center network design landscape

Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. Master Cisco CCNP SWITCH 300-115 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCNP Routing and Switching SWITCH 300-115 Official Cert Guide. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCNP Routing and Switching SWITCH 300-115 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert engineer David Hucaby shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete, official study package includes A test-preparation routine proven to help you pass the exam Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending exercises, which help you drill on key concepts you must know thoroughly The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports More than 60 minutes of personal video mentoring from the author on important exam topics 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 organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review

questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCNP Routing and Switching SWITCH 300-115 Official Cert Guide 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 www.cisco.com. The official study guide helps you master topics on the CCNP R&S SWITCH 300-115 exam, including: Enterprise campus design Switch operation Switch port configuration VLANs, Trunks, and VLAN Trunking Protocol (VTP) Spanning Tree Protocol (STP), RSTP, and MSTP Protecting the STP topology Aggregating switch links Multilayer switching Configuring DHCP Logging switch activity and managing switches with SNMP Monitoring performance and traffic High availability Securing switched networks

The first edition of *Assessment Clear and Simple* quickly became the essential go-to guide for anyone who participates in the assessment process in higher education. With the increased pressure to perform assessment to demonstrate accountability, *Assessment Clear and Simple* is needed more than ever. This second edition of the classic resource offers a concise, step-by-step guide that helps make assessment simple, cost-efficient, and useful to an institution. It contains effective strategies for meeting the requirements of accreditation agencies, legislatures, review boards, and others, while emphasizing and showing how to move from data to actions that improve student learning. This thoroughly revised and updated edition includes many new or expanded features, including: Illustrative examples drawn from the author's experience consulting with more than 350 institutions A basic, no-frills assessment plan for departments and for general education Tips on how to integrate portfolios and e-portfolios into the assessment process Suggestions for using rubrics and alternatives to rubrics, including doing assessment for multidisciplinary work Clear instructions on how to construct a coherent institution-wide assessment system and explain it to accreditors Ideas for assigning responsibility for general education assessment Strategies for gathering information about departmental assessment while keeping the departmental workload manageable Information on how to manage assessment in times of budgetary cutbacks Praise for the Second Edition of *Assessment Clear and Simple* "Walvoord's approach to assessment is wonderfully straightforward; it is also effective in facilitating faculty engagement in assessment. We've applied a number of her methods to our campus assessment efforts with success. This book makes assessment both manageable and useful in improving and enhancing student learning."—Martha L. A. Stassen, director of assessment, University of Massachusetts, Amherst, and president, New England Educational Assessment Network (NEEAN) "Walvoord's work clearly presents the basics for getting started in assessment of student learning while honestly addressing the complexities of assessment when driven by faculty passion for student learning. This book is a valuable resource for the novice as well as the developing experts who are leading their institutions in academic assessment."—Bobbi Allen, faculty assessment director, Delta College

The ultimate command reference for configuring Cisco "RM" routers and switches. This guide presents the common elements of complex configurations for Cisco "RM" routers, switches, and firewalls in an intuitive, easy-to-reference format.

As a final exam preparation tool, the CCNA Voice Quick Reference provides a concise review of all objectives on the new IIUC exam (640-460). This digital Short Cut provides you with detailed, graphical-based information, highlighting only the key topics in cram-style format. With this document as your guide, you will review topics on concepts and commands that apply to Cisco Unified Communications for small and medium-sized businesses. This fact-filled Quick Reference allows you to get all-important information at a glance, helping you focus your study on areas of weakness and enhancing your memory retention of essential exam concepts.

In recent years, business leaders, policymakers, and inventors have complained to the media and to Congress that today's patent system stifles innovation instead of fostering it. But like the infamous patent on the peanut butter and jelly sandwich, much of the cited evidence about the patent system is pure anecdote--making realistic policy formation difficult. Is the patent system fundamentally broken, or can it be fixed with a few modest reforms? Moving beyond rhetoric, *Patent Failure* provides the first authoritative and comprehensive look at the economic performance of patents in forty years. James Bessen and Michael Meurer ask whether patents work well as property rights, and, if not, what institutional and legal reforms are necessary to make the patent system more effective. *Patent Failure* presents a wide range of empirical evidence from history, law, and economics. The book's findings are stark and conclusive. While patents do provide incentives to invest in research, development, and commercialization, for most businesses today, patents fail to provide predictable property rights. Instead, they produce costly disputes and excessive litigation that outweigh positive incentives. Only in some sectors, such as the pharmaceutical industry, do patents act as advertised, with their benefits outweighing the related costs. By showing how the patent system has fallen short in providing predictable legal boundaries, *Patent Failure* serves as a call for change in institutions and laws. There are no simple solutions, but Bessen and Meurer's reform proposals need to be heard. The health and competitiveness of the nation's economy depend on it.

This IBM® Redbooks® publication describes the new member of the IBM Z® family, IBM z14™. IBM z14 is the trusted enterprise platform for pervasive encryption, integrating data, transactions, and insights into the data. A data-centric infrastructure must always be available with a 99.999% or better availability, have flawless data integrity, and be secured from misuse. It also must be an integrated infrastructure that can support new applications. Finally, it must have integrated capabilities that can provide new mobile capabilities with real-time analytics that are delivered by a secure cloud infrastructure. IBM z14 servers are designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows z14 servers to deliver a record level of capacity over the prior IBM Z platforms. In its maximum configuration, z14 is

powered by up to 170 client characterizable microprocessors (cores) running at 5.2 GHz. This configuration can run more than 146,000 million instructions per second (MIPS) and up to 32 TB of client memory. The IBM z14 Model M05 is estimated to provide up to 35% more total system capacity than the IBM z13® Model NE1. This Redbooks publication provides information about IBM z14 and its functions, features, and associated software support. More information is offered in areas that are relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand the IBM Z servers functions and plan for their usage. It is intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM Z technology and terminology.

This volume of Advances in Intelligent and Soft Computing contains accepted papers presented at CISIS 2012 and ICEUTE 2012, both conferences held in the beautiful and historic city of Ostrava (Czech Republic), in September 2012. CISIS aims to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of Computational Intelligence, Information Security, and Data Mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a thorough peer-review process, the CISIS 2012 International Program Committee selected 30 papers which are published in these conference proceedings achieving an acceptance rate of 40%. In the case of ICEUTE 2012, the International Program Committee selected 4 papers which are published in these conference proceedings. The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high standard conference and the CISIS and ICEUTE conferences would not exist without their help.

The popularity of the Internet and the affordability of IT hardware and software have resulted in an explosion of applications, architectures, and platforms. Workloads have changed. Many applications, including mission-critical ones, are deployed on various platforms, and the IBM® System z® design has adapted to this change. It takes into account a wide range of factors, including compatibility and investment protection, to match the IT requirements of an enterprise. This IBM Redbooks® publication addresses the new IBM zEnterprise® System. This system consists of the IBM zEnterprise EC12 (zEC12), an updated IBM zEnterprise Unified Resource Manager, and the IBM zEnterprise BladeCenter® Extension (zBX) Model 003. The zEC12 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows the zEC12 to deliver a record level of capacity over the prior System z servers. It is powered by 120 of the world's most powerful microprocessors. These microprocessors run at 5.5 GHz and are capable of running more than 75,000 millions of instructions per second (MIPS). The zEC12 Model HA1 is estimated to provide up to 50% more total system capacity than the IBM zEnterprise 196 (z196) Model M80. The zBX Model 003 infrastructure works with the zEC12 to enhance System z virtualization and management. It does so through an integrated hardware platform that spans mainframe, IBM POWER7®, and IBM System x® technologies. Through the Unified Resource Manager, the zEnterprise System is managed as a single pool of resources, integrating system and workload management across the environment. This book provides information about the zEnterprise System and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand the zEnterprise System functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM System z® technology and terminology.

IBM® PowerVM® virtualization technology is a combination of hardware and software that supports and manages the virtual environments on POWER5-, POWER5+, IBM POWER6®, and IBM POWER7®-based systems. PowerVM is available on IBM Power Systems™, and IBM BladeCenter® servers as optional Editions, and is supported by the IBM AIX®, IBM i, and Linux operating systems. You can use this set of comprehensive systems technologies and services to aggregate and manage resources by using a consolidated, logical view. Deploying PowerVM virtualization and IBM Power Systems offers you the following benefits: Lower energy costs through server consolidation Reduced cost of your existing infrastructure Better management of the growth, complexity, and risk of your infrastructure This IBM Redbooks® publication is an extension of IBM PowerVM Virtualization Introduction and Configuration, SG24-7940. It provides an organized view of best practices for managing and monitoring your PowerVM environment concerning virtualized resources managed by the Virtual I/O Server.

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