Ccnp Tshoot 642 832 Official Certification Guide

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Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Foundation Learning Guide
Pearson IT Certification
This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. 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 the CCNP® SWITCH 642-813 exam with this official study guide Assess your knowledge with chapter-opening quizzes Review key concepts with Exam Preparation Tasks CCNP SWITCH 642-813 Official Certification Guide is a best-of-breed Cisco® exam study guide that focuses specifically on the objectives for the CCNP® SWITCH exam. Network architect and best-selling author Dave Hucaby 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. CCNP SWITCH 642-813 Official Certification Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and allow you to decide how much time you need to spend on each section. The complete exam topic list makes referencing easy. Chapter-ending Exam Preparation Tasks sections help drill you on key concepts and commands you must know thoroughly. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. CCNP SWITCH 642-813 Official Certification 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/go/authorizedtraining. This official study guide helps you master all the topics on the CCNP SWITCH exam, including Network design, implementation, and verification plans Switch operation and port configuration VLANs, trunks, and VLAN Trunking Protocol (VTP) Aggregating switch links Spanning Tree Protocol (STP) Multilayer switching Enterprise campus network design Router and supervisor redundancy IP telephony Wireless LANs Switched network security This volume is part of the Official Certification Guide Series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears.

CCNP ROUTE 642-902 Official Certification Guide Pearson Education
The all-in-one practical guide to supporting Cisco networks using freeware tools.
CCNP TSHOOT 642-832 Official Certification Guide Pearson Education
800x600 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. CCENT/CCNA ICND1 100-105 Official Cert Guide, Academic Edition is a comprehensive textbook and study package that provides you with an introduction to foundational networking concepts and hands-on application. Best-selling author and expert instructor Wendell Odom shares study hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package includes A study routine proven to help you retain knowledge Chapter-ending summaries that provide a quick review of key topics Tons of review exercises, including memory tables, command summaries, key term definitions, mind mapping exercises, review questions, and more, which test your understanding and reinforce your knowledge Troubleshooting sections, which help you master complex, real-world scenarios A free copy of the eBook version of the text, available in PDF, EPUB, and Mobi (Kindle) formats The powerful Pearson IT Certification Practice Test Premium Edition software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, linking of all questions to the PDF eBook file, and detailed performance reports A free copy of the CCENT/CCNA ICND1 100-105 Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches Links to a series of hands-on config labs developed by the author Online interactive practice exercises that help you enhance your knowledge More than 90 minutes of video mentoring from the author A final preparation chapter that 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, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your success. This official study guide helps you master all the topics on the CCENT/CCNA ICND1 exam, including · Networking fundamentals · Implementing basic Ethernet LANs · Ethernet LANs: design, VLANs, and troubleshooting · IPv4 addressing and subnetting · Implementing IPv4 · IPv4 design and troubleshooting · IPv4 services: ACLs and NAT · IPv6 · Network device management The DVD contains more than 500 unique practice exam questions, ICND1 Network Simulator Lite software, online practice exercises, and 90 minutes of video training. Includes Exclusive Offers For Up to 70% Off Video Training and Network Simulator Software Pearson IT Certification Practice Test minimum system requirements: Windows 10, Windows 8.1, Windows 7, or Vista (SP2), Microsoft .NET Framework 4.5 Client; Pentium-class 1 GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases In addition to the wealth of updated content, this new edition includes a series of free hands-on exercises to help you master several real-world configuration and troubleshooting activities. These exercises can be performed on the CCENT/CCNA ICND1 100-105 Network Simulator Lite software included for free on the DVD or companion web page that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 24 free lab exercises, covering all the topics in Part II, the first hands-on configuration section of the book: 1. Configuring Hostnames 2. Configuring Local Usernames 3. Configuring Switch IP Settings 4. Interface Settings I 5. Interface Settings II 6. Interface Settings III 7. Interface Status I 8. Interface Status II 9. Interface Status III 10. Interface Status IV 11. Setting Switch Passwords 12. Switch CLI Configuration Process I 13. Switch CLI Configuration Process II 14. Switch CLI Exec Mode 15. Switch Forwarding I 16. Switch IP Address 17. Switch IP Connectivity I 18. Switch Security I 19. Switch Security II 20. Switch Security III 21. Switch Security IV 22. Switch Configuration Scenario 23. Switch Interfaces and Forwarding Configuration Scenario 24. Port Security Troubleshooting Scenario If you are interested in exploring more hands-on labs and practicing configuration and troubleshooting with more router and switch commands, see the special 50% discount offer in the coupon code included in the sleeve in the back of this book. Windows system requirements (minimum): · Windows 10 (32/64-bit), Windows 8.1 (32/64-bit), or Windows 7 (32/64-bit) · 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor · 1 GB RAM (32-bit) or 2 GB RAM (64-bit) · 16 GB available hard disk space (32-bit) or 20 GB (64-bit) · DirectX 9 graphics device with WDDM 1.0 or higher driver · Adobe Acrobat Reader version 8 and above Mac system requirements (minimum): · OS X 10.11, 10.10, 10.9, or 10.8 · Intel core Duo 1.83 GHz · 512 MB RAM (1 GB recommended) · 1.5 GB hard disk space · 32-bit color depth at 1024x768 resolution · Adobe Acrobat Reader version 8 and above

CCNA 200-301 Official Cert Guide, Volume 2 Pearson Education
JavaFX is a Java-based rich user interface technology that sits atop the existing Java Standard and Micro Editions. Using it, developers can build rich user interfaces with access to all Java components already installed on their systems. At its heart is the easy to learn JavaFX Script language that lets developers describe what they want to accomplish in clear, declarative terms rather than abstract code. JavaFX also provides numerous libraries to make development extremely fast and efficient. JavaFX in Action is a hands-on tutorial that introduces and explores JavaFX through numerous bite-sized projects. The book provides a solid grounding in the JavaFX syntax and related APIs by showing web developers how to apply the key features of the JavaFX platform. Readers quickly absorb the fundamentals of the technology while exploring the possibilities. JavaFX provides for creative, rich designs. Readers learn to transform variables and operators into bouncing raindrops, brilliant colors, and dancing interface components. They also learn how to interact with existing Java code to give old apps some new JavaFX sparkle. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

CCIE Routing and Switching Exam Certification Guide Cisco Press
Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ Core 1 (220-1001) and Core 2 (220-1002) exams. This is your all-in-one, real-world, full-color guide to connecting, managing, and troubleshooting modern devices and systems in authentic IT scenarios. Its thorough instruction built on the CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam objectives includes coverage of Windows 10, Mac, Linux, Chrome OS, Android, iOS, cloud-based software, mobile and IoT devices, security, Active Directory, scripting, and other modern techniques and best practices for IT management. Award-winning instructor Cheryl Schmidt also addresses widely-used legacy technologies—making this the definitive resource for mastering the tools and technologies you'll encounter in real IT and business environments. Schmidt's emphasis on both technical and soft skills will help you rapidly become a well-qualified, professional, and customer-friendly technician. LEARN MORE QUICKLY AND THOROUGHLY WITH THESE STUDY AND REVIEW TOOLS: Learning Objectives and chapter opening lists of CompTIA A+ Certification Exam Objectives make sure you know exactly what you'll be learning, and you cover all you need to know Hundreds of photos, figures, and tables present information in a visually compelling full-color design Practical Tech Tips provide real-world IT tech support knowledge Soft Skills best-practice advice and team-building activities in every chapter cover key tools and skills for becoming a professional, customer-friendly technician Review Questions—including true/false, multiple choice, matching, fill-in-the-blank, and open-ended questions—carefully assess your knowledge of each learning objective Thought-provoking activities help students apply and reinforce chapter content, and allow instructors to "flip" the classroom if they choose Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the facts to deeper understanding Chapter Summaries recap key concepts for more efficient studying Certification Exam Tips provide insight into the certification exam and preparation process

CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide Cisco Press
As a final exam preparation tool, the CCNP TSHOOT 642-832 Quick Reference provides a concise review of all objectives on the new CCNP TSHOOT exam (642-832). This eBook 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 maintaining networks, troubleshooting methodologies and tools, and troubleshooting practices for switches, routing, and security. This fact-filled Quick Reference allows you to get all-important information at a glance, helping you to focus your study on areas of weakness and to enhance memory retention of essential exam concepts.

CCNP Routing and Switching Official Certification Library Cisco Press
How to master CCNP TSHOOT shows you, step-by-step, everything that could possibly go wrong with protocols like OSPF, EIGRP, NAT, BGP and everything else you learned in CCNA and CCNP ROUTE & SWITCH so far. More importantly, you will learn how to troubleshoot them so that you will master the CCNP TSHOOT exam! Plus you'll receive an overview of troubleshooting labs that you should practice from GNS3vault.com.

CCNP SWITCH 642-813 Official Certification Guide Cisco Press
To complement the CompTIA Network+ Study Guide: Exam N10-007, 4e, and the CompTIA Network+ Deluxe Study Guide: Exam N10-007, 4e, look at CompTIA Network+ Practice Tests: Exam N10-007 (9781119432128). Todd Lammle's bestselling CompTIA Network+ Study Guide for the N10-007 exam! CompTIA's Network+ certification tells the world you have the skills to install, configure, and troubleshoot today's basic networking hardware peripherals and protocols. First, however, you have to pass the exam! This detailed CompTIA Authorized study guide by networking guru Todd Lammle has everything you need to prepare for the CompTIA Network+ Exam N10-007. Todd covers all exam objectives, explains key topics, offers plenty of practical examples, and draws upon his own invaluable 30 years of networking experience to help you learn. The Study Guide prepares you for Exam N10-007, the new CompTIA Network+ Exam: Covers all exam objectives including network technologies, network installation and configuration, network media and topologies, security, and much more Includes practical examples review questions, as well as access to practice exams and flashcards to reinforce learning Networking guru and expert author Todd Lammle offers valuable insights and tips drawn from real-world experience Plus, receive one year of FREE access to a robust set of online interactive learning tools, including hundreds of sample practice questions, a pre-assessment test, bonus practice exams, and over 100 electronic flashcards. Prepare for the exam and enhance your career—starting now!

Foundation learning for the CCNP TSHOOT 642-832 John Wiley & Sons
The Cisco CCNP is a highly sought after qualification and represents the bridge between the Cisco CCNA and CCIE certifications. Cisco CCNP engineers are never short of work in the networking community, either as senior network engineers or as freelance contractors. They have a very good working knowledge of routing protocols, local area networking, network security, wide area networking technologies and, of course, troubleshooting techniques. The Cisco CCNP now consists of three exams: 642-902 ROUTE-Implementing Cisco IP Routing 642-813 SWITCH-Implementing Cisco IP Switched Networks 642-832 TSHOOT-Troubleshooting and Maintaining Cisco IP Networks This manual concentrates on the TSHOOT exam.Some of the topics you are going to learn include: Network Monitoring and Maintenance Troubleshooting Methodologies and Tools Troubleshooting Switches at Layers 1-3 Troubleshooting EIGRP Troubleshooting OSPF Troubleshooting BGP Troubleshooting Cisco IOS Security Features Troubleshooting Cisco IOS DHCP and NAT Troubleshooting IPv6 Troubleshooting Cisco Wireless LANs Troubleshooting Cisco Voice and Video Bonus Feature: We have included five multi-technology troubleshooting labs set in a support ticket style, just as you will experience in the exam. You can configure these labs on your own home rack or on our live racks at: http://racks.howtonetwork.ne

Exam N10-008 CCNP TSHOOT 642-832 Official Certification Guide
This preparation guide offers complete coverage of the CCNA 640-801 exam, including all INTRO and ICND topics. The CD-ROM testing engines include simulation-based questions, while network simulation software allows readers to try out lab scenarios.

Foundation Learning for the ROUTE 642-902 Exam Cisco Press
Prepare, review, and practice for the CCNP TSHOOT exam with three effective self-study tools • •Combines three effective self-study tools into one value-priced package. •The Troubleshooting Video Mentor contains 20 individual videos for six hours of instruction. •The Cert Flash Cards Online provide 300 online flash cards for mobile and desktop devices. • The CCNP TSHOOT Quick Reference provides late stage review in print and PC formats. CCNP TSHOOT 642-813 Cert Kit is a best of breed late-stage preparation package that brings together three self-study tools into one value-priced package. The Network Troubleshooting Video Mentor contains 20 individual videos (with a total of about six hours of instruction) that demonstrate how to accomplish some of the most common troubleshooting tasks on Cisco routers and switches, and shows users how to verify that the network is working correctly. The CCNP TSHOOT Quick Reference provides readers with detailed graphical-based information, highlighting only the key topics on the CCNP TSHOOT exam in cram-style format. This fact-filled Quick Reference allows readers to get all-important information at a glance, helping focus on areas of weakness and enhance memory retention of important concepts. The CCNP TSHOOT Cert Flash Cards Online provide a concise review of all objectives on the CCNP TSHOOT 642-813 exam. This online exam preparation tool consists of a custom flash card application loaded with more than 300 total questions that test your skills and enhance retention of exam topics. The Flash Cards are available in both desktop and mobile formats.

ACI Advanced Monitoring and Troubleshooting Pearson Education
Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE) Foundation Learning Guide Foundation Learning for the CCNP® Voice (CVOICE) 642-437 Exam Kevin Wallace, CCIE® No. 7945 Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE) Foundation Learning Guide is a Cisco®-authorized, self-paced learning tool for CCNP Voice foundation learning. Developed in conjunction with the Cisco CCNP Voice certification team, it covers all aspects of planning, designing, and deploying Cisco VoIP networks and integrating gateways, gatekeepers, and QoS into them. Updated throughout for the new CCNP Voice (CVOICE) Version 8.0 exam

(642-437), this guide teaches you how to implement and operate gateways, gatekeepers, Cisco Unified Border Element, Cisco Unified Communications Manager Express, and QoS in a voice network architecture. Coverage includes voice gateways, characteristics of VoIP call legs, dial plans and their implementation, basic implementation of IP phones in Cisco Unified Communications Manager Express environment, and essential information about gatekeepers and Cisco Unified Border Element. The book also provides information on voice-related QoS mechanisms that are required in Cisco Unified Communications networks. Fourteen video lab demonstrations on the accompanying CD-ROM walk you step by step through configuring DHCP servers, CUCME autoregistration, ISDN PRI circuits, PSTN dial plans, DID, H.323 and MGCP gateways, VoIP dial peering, gatekeepers, COR, AutoQoS VoIP, and much more. Whether you are preparing for CCNP Voice certification or simply want to gain a better understanding of VoIP and QoS, you will benefit from the foundation information presented in this book. - Voice gateways, including operational modes, functions, related call leg types, and routing techniques - Gateway connections to traditional voice circuits via analog and digital interfaces - Basic VoIP configuration, including A/D conversion, encoding, packetization, gateway protocols, dial peers, and transmission of DTMF, fax, and modem tones - Supporting Cisco IP Phones with Cisco Unified Communications Manager Express - Dial plans, including digit manipulation, path selection, calling privileges, and more - Gatekeepers, Cisco Unified Border Elements, and call admission control (CAC) configuration - QoS issues and mechanisms - Unique DiffServ QoS characteristics and mechanisms - Cisco AutoQoS configuration and operation Companion CD-ROM The CD-ROM that accompanies this book contains 14 video lab demonstrations running approximately 90 minutes. This book is in the Foundation Learning Guide Series. These guides are developed together with Cisco® as the only authorized, self-paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams.

CCNP TSHOOT 642-832 Official Cert Guide Cisco Press
Cisco certifications are considered the most prestigious in the networking community. With a combination of easy-to-understand theory, real world explanations, and comprehensive hands-on labs, this edition is a powerful study tool for the certification exams.

JavaFX in Action Pearson Education
CCNP TSHOOT 642-832 Official Certification GuidePearson Education
Cisco CCNP Route Simplified John Wiley & Sons
Prepare for the Network+ certification and a new career in network installation and administration In the newly revised Fifth Edition of CompTIA Network+ Study Guide Exam N10-008, bestselling author and network expert Todd Lammle delivers thorough coverage of how to install, configure, and troubleshoot today's basic networking hardware peripherals and protocols. This book will prepare you to succeed on the sought-after CompTIA Network+ certification exam, impress interviewers in the network industry, and excel in your first role as a junior network administrator, support technician, or related position. The accomplished author draws on his 30 years of networking experience to walk you through the ins and outs of the five functional domains covered by the Network+ Exam N10-008: Networking fundamentals, implementations, operations, security, and troubleshooting. You'll also get: Complete, domain-specific coverage of the updated Network+ Exam N10-008 Preparation to obtain a leading network certification enjoyed by over 350,000 networking professionals Access to a superior set of online study tools, including practice exams, flashcards, and glossary of key terms. Perfect for anyone preparing for the latest version of the CompTIA Network+ Exam N10-008, the Fifth Edition of CompTIA Network+ Study Guide Exam N10-008 is a must-have resource for network administrators seeking to enhance their skillset with foundational skills endorsed by industry and thought leaders from around the world.

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Cisco Press
The only authorized Lab Manual for the Cisco Networking Academy CCNP Version 7 SWITCH course A CCNP certification equips students with the knowledge and skills needed to plan, implement, secure, maintain, and troubleshoot converged enterprise networks. The CCNP certification requires candidates to pass three 120-minute exams-ROUTE 300-101, SWITCH 300-115, TSHOOT 300-135-that validate the key competencies of network engineers. The Cisco Networking Academy curriculum consists of three experience-oriented courses that employ industry-relevant instructional approaches to prepare students for professional-level jobs: CCNP ROUTE: Implementing IP Routing, CCNP SWITCH: Implementing IP Switching, and CCNP TSHOOT: Maintaining and Troubleshooting IP Networks. This course teaches students how to implement, monitor, and maintain switching in converged enterprise campus networks. Students will learn how to plan, configure, and verify the implementation of complex enterprise switching solutions. The course also covers the secure integration of VLANs, WLANs, voice, and video into campus networks. Comprehensive labs emphasize hands-on learning and practice to reinforce configuration skills. The 15 comprehensive labs in this manual emphasize hands-on learning and practice to reinforce configuration skills.

CCNA Data Center DCICT 640-916 Official Cert Guide Simon and Schuster
Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Foundation Learning Guide Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Foundation Learning Guide is your Cisco authorized learning tool for CCNP TSHOOT 300-135 exam preparation. Part of the Cisco Press Foundation Learning Guide series, it teaches you how to maintain and monitor even the most complex enterprise networks. You'll compare and master today's leading approaches to troubleshooting, including an efficient structured process for maximizing network uptime in the context of your own organization's policies and procedures. Coverage includes gathering information, capturing

traffic, using event notifications, working with maintenance and trouble-shooting tools, and more. Throughout, each chapter opens with a list of topics that clearly identify its focus. Each chapter ends with a summary of key concepts for quick study, as well as review questions to assess and reinforce your understanding. To deepen your hands-on expertise and strengthen your exam readiness, this guide also presents five full chapters of real-world troubleshooting case studies. This guide is ideal for all certification candidates who want to master all the topics covered on the TSHOOT 300-135 exam. --The official textbook for the Cisco Networking Academy CCNP TSHOOT 300-135 course --Thoroughly introduces proven troubleshooting principles and common troubleshooting approaches --Defines structured troubleshooting and reviews its subprocesses --Shows how to integrate troubleshooting into day-to-day network maintenance processes --Covers information gathering on Layer 2 switching and Layer 3 routing with IOS show and debug commands, ping, and telnet --Introduces specialized tools for capturing traffic, gathering information (SNMP and NetFlow), and receiving network event notifications (EEM) --Uses extensive troubleshooting examples and diagrams to support explanations and strengthen your understanding --Presents self-assessment review questions, chapter objectives, and summaries to facilitate effective studying

Implementing Cisco Unified Communications Voice Over IP and QoS (Cvoice) Foundation Learning Guide Cisco Systems

The ACT official subject guides are a step by step guide for outlining the preparation for the ACT section tests. These prep guides provide students a concept-based outline for the subjects they plan to focus on. Each one of the official guides, is an efficient prep tool comprised of the most current and relevant test information packed into one guide. In addition to the book, the entire pool of questions are available online for a customizable learning experience. These guides will provide the focused support needed by subject. For the earnest test taker, start with official section guides to prepare for success! Use the ACT practice questions to check your performance on the official items from ACT. All of the Official ACT Prep Guides, will provide you with the guidance you need to succeed by telling you what you need to study, sharing details on how to prepare, and offering a ton of realistic practice questions. Use the ACT practice questions to check your performance on the official items from ACT. All of the Official ACT Prep Guides, will provide you with the guidance you need to succeed by telling you what you need to study, sharing details on how to prepare, and offering a ton of realistic practice questions. The ACT official subject guides are the best resource to get detailed input and practice to help you in preparation for the ACT. By using this guide, students can feel comfortable and confident that they are preparing to do their best! Features of the ACT® Official English Guide: Covers basic and advance topics Offers strategies and shortcuts to save you time Includes a glossary of grammar terminology 100's of official ACT English questions with detailed solutions Includes writing section

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide Cisco Press

ACI Advanced Monitoring and Troubleshooting provides a solid conceptual foundation and in-depth technical knowledge for monitoring and troubleshooting virtually any problem encountered during testing, deployment, or operation of Cisco Application Centric Infrastructure (ACI) infrastructure. Authored by leading ACI support experts at Cisco, it covers all you'll need to keep your ACI deployment working optimally. Coverage includes: Core ACI concepts and components, including Nexus 9000 Series platforms, APIC controllers, and protocols In-depth insight into ACI's policy model ACI fabric design options: single and multiple data centers, stretched vs. multiple fabrics, and multi-pod/multi-site Automation, orchestration, and the cloud in ACI environments ACI topology and hardware/software specifications End host and network connectivity VMM integration Network management configuration, including SNMP, AAA, and SPAN Monitoring ACI fabrics and health Getting immediate results through the NX-OS command line interface Troubleshooting use cases: fabric discovery, APIC, management access, contracts, external connectivity, leaf/spine connectivity, end-host connectivity, VMM problems, ACI multi-pod/multi-site problems, and more

Cisco CCENT/CCNA ICND1 OCG Aca Pearson Education India

The comprehensive, hands-on guide for resolving IP routing problems Understand and overcome common routing problems associated with BGP, IGRP, EIGRP, OSPF, IS-IS, multicasting, and RIP, such as route installation, route advertisement, route redistribution, route summarization, route flap, and neighbor relationships Solve complex IP routing problems through methodical, easy-to-follow flowcharts and step-by-step scenario instructions for troubleshooting Obtain essential troubleshooting skills from detailed case studies by experienced Cisco TAC team members Examine numerous protocol-specific debugging tricks that speed up problem resolution Gain valuable insight into the minds of CCIE engineers as you prepare for the challenging CCIE exams As the Internet continues to grow exponentially, the need for network engineers to build, maintain, and troubleshoot the growing number of component networks has also increased significantly. IP routing is at the core of Internet technology and expedient troubleshooting of IP routing failures is key to reducing network downtime and crucial for sustaining mission-critical applications carried over the Internet. Though troubleshooting skills are in great demand, few networking professionals possess the knowledge to identify and rectify networking problems quickly and efficiently. Troubleshooting IP Routing Protocols provides working solutions necessary for networking engineers who are pressured to acquire expert-level skills at a moment's notice. This book also serves as an additional study aid for CCIE candidates.

Authored by Cisco Systems engineers in the Cisco Technical Assistance Center (TAC) and the Internet Support Engineering Team who troubleshoot IP routing protocols on a daily basis, Troubleshooting IP Routing Protocols goes through a step-by-step process to solving real-world problems. Based on the authors' combined years of experience, this complete reference alternates between chapters that cover the key aspects of a given routing protocol and chapters that concentrate on the troubleshooting steps an engineer would take to resolve the most common routing problems related to a variety of routing protocols. The book provides extensive, practical coverage of BGP, IGRP, EIGRP, OSPF, IS-IS, multicasting, and RIP as run on Cisco IOS Software network devices. Troubleshooting IP Routing Protocols offers you a full understanding of invaluable troubleshooting techniques that help keep your network operating at peak performance. Whether you are looking to hone your support skills or to prepare for the challenging CCIE exams, this essential reference shows you how to isolate and resolve common network failures and to sustain optimal network operation. This book is part of the Cisco CCIE Professional Development Series, which offers expert-level instruction on network design, deployment, and support methodologies to help networking professionals manage complex networks and prepare for CCIE exams.