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## Online Library CCNA ICND2 Study Guide Third Edition

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### KEY=EDITION - LORELAI AUGUSTUS

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**CCNA ICND2 Study Guide Exam 200-105** [John Wiley & Sons](#) Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Real-world expert preparation for the ICND2, with hands-on labs The CCNA ICND2 Study Guide, 3rd Edition covers 100 percent of all exam 200-105 objectives. Leading networking authority Todd Lammle provides detailed explanations and clear instruction on IP data networks, switching and routing technologies, IPv4 and IPV6 addressing, troubleshooting, security, and more. Dozens of hands-on labs help you gain experience with important tasks, and expert examples and insights drawn from thirty years of networking bring real-world perspective to essential CCNA skills. The Sybex interactive online learning environment provides hundreds of sample questions, a glossary of key terms, and over 100 electronic flashcards to streamline your study time and expand your resources; the pre-assessment test shows you where to focus your efforts, and the practice exam allows you test your level of understanding while there's still time to improve. The ICND2 is the final exam for the CCNA certification. With 80 percent of the Internet's routers being Cisco technology, this exam is critical for a career in networking. This guide explains everything you need to be confident on exam day. Study 100% of the exam objectives Get essential hands-on experience Access sample questions and flashcards Test your knowledge with a bonus practice exam Be fully prepared for the CCNA ICND2 with the Sybex advantage. **CCNA ICND2 Study Guide Exam 200-105** [John Wiley & Sons](#) Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. 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The chapter on IP Access Control Lists has also been completely updated. In addition to these major changes, Wendell Odom has created a series of practice exercises for all three of these topics to help reinforce the concepts and increase computation speed for exam

preparation, a critical success factor on the CCNA exams. The Numeric Reference Table appendix was also completely revised. In addition to the wealth of updated content, this new edition also includes a series of free hands-on exercises to help you master several real-world configuration activities. These exercises can be performed on the CCNA Network Simulator, ICND2 Lite Edition included for free on the CD-ROM. This software contains twelve free lab exercises, nine skill-builder labs and three complex configuration scenarios. Finally, the practice test has been fully updated to the new Pearson IT Certification Practice Test software, offering a wealth of customization options and reporting features along with several hundred exam-realistic practice questions. CCNA ICND2 Study Guide, 3rd Edition Real-world expert preparation for the ICND2, with hands-on labs The CCNA ICND2 Study Guide, 3rd Edition covers 100 percent of all exam 200-105 objectives. 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Study 100% of the exam objectives Get essential hands-on experience Access sample questions and flashcards Test your knowledge with a bonus practice exam Be fully prepared for the CCNA ICND2 with the Sybex advantage. 31 Days Before Your CCNA Exam A day-by-day review guide for the CCNA 640-802 exam [Pearson Education](#) 31 Days Before your CCNA Exam, Second Edition, offers you a personable and practical way to understand the certification process, commit to taking the exam, and finish your preparation using a variety of Foundational and Supplemental study resources. The book breaks down key exam topics into 31 daily review sessions using short summaries, lists, tables, examples, and graphics. A Study Resources section provides you with a quick reference for locating more in-depth treatment of a day's topics within the relevant Foundational and Supplemental resources. Use this day-by-day guide to organize, prepare, and review all the CCNA® objectives. The features of the book empower you to fit exam preparation into an otherwise busy schedule: Tear out visual calendar summarizes each day's study topics Checklist highlights important tasks and deadlines leading up to your exam Description of the 640-802 CCNA exam organization and sign up process, includes how to use a voucher Strategies from the author help you to be mentally, organizationally, and physically prepared for exam day Conversational tone, making your study time more enjoyable Allan Johnson entered the academic world in 1999 after ten years as a business owner and operator. He has a passion for teaching and holds both an MBA and an M.Ed in occupational training and development. Allan currently works full time developing CCNA instructional support and training materials. Category: Cisco® Certification CCNA ICND2 640-816 Official Cert Guide, Third Edition New Edition of Best Selling Official Cert Guide: Updated Content, New Exercises, and Expanded Coverage -- PLUS includes CCNA Network Simulator Lite The new edition of bestselling CCNA ICND2 640-816 Official Cert Guide by Wendell Odom has been updated to refresh the content, add new exercises, and enhance certain topics that are key to understanding for success on the CCNA exams. Chapters on VLSM, route summarization, and IP access control lists have been completely revised. In addition the book contains new practice exercises for all three of these topics to help reinforce the concepts and increase computation speed for exam preparation. Learn, prepare, and practice for exam success Master CCNA ICND2 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Learn from 60 minutes of Video mentoring Apply concepts within Network Simulator lab exercises CCNA ICND2 640-816 Official Cert Guide, Third Edition is a best of breed Cisco exam study guide. Best-selling

author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. The master table of exam topics makes referencing easy. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. A final preparation chapter guides you through tools and resources to help you craft your final study plan. Special troubleshooting sections help you master the complex scenarios you will face on the exam. 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. CCNA ICND2 640-816 Official Cert Guide, Third Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [Cisco Press](#). 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 ICND2 200-105 exam topics
- Assess your knowledge with chapter-opening quizzes
- Review key concepts with exam-preparation tasks

This is the eBook edition of CCNA Routing and Switching ICND2 200-105 Official Cert Guide. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCNA Routing and Switching ICND2 200-105 Official Cert 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 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. CCNA Routing and Switching ICND2 200-105 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. Best-selling author and expert instructor Wendell Odom 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 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 and part-ending exercises, which help you drill on key concepts you must know thoroughly
- Troubleshooting sections, which help you master the complex scenarios you will face on the exam
- 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, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your exam success. This official study guide helps you master all the topics on the CCNA ICND2 exam, including

- Ethernet LANs
- IPv4 routing protocols
- Wide area networks
- IPv4 services: ACLs and QoS
- IPv4 routing and troubleshooting
- IPv6
- Network management, SDN, and cloud computing

CCNA Routing and Switching Complete Review Guide Exam 100-105, Exam 200-105, Exam 200-125 [John Wiley & Sons](#)

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. This means if you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Tight, focused CCNA review covering all three exams The CCNA Routing and Switching Complete Review Guide offers clear, concise review for Exams 100-105, 200-105, and 200-125. Written by best-selling certification author and Cisco guru Todd Lammler, this guide is your ideal resource for quick review and reinforcement of key topic areas. This second edition has been updated to align with the latest versions of the exams, and works alongside the Sybex CCNA Routing and Switching Complete Study Guide, 2nd Edition. Coverage includes LAN switching technologies, IP routing, IP services, IPv4 and IPv6 addressing, network device security, WAN technologies, and troubleshooting—providing 100% coverage of all objectives for the CCNA ICND1, ICND2, and Composite exams. The Sybex online learning environment gives you access to additional study tools, including practice exams and flashcards to give you additional review before exam day. Prepare thoroughly for the ICND1, ICND2, and the CCNA Composite exams Master all objective domains, mapped directly to the exams Clarify complex topics with guidance from the leading Cisco expert Access practice exams, electronic flashcards, and more Each chapter focuses on a specific exam domain, so you can read from beginning to end or just skip what you know and get right to the information you need. This Review Guide is designed to work hand-in-hand with any learning tool, or use it as a stand-alone review to gauge your level of understanding. The CCNA Routing and Switching Complete Review Guide, 2nd Edition gives you the confidence you need to succeed on exam day. Cisco ICND2 Official Cert Guide with MyITcertificationlabs Bundle (640-816) [Cisco Press](#) New Edition of Best Selling Official Cert Guide plus the Interactive Online Resource myITcertification labs: Updated Content, New Exercises, and Expanded Coverage -- PLUS includes CCNA Network Simulator Lite The new edition of bestselling CCNA ICND2 640-816 Official Cert Guide by Wendell Odom has been updated to refresh the content, add new exercises, and enhance certain topics that are key to understanding for success on the CCNA exams. Chapters on VLSM, route summarization, and IP access control lists have been completely revised. In addition the book contains

new practice exercises for all three of these topics to help reinforce the concepts and increase computation speed for exam preparation. Learn, prepare, and practice for exam success Master CCNA ICND2 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions on the DVD Learn from 60 minutes of Video mentoring Apply concepts within Network Simulator lab exercises CCNA ICND2 640-816 Official Cert Guide, Third Edition is a best of breed Cisco exam study guide. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. The master table of exam topics makes referencing easy. 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This new edition also includes a free copy of the CCNA ICND2 640-816 Network Simulator, Lite Edition, complete with meaningful lab exercises, which help you hone your hands-on skills with the Cisco user interface for routers and switches. The DVD also contains more than 60 minutes of personal video mentoring from the author focused on subnetting. 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. CCNA ICND2 640-816 Official Cert Guide, Third Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). Wendell Odom, CCIE No. 1624, is the most respected author of Cisco networking books in the world. His past titles include books on the entry-level Cisco certifications (CCENT and CCNA), the more advanced CCNP, and the industry-renowned CCIE. His books are known for their technical depth and accuracy. Wendell has worked as a network engineer, consultant, instructor, course developer, and book author, and he has produced videos, software, and blogs related to Cisco certifications. His website with links to various study tools and resources is at [www.certskills.com](http://www.certskills.com). The official study guide helps you master all the topics on the CCNA ICND2 exam, including VLANs and Spanning Tree Protocol Static and connected routes VLSM and route summarization IP Access Control Lists (ACLs) Routing protocol theory OSPF and EIGRP Troubleshooting Point-to-point WANS and Frame Relay Frame Relay Virtual Private Networks (VPNs) Network Address Translation (NAT) IPv6 Companion DVD The DVD contains two free, complete ICND2 practice exams and two free, full CCNA practice exams, CCNA ICND2 Network Simulator, Lite Edition, and 60 minutes of video training. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test. Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), or Windows 7; Microsoft .NET Framework 4.0 Client; Microsoft SQL Server Compact 4.0; Pentium class 1GHz processor (or equivalent); 512 MB RAM; 650 MB disc space plus 50 MB for each downloaded practice exam This volume is part of the Official Cert 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. myITcertificationlabs: ICND2 is an easy-to-use exam preparation service that tests your readiness and teaches you what you need to know to pass the Cisco CCNA ICND2 640-816 exam. The Web-based service assesses your knowledge with brief, objective-specific quizzes, and then it provides feedback in areas where you need further study within each objective. You are also provided with the actual study materials you need to learn in the form of PDFs from CCNA ICND2 640-816 Official Cert Guide, Third Edition, as well as other visual learning tools. After reviewing the learning materials you take another test to be sure you understand those objective concepts and that you are ready for the actual exam. When you have completed all the objectives, you can take up to two full-length practice exams, providing you a measurement on your exam readiness and helping you fully prepare for the real Cisco CCNA ICND2 exam experience. This product should be used in an instructor led classroom environment and is not intended for individual self-study 31 Days Before Your CCNA Routing and Switching Exam A Day-By-Day Review Guide for the ICND2 (200-101) Certification Exam, Third Edition 31 Days Before Your CCNA Routing and Switching Exam offers you a personable and practical way to understand the certification process, commit to taking the 200-101 Interconnecting Cisco Networking Devices Part 2 (ICND2) certification exam, and finish your preparation using a variety of Primary and Supplemental study resources. The ICND2 is the second exam associated with the CCNA Routing and Switching certification. This exam tests your knowledge and skills required to successfully install, operate, and troubleshoot a small- to medium-size enterprise branch network. Sign up for the ICND2 exam and use the book's day-by-day guide and checklist to organize, prepare, and review. Each day in this guide breaks down an exam topic into a manageable bit of information to review using short summaries. A Study Resources section provides you with a quick reference for locating more in-depth treatment of a day's topics within the Primary and Supplemental resources. The features of the book empower you to fit exam preparation into a busy schedule: Visual calendar summarizing each day's study topic Checklist providing advice for preparation activities leading up to the exam Description of the 200-101 ICND2 exam organization and sign up process Strategies from the author to be mentally, organizationally, and physically prepared for exam day Conversational tone, which makes your

study time more enjoyable Primary Resources: Cisco CCNA ICND2 200-101 Official Cert Guide ISBN-13: 978-1-58714-373-1 Interconnecting Cisco Network Devices, Part 2 (ICND2) Foundation Learning Guide, Fourth Edition ISBN: 978-1-58714-377-9 Scaling Networks Companion Guide ISBN: 978-1-58713-328-2 Scaling Networks Lab Manual ISBN: 978-1-58713-325-1 Connecting Networks Companion Guide ISBN: 978-1-58713-332-9 Connecting Networks Lab Manual ISBN: 978-1-58713-331-2 Supplemental Resources: CCNA Routing and Switching Practice and Study Guide ISBN: 978-1-58713-344-2 CCNA Routing and Switching Portable Command Guide Third Edition ISBN: 978-1-58720-430-2 Cisco CCNA Routing and Switching 200-120 Network Simulator ISBN: 978-0-7897-5088-4. CCNA ICND2 640-816 Official Cert Guide [Cisco Press](#) New Edition of Best Selling Official Cert Guide: Updated Content, New Exercises, and Expanded Coverage -- PLUS includes CCNA Network Simulator Lite Edition 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. Access to the Network Simulator Lite and personal video mentoring is available through product registration at Cisco Press - or see instructions in back pages of your eBook. The new edition of bestselling CCNA ICND2 640-816 Official Cert Guide, Third Edition by Wendell Odom has been updated to refresh the content, add new exercises, and enhance certain topics that are key to understanding for success on the CCNA exams. Chapters on VLSM, route summarization, and IP access control lists have been completely revised. In addition the book contains new practice exercises for all three of these topics to help reinforce the concepts and increase computation speed for exam preparation. 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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. 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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 Security 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: Cisco Certified Network Associate Study Guide Exam 640-801 [John Wiley & Sons](#) Here's the book you need to prepare for Cisco's CCNA exam, 640-801. This Study Guide was developed to meet the exacting requirements of today's Cisco certification candidates. In addition to the engaging and accessible instructional approach that has earned author Todd Lammle the "Best Study Guide Author" award in CertCities Readers' Choice Awards for two consecutive years, this updated fifth edition provides: In-depth coverage of every CCNA exam objective Expanded IP addressing and subnetting coverage More detailed information on EIGRP and OSPF Leading-edge exam preparation software Authoritative coverage of all exam objectives, including: Network planning & designing Implementation & operation LAN and WAN troubleshooting Communications technology CCNA Self-study Interconnecting Cisco Network Devices (ICND) [Cisco Systems](#) This authorized guide to the Cisco examinations CCNA 640-801 and ICND 640-811 is now in its second edition. It features instructor-led learning with materials developed in conjunction with Cisco Systems. CCNA Routing and Switching Portable Command Guide CCNA Rout Swit Com Gd ePub\_3 [Cisco Press](#) Here are all the CCNA-level Routing and Switching commands you need in one condensed, portable resource. The CCNA Routing and Switching Portable Command Guide, Third Edition, is filled with valuable, easy-to-access information and is portable enough for use whether you're in the server room or the equipment closet. The guide summarizes all CCNA certification-level Cisco IOS® Software commands, keywords, command arguments, and associated prompts, providing you with tips and examples of how to apply the commands to real-world scenarios. Configuration examples throughout the book provide you with a better understanding of how these commands are used in simple network designs. This book has been completely updated to cover topics in the ICND1 100-101, ICND2 200-101, and CCNA 200-120 exams. Use this quick reference resource to help you memorize commands and concepts as you work to pass the CCNA Routing and Switching certification exam. The book is organized into these parts: · Part I TCP/IP v4 · Part II Introduction to Cisco Devices · Part III Configuring a Router · Part IV Routing · Part V Switching · Part VI Layer 3 Redundancy · Part VII IPv6 · Part VIII Network Administration and Troubleshooting · Part IX Managing IP Services · Part X WANs · Part XI Network Security Quick, offline access to all CCNA Routing and Switching commands for research and solutions Logical how-to topic groupings for a one-stop resource Great for review before CCNA Routing and Switching certification exams Compact size makes it easy to carry with you, wherever you go "Create Your Own Journal" section with blank, lined pages allows you to personalize the book for your needs "What Do You Want to Do?" chart inside back cover helps you to quickly reference specific tasks CCNA Cisco Certified Network Associate Routing and Switching Study Guide with Boson NetSim Limited Edition (Exam 200-101, ICND2) "The Best Fully Integrated Study System Available for CCNA Exams 200-101 and ICND2. With hundreds of practice questions and hands-on exercises CCNA Cisco Certified Network Associate Routing and Switching Study Guide with Boson NetSim Limited Edition covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of

all official exam objectives. Exam Readiness checklist--you're ready for the exam when all objectives on the list are checked off. Inside the Exam sections in every chapter highlight key exam topics covered. Two-Minute Drills for quick review at the end of every chapter. Simulated exam questions match the format, tone, topics, and difficulty of the real exam. Covers all the exam topics, including: Cisco iOS and Switch Security Review \* VLAN Review \* Switches and Redundancy \* Routers and Routing \* VLSM \* Initial Router Configuration \* iOS Device Management \* Management Protocols for Cisco Devices \* Basic Routing \* OSPF Routing \* EIGRP Routing \* WAN Introduction \* Frame Relay. Electronic content includes: . Boson NetSim Limited Edition with 20+ simulated lab exercises. Boson Exam Engine with CCNA practice exam. Video training. PDF copy of the book"-- CCNA Routing and Switching Practice and Study Guide Exercises, Activities and Scenarios to Prepare for the ICND2 200-101 Certification Exam [Cisco Press](#) CCNA Routing and Switching Practice and Study Guide is designed with dozens of exercises to help you learn the concepts and configurations crucial to your success with the Interconnecting Cisco Networking Devices Part 2 (ICND2 200-101) exam. The author has mapped the chapters of this book to the last two Cisco Networking Academy courses in the CCNA Routing and Switching curricula, Scaling Networks and Connecting Networks. These courses cover the objectives of the Cisco Certified Networking Associate (CCNA) Routing and Switching certification. Getting your CCNA Routing and Switching certification means that you have the knowledge and skills required to successfully install, configure, operate, and troubleshoot a medium-sized routed and switched networks. As a Cisco Networking Academy student or someone taking CCNA-related classes from professional training organizations, or college- and university-level networking courses, you will gain a detailed understanding of routing by successfully completing all the exercises in this book. Each chapter is designed with a variety of exercises, activities, and scenarios to help you: Review vocabulary Strengthen troubleshooting skills Boost configuration skills Reinforce concepts Research and analyze topics CCNA 640-802 Official Cert Library, Updated [Cisco Press](#) New Edition of Best Selling Official Cert Guide: Updated Content, New Exercises, and Expanded Coverage -- PLUS includes CCNA Network Simulator Lite Edition with 21 free CCNA Network Simulator Labs This is the eBook version of the print title. The eBook edition does not provide access to the DVDs that accompany the print books. ¿ The new edition of bestselling CCNA 640-802 Cert Library, Updated Third Edition by Wendell Odom is a comprehensive review and practice package for the latest CCNA exams. The two books contained in this package, CCENT/CCNA ICND1 640-822 Official Cert Guide, Third Edition, and CCNA ICND2 640-816 Official Cert Guide, Third Edition, present complete reviews and a more challenging and realistic preparation experience. The books have been refreshed to provide updated coverage of critical exam topics such as IP addressing, subnetting, TCP/IP and OSI networking models,¿VLSM, route summarization, and IP access control lists. ¿ Learn, prepare, and practice for exam success Master all CCNA 640-802 exam topics with the official study guides Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Learn from 60 minutes of video mentoring Apply concepts within Networking Simulator lab exercises Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The books present 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 enable you to decide how much time you need to spend on each section. The master tables of exam topics makes referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. A final preparation chapter guides you through tools and resources to help you craft your final study plan. Special troubleshooting sections help you master the complex scenarios you will face on the exam. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, these official study guides help you master the concepts and techniques that will enable you to succeed on the exam the first time. ¿ Wendell Odom, CCIE No. 1624, is the most respected author of Cisco networking books in the world. His past titles include books on the entry-level Cisco certifications (CCENT and CCNA), the more advanced CCNP, and the industry-renowned CCIE. His books are known for their technical depth and accuracy. Wendell has worked as a network engineer, consultant, instructor, course developer, and book author, and he has produced videos, software, and blogs related to Cisco certifications. His website with links to various study tools and resources is at [www.certskills.com](http://www.certskills.com). ¿ These official study guides help you master all the topics on the CCNA exams, including: TCP/IP and OSI networking models Operating Cisco routers and LAN switches Ethernet switch configuration and troubleshooting Virtual LANs and Spanning Tree Protocol Wireless LANs IP addressing and subnetting Routing protocols Router configuration and troubleshooting Static and connected routes VLSM and route summarization IP access control lists OSPF and EIGRP configuration WAN configuration and troubleshooting Frame Relay Network Security and VPNs NAT IPv6 Troubleshooting¿ Includes CCENT/CCNA ICND1 640-822 Official Cert Guide, Third Edition and CCNA ICND2 640-816 Official Cert Guide, Third Edition ¿ This volume is part of the Official Cert 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. ¿ Interconnecting Cisco Network Devices, Part 2 (ICND2) (CCNA Exam 640-802 and ICND exam 640-816) [Pearson Education](#) Authorized Self-Study Guide Interconnecting Cisco Network Devices, Part 2 (ICND2) Third Edition Foundation learning for CCNA ICND2 Exam 640-816 Steve McQuerry, CCIE® No. 6108 Interconnecting Cisco Network Devices, Part 2 (ICND2), is a Cisco®-authorized, self-paced learning tool for CCNA® foundation learning. This book provides you with the knowledge needed to install, operate, and troubleshoot a small to medium-size branch office enterprise network, including configuring several switches and routers, connecting to a WAN, and implementing network security. In Interconnecting Cisco Network Devices, Part 2 (ICND2), you will study actual router and switch output to aid your understanding of how to configure these devices. Many notes, tips, and cautions are also spread throughout the book. Specific

topics include constructing medium-size routed and switched networks, OSPF and EIGRP implementation, access control lists (ACL), address space management, and LAN extensions into a WAN. Chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCNA certification or simply want to gain a better understanding of how to build medium-size Cisco networks, you will benefit from the foundation information presented in this book. Interconnecting Cisco Network Devices, Part 2 (ICND2), 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](http://www.cisco.com/go/authorizedtraining). Steve McQuerry, CCIE® No. 6108, is a consulting systems engineer with Cisco focused on data center architecture. Steve works with enterprise customers in the Midwestern United States to help them plan their data center architectures. He has been an active member of the internetworking community since 1991 and has held multiple certifications from Novell, Microsoft, and Cisco. Before joining Cisco Steve worked as an independent contractor with Global Knowledge, where he taught and developed coursework around Cisco technologies and certifications. Review the Cisco IOS® Software command structure for routers and switches Build LANs and understand how to overcome problems associated with Layer 2 switching Evaluate the differences between link-state and distance vector routing protocols Configure and troubleshoot OSPF in a single area Configure and troubleshoot EIGRP Identify and filter traffic with ACLs Use Network Address Translation (NAT) and Port Address Translation (PAT) to conserve IPv4 address space and implement IPv6 Connect different sites over WANs or the Internet using IPsec VPN, SSL VPN, leased line, and Frame Relay connections This volume is in the Certification Self-Study Series offered by Cisco Press®. Books in this series provide officially developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations. Category: Cisco Press—Cisco Certification Covers: ICND2 Exam 640-816 CCENT ICND1 Study Guide Exam 100-105 [John Wiley & Sons](http://JohnWiley.com) Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Complete CCENT preparation with hands-on practice and robust study aids The CCENT Study Guide, 3rd Edition offers complete conceptual and practical study tools for the Cisco Certified Entry Networking Technician exam. Written by networking expert Todd Lammle, this study guide provides everything you need to pass the CCENT with flying colors. 100% coverage of the all exam objectives includes detailed discussion on IP data networks, IPv4 and IPv6 addressing, switching and routing, network security, and much more. Todd draws on 30 years of experience to give you practical examples and real-world insights that go way beyond exam prep, and plenty of hands-on labs help you gain experience with important tasks. The Sybex interactive online learning tools include a pre-assessment test to show you how much you already know, two bonus ICND-1 practice exams to test your understanding, and hundreds of sample questions and over 100 flashcards provide quick review. The CCENT is the entry-level certification for those looking to break into the networking field. As a part of the CCNA certification process, the exam is comprehensive—and a comprehensive study guide is essential. This study guide helps you develop the skills and knowledge you need to be confident on exam day. Review all CCENT exam objectives Access online study tools and practice ICND1 exams Get hands-on experience with dozens of labs Master switching and routing, troubleshooting, security, and more Don't bother parsing technical references or trying to figure it out yourself. This book allows you to learn and review with networking's leading authority, with clear explanations, practical instruction, and real-world insight. When you're ready for the next step in your career, the CCENT Study Guide, 3rd Edition gets you on track to succeed on the CCENT exam. CCENT/CCNA ICND1 640-822 Official Cert Guide [Cisco Press](http://CiscoPress.com) 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. Access to the Network Simulator Lite and personal video mentoring is available through product registration at Cisco Press - or see instructions in back pages of your eBook. The new edition of bestselling CCENT/CCNA ICND1 640-822 Official Cert Guide, Third Edition by Wendell Odom has been updated to refresh the content, add new exercises, and enhance certain topics that are key to understanding for success on the CCENT and CCNA exams. The IP addressing topics have been rewritten and re-organized to mirror proven techniques to learn both the concepts and the specific pieces of the subnetting puzzle. In addition, the TCP/IP and OSI Networking Models chapter was also completely updated and rewritten. Learn, prepare, and practice for exam success Master CCENT/CCNA ICND1 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Learn from 60 minutes of Video mentoring Apply concepts within Network Simulator lab exercises CCENT/CCNA ICND1 640-822 Official Cert Guide, Third Edition is a best of breed Cisco exam study guide. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. The master table of exam topics makes referencing easy. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. A final preparation chapter guides you through tools and resources to help you craft your final study plan. Special troubleshooting sections help you master the complex scenarios you will face on the exam. CCENT/CCNA ICND1 Official Exam Certification Guide [Pearson Deutschland](http://PearsonDeutschland.com)

**GmbH** An official, self-paced test exam covers the objectives of the new CCNA INTRO exam in a modular format and provides customizable test banks, score and history reporting, review questions, scenario-based exercises, and network simulation software on the companion CD-ROM. Original. (Intermediate) CCNA Routing and Switching Study Guide Exams 100-101, 200-101, and 200-120 [John Wiley & Sons](#) Prepare for the new CCNA exams with this Todd Lammle study guide Cisco author, speaker, and trainer Todd Lammle is considered the authority on all things networking, and his books have sold almost a million copies worldwide. This all-purpose CCNA study guide methodically covers all the objectives of the ICND1 (100-101) and ICND2 (200-101) exams as well as providing additional insight for those taking CCNA Composite (200-120) exam. It thoroughly examines operation of IP data networks, LAN switching technologies, IP addressing (IPv4/IPv6), IP routing technologies, IP services, network device security, troubleshooting, and WAN technologies. Valuable study tools such as a companion test engine that includes hundreds of sample questions, a pre-assessment test, and multiple practice exams. Plus, you'll also get access to hundreds of electronic flashcards, author files, and a network simulator. CCNA candidates may choose to take either the ICND1(100-101) and ICND2 (200-101) exams or the CCNA Composite exam (200-120); this study guide covers the full objectives of all three Written by bestselling Sybex study guide author Todd Lammle, an acknowledged authority on all things Cisco Covers essential Cisco networking topics such as operating an IP data network, IP addressing, switching and routing technologies, troubleshooting, network device security, and much more Includes a comprehensive set of study tools including practice exams, electronic flashcards, comprehensive glossary of key terms, videos, and a network simulator that can be used with the book's hands-on labs Bonus Content: Access to over 40 MicroNugget videos from CBT Nuggets CCNA Routing and Switching Study Guide prepares you for CCNA certification success. Interconnecting Cisco Network Devices Part 2 (ICND2) [Cisco Systems](#) Learn the concepts on the new CCNA 640-802 and ICND2 640-816 exams with the only Cisco authorized self-study guide. CCNA 640-802 Exam Certification Library, Simulator Edition [Cisco Systems](#) The official test preparation and simulation package for CCNA 640-802 certification in a value priced bundle • Contains the bestselling 9781587201837, and the state of the art CCNA 640-802 Network Simulator, 9781587202162 CCNA Official Exam Certification Library . • Together these form an unbeatably comprehensive set of tools for studying for the CCNA certification. The CCNA Exam Certification Guides contained in this library are best of breed assessment, review, and practice tools for the CCNA 640-802 exams. Well-regarded for their level of detail, assessment features, and challenging review questions and exercises, these books not only prepare readers to succeed on the exam, but also in their daily job as a CCNA professional. The CCNA 640-802 Network Simulator helps users develop and enhance hands-on configuration and troubleshooting skills without the investment in expensive lab hardware. This state of the art simulation software allows users to practice their networking skills with 250 structured labs designed to reinforce CCNA exam topics. **Scaling Networks Companion Guide** [Pearson Education](#) **Scaling Networks Companion Guide** is the official supplemental textbook for the Scaling Networks course in the Cisco® CCNA® Academy® This course describes the architecture, components, and operations of routers and switches in a large and complex network. You will learn how to configure routers and switches for advanced functionality. By the end of this course, you will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. You will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. The Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time. The book's features help you focus on important concepts to succeed in this course: Chapter objectives--Review core concepts by answering the focus questions listed at the beginning of each chapter. Key terms--Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter. Glossary--Consult the comprehensive Glossary with over 180 terms. Summary of Activities and Labs--Maximize your study time with this complete list of all associated practice exercises at the end of each chapter. Check Your Understanding--Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer. Related Title: Scaling Networks Lab Manual ISBN-13: 978-1-58713-325-1 ISBN-10: 1-58713-325-3 Interactive Activities--Reinforce your understanding of topics with all the different exercises from the online course identified throughout the book with this icon. Videos--Watch the videos embedded within the online course. Packet Tracer Activities--Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters. Hands-on Labs--Work through all the course labs and Class Activities that are included in the course and published in the separate Lab Manual. **Connecting Networks Companion Guide** [Pearson Education](#) "This course discusses the WAN technologies and network services required by converged applications in a complex network. The course allows you to understand the selection criteria of network devices and WAN technologies to meet network requirements. You will learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. You will also develop the knowledge and skills needed to implement IPsec and virtual private network (VPN) operations in a complex network."--Back cover. **CCNA Routing and Switching 200-125 Official Cert Guide Library** [Cisco 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. Cisco Press has the only self-study guides approved by Cisco for the new CCENT and CCNA Routing and Switching certifications. The new edition of the best-selling two-book value priced CCNA Official Cert Guide Library includes updated content, new online practice exercises, more than 600 practice exam questions, and more than 2 hours of video training, plus the CCENT and CCNA Network Simulator Lite Editions with 43 free Network Simulator labs. **CCNA Routing and Switching 200-125 Official Cert Guide Library** is a comprehensive review and practice package for the latest CCNA exams and is the only self-study resource approved by Cisco. The two books contained in this package, CCENT/CCNA ICND1 100-105 Official Cert Guide and CCNA Routing

and Switching ICND2 200-105 Official Cert Guide, present complete reviews and more challenging and realistic preparation experiences. The books have been fully updated to refresh the content for the latest CCNA exam topics and to enhance certain key topics that are critical for exam success. Best-selling author and expert instructor Wendell Odom 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 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 and part-ending exercises, which help you drill on key concepts you must know thoroughly · Troubleshooting sections, which help you master the complex scenarios you will face on the exam · The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports · A free copy of the CCNA ICND1 and ICND2 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 hone your knowledge · More than 2 hours of video mentoring from the author · 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, video instruction, and hands-on labs, these official study guides help you master the concepts and techniques that ensure your exam success. These official study guides help you master all the topics on the CCNA exams, 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, NAT, and QoS · IPv4 routing protocols and routing · Wide area networks · IPv6 · Network management, SDN, and cloud computing CCNA Cisco Certified Network Associate Routing and Switching Study Guide (Exams 200-120, ICND1, & ICND2), with Boson NetSim Limited Edition [McGraw-Hill Education](#) The best fully integrated study system available With hundreds of practice questions and hands-on exercises, CCNA Cisco Certified Network Associate Routing and Switching Study Guide with Boson NetSim Limited Edition covers what you need to know-- and shows you how to prepare--for these challenging exams. 100% complete coverage of all official exam objectives Exam Readiness checklist - you're ready for the exams when all objectives on the list are checked off Inside the Exam sections in every chapter highlight key exam topics covered Two-Minute Drills for quick review at the end of every chapter Step-by-Step exercises integrated with the Boson NetSim Limited Edition Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Networks \* OSI Reference Model \* Layer 2 LAN Technologies \* Bridges and Switches \* TCP/IP and the Internet Layer \* IP Addressing and Subnetting \* VLSM \* TCP/IP and the Transport Layer \* Sending and Receiving TCP/IP Packets \* Cisco IOS Software \* Initial Switch Configuration \* VLANs and Trunks \* Switches and Redundancy \* Routers and Routing \* Initial Router Configuration \* IOS Device Management \* Management Protocols for Cisco Devices \* Basic Routing \* OSPF Routing \* EIGRP Routing \* Access Control Lists \* Address Translation \* IPv6 \* WAN \* Frame Relay Electronic content includes: Boson NetSim Limited Edition with 18 simulated lab exercises Boson Exam Engine with two CCNA practice exams Hour+ of video training PDF copy of the book Glossary in PDF format System requirements for the Boson NetSim LE and the Boson Exam Engine: Supported Operating Systems Windows 8, Windows 7, Windows Vista, Windows XP .NET Framework Microsoft .NET Framework Version 4.0 Processor 1-GHz Pentium processor or equivalent (Minimum); 3-GHz Pentium processor or equivalent (Recommended) RAM 512MB (Minimum); 2GB (Recommended) Hard Disk Up to 100MB of available space Display 1024x768, 256 colors (Minimum); 1024x768 high color, 32-bit (Recommended) Active Internet connection CCNA Portable Command Guide (CCNA Self-Study) [Cisco Press](#) CCNA Portable Command Guide Second Edition All the CCNA 640-802 commands in one compact, portable resource Preparing for the CCNA® exam? Here are all the CCNA-level commands you need in one condensed, portable resource. The CCNA Portable Command Guide, Second Edition, is filled with valuable, easy-to-access information and is portable enough for use whether you're in the server room or the equipment closet. This book has been completely updated to cover topics in the ICND1 640-822, ICND2 640-816, and CCNA 640-802 exams. Use this quick reference resource to help you memorize commands and concepts as you work to pass the CCNA exam. The guide summarizes all CCNA certification-level Cisco IOS® Software commands, keywords, command arguments, and associated prompts, providing you with tips and examples of how to apply the commands to real-world scenarios. Configuration examples throughout the book provide you with a better understanding of how these commands are used in simple network designs. The ten topics covered are TCP/IP An Introduction to Cisco Devices Configuring a Router Routing Switching Implementing a Wireless LAN Network Administration and Troubleshooting Managing IP Services WANs Network Security Scott Empson is currently the associate chair of the bachelor of applied information systems technology degree program at the Northern Alberta Institute of Technology in Edmonton, Alberta, Canada, teaching Cisco® routing, switching, and network design courses in certificate, diploma, and applied degree programs at the post-secondary level. He is also the program coordinator of the Cisco Networking Academy® Program at NAIT, a Regional Academy covering central and northern Alberta. He has earned three undergraduate degrees and currently holds several industry certifications, including CCNP®, CCDA®, CCAI, and Network+®. Access all CCNA commands-use as a quick, offline resource for research and solutions Logical how-to topic groupings provide one-stop research Great for review before CCNA certification exams Compact size makes it easy to carry with you, wherever you go "Create Your Own Journal" section with blank, lined pages allows you to personalize the book for your needs "What Do You Want to Do?" chart inside back cover helps you to quickly reference specific tasks This book is part of the Cisco Press® Certification Self-Study Product Family, which offers readers a self-paced study routine

for Cisco® certification exams. Titles in the Cisco Press Certification Self-Study Product Family are part of a recommended learning program from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. Category: Cisco Press–Cisco Certification Covers: CCNA Exam (640-822 ICND1, 640-816 ICND2, and 640-802 CCNA) Accessing the WAN, CCNA Exploration Companion Guide [Cisco Press Accessing the WAN CCNA Exploration Companion Guide](#) Bob Vachon Rick Graziani Accessing the WAN, CCNA Exploration Companion Guide is the official supplemental textbook for the Accessing the WAN course in the Cisco Networking Academy CCNA Exploration curriculum version 4. This course discusses the WAN technologies and network services required by converged applications in enterprise networks. The Companion Guide, written and edited by Networking Academy instructors, is designed as a portable desk reference to use anytime, anywhere. The book's features reinforce the material in the course to help you focus on important concepts and organize your study time for exams. New and improved features help you study and succeed in this course: Chapter objectives: Review core concepts by answering the focus questions listed at the beginning of each chapter. Key terms: Refer to the updated lists of networking vocabulary introduced and turn to the highlighted terms in context in each chapter. Glossary: Consult the all-new comprehensive glossary with more than 250 terms. Check Your Understanding questions and answer key: Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. The answer key explains each answer. Challenge questions and activities: Strive to ace more challenging review questions and activities designed to prepare you for the complex styles of questions you might see on the CCNA exam. The answer key explains each answer. Bob Vachon is the coordinator of the Computer Systems Technology program and teaches networking infrastructure courses at Cambrian College in Sudbury, Ontario, Canada. Bob has worked and taught in the computer networking and information technology field for 25 years and is a scholar graduate of Cambrian College. Rick Graziani teaches computer science and computer networking courses at Cabrillo College in Aptos, California. Rick has worked and taught in the computer networking and information technology field for 30 years. How To: Look for this icon to study the steps that you need to learn to perform certain tasks. Packet Tracer Activities: Explore networking concepts in activities interspersed throughout some chapters using Packet Tracer v4.1 developed by Cisco. The files for these activities are on the accompanying CD-ROM. 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