

## Read Online Ccnp Route Lab 2nd Edition

# Ccnp Route Lab 2nd Edition

*bull; Comprehensive,  
portable desk reference  
that compliments the  
online course bull;  
Written by Networking  
Academy instructors that  
are experts in the  
academic environment bull;  
Helps prepare for the CCNP  
BSCI exam  
The only comprehensive  
assessment, review, and  
practice guide for Cisco's  
new Deploying Cisco ASA  
VPN Solutions exam -  
direct from Cisco! \*  
\*Covers every updated*

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***Cisco CCNP Deploying Cisco  
ASA VPN Solutions exam  
topic: architecture,  
policies, inheritance,  
clientless  
VPNs/portals/SSL,  
AnyConnect Remote Access  
VPNs, Cisco Secure  
Desktop, Easy VPN, IPSec  
site-to-site VPNs, and  
more \*New IPv6 coverage,  
plus new CLI examples  
throughout. \*CD contains  
realistic practice tests.  
\*Proven features promote  
efficient study. This is  
Cisco's official,  
comprehensive self-study  
resource for the new  
Deploying Cisco ASA VPN***

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***Solutions (VPN v1.0) exam, required for CCNP Security certification. Designed for beginning-to-intermediate level readers, it covers every objective concisely and logically, with extensive teaching features that promote retention and understanding. Readers will find: \* \*Pre-chapter quizzes to assess knowledge upfront and focus study more efficiently. \*Foundation topics sections that explain concepts and configurations, and link theory to actual***

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***configuration commands.***

***\*Key topics sections  
calling attention to every  
figure, table, and list  
that candidates must know.***

***\*Exam Preparation sections  
with additional chapter  
review features. \*Final  
preparation chapter  
providing tools and a  
complete final study plan.***

***\*Customizable practice  
test library on CD-ROM  
This edition has been  
fully updated for the  
latest exam objectives,  
including new IPv6  
coverage and integrated  
CLI configuration examples  
alongside ASDM***

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***configurations throughout. Go beyond layer 2 broadcast domains with this in-depth tour of advanced link and internetwork layer protocols, and learn how they enable you to expand to larger topologies. An ideal follow-up to Packet Guide to Core Network Protocols, this concise guide dissects several of these protocols to explain their structure and operation. This isn't a book on packet theory. Author Bruce Hartpence built topologies in a lab as he wrote this guide,***

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*and each chapter includes several packet captures. You'll learn about protocol classification, static vs. dynamic topologies, and reasons for installing a particular route. This guide covers: Host routing—Process a routing table and learn how traffic starts out across a network Static routing—Build router routing tables and understand how forwarding decisions are made and processed Spanning Tree Protocol—Learn how this protocol is an integral*

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*part of every network  
containing switches  
Virtual Local Area  
Networks—Use VLANs to  
address the limitations of  
layer 2 networks  
Trunking—Get an indepth  
look at VLAN tagging and  
the 802.1Q protocol  
Routing Information  
Protocol—Understand how  
this distance vector  
protocol works in small,  
modern communication  
networks Open Shortest  
Path First—Discover why  
convergence times of OSPF  
and other link state  
protocols are improved  
over distance vectors*

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*This title will provide students and instructors with printed material for the labs in Semester 5 of the Academy program. In addition to the lab exercises included in the Fifth-Semester Companion Guide, this lab manual will include no fewer than three bonus activities that focus on additional concepts, such as BGP attributes. The bonus exercises provide students with optional labs that can be used as extra credit or more focused study. This lab manual will also contain two*



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*large case studies that are not currently available in any other publication, on-line or otherwise. Students and teachers can use these case studies as group projects, midterms, final projects, or final exam preparation. Finally, the lab manual will contain the following appendices useful to both instructors and students: answers to lab exercise questions, configuration instructions for the Atlas 550, basic troubleshooting techniques, IOS command reference specific to the*

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**labs, and suggested physical lab configuration. The later two sections are currently not available anywhere else.**

**CCIE Routing and Switching v5.0 Troubleshooting Practice Labs presents you with two full troubleshooting lab scenarios in exam style format to echo the real CCIE Routing and Switching v5.0 lab exam. This publication gives you the opportunity to put into practice your own extensive theoretical knowledge of subjects to**

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*find out how they interact with each other on a larger complex scale. An "Ask the Proctor" section list of questions for each section helps provide clarity and maintain direction to ensure that you do not give up and check the answers directly if you find a task too challenging. After each lab, this eBook lets you compare configurations and routing tables with the required answers. You also can run through a lab debrief, view configurations, and cut and paste configs into*

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*your own lab equipment for testing and verification. The point scoring for each question lets you know whether you passed or failed each lab. This extensive set of practice labs that sells for hundreds of dollars elsewhere helps you make sure you are fully prepared for the grueling CCIE Routing and Switching lab exam experience. CCIE Routing and Switching Certification Guide Advanced Routing (ENARSI) V8 Lab Manual CCNA Routing and Switching 200-125 Official Cert*

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**Guide Library  
Implementing and Operating  
Cisco Security Core  
Technologies  
CCNA Rout Swit Com Gd  
ePub\_3  
CCIE Routing and Switching  
Practice Labs  
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**

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***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.***

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***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***

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***reinforce configuration skills.  
Master CCIE Routing and  
Switching 4.0 blueprint exam  
topics Assess your knowledge  
with chapter-opening quizzes  
Review key concepts with  
Exam Preparation Tasks  
Practice with realistic exam  
questions on the CD-ROM  
CCIE Routing and Switching  
Certification Guide, Fourth  
Edition, is a best-of-breed  
Cisco® exam study guide that  
focuses specifically on the  
objectives for the CCIE®  
Routing and Switching written  
exam. Well-respected  
networking professionals  
Wendell Odom, Rus Healy, and***



## Read Online Ccnp Route Lab 2nd Edition

***Denise Donohue share 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. CCIE Routing and Switching Certification Guide, Fourth Edition, 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***

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***decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks sections help drill you on key concepts you must know thoroughly. The companion CD-ROM contains a powerful testing engine that allows you to focus on individual topic areas or take complete, timed exams. The assessment engine also tracks your performance and provides feedback on a module-by-module basis, presenting question-by-question remediation to the***

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***text and laying out a complete study plan for review. 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. CCIE Routing and Switching Certification Guide, Fourth 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***

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***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). The official study guide helps you master all the topics on the CCIE Routing and Switching written exam, including: Bridging and LAN switching IP addressing, IP services, TCP, UDP, and application protocol details Layer 3 forwarding concepts EIGRP, OSPF, and BGP routing protocols Quality of service Frame Relay MPLS IP***

***multicast IPv6 Router and switch security  
Troubleshooting Companion  
CD-ROM The CD-ROM  
contains 200 practice  
questions for the exam. This  
volume is part of the  
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. Category:***

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**Cisco Press-Cisco  
Certification Covers: CCIE  
Routing and Switching written  
exam 350-001 v4.0  
All ENCOR (350-401) and  
ENARSI (300-410) Commands  
in One Compact, Portable  
Resource Use this fully  
updated quick reference  
resource to help memorize  
commands and concepts as  
you earn your CCNP or CCIE  
certification. Filled with  
valuable, easy-to-access  
information, it's portable  
enough to use anywhere. This  
guide summarizes all Cisco  
IOS software commands,  
keywords, command**

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***arguments, and associated prompts associated with the CCNP and CCIE Enterprise Core (ENCOR 350-401) and CCNP Enterprise Advanced Routing and Services (ENARSI 300-410) certification exams. Tips and examples help you apply commands to real-world scenarios, and configuration samples show their use in network designs. Coverage includes: Layer 2: VLANs, STP, Inter-VLAN Routing Layer 3: EIGRP, OSPF, Redistribution, Path Control, BGP Infrastructure Services and Management Infrastructure Security***

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2nd Edition

***Network Assurance Wireless Security and Troubleshooting Overlays and Virtualization This Portable Command Guide provides: Logical how-to topic groupings for a one-stop resource Great for review before your ENCOR 350-401 and ENARSI 300-410 certification exams Compact size makes it easy to carry with you wherever you go “Create Your Own Journal” section with blank, lined pages enables you to personalize the book for your needs This book is part of the Cisco Press Certification Self-Study Product Family, which offers***



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***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.***

***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***

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***practice to help ensure you are fully prepared for your certification exam. · Master Cisco CCNA 200-301 exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam preparation tasks · Practice with realistic exam questions in the practice test software This is the eBook edition of the CCNA 200-301 Official Cert Guide, Volume 1. This eBook, combined with the CCNA 200-301 Official Cert Guide Volume 2, cover all of exam topics on the CCNA 200-301 exam. This eBook does not***

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***include the practice exams that comes with the print edition. CCNA 200-301 Official Cert Guide , Volume 1 presents you with an organized test-preparation routine using 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 200-301 Official Cert Guide, Volume 1***

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***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***

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***on each section · Chapter-ending and part-ending exercises, which help you drill on key concepts you must know thoroughly · The powerful Pearson Test Prep Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports · A free copy of the CCNA 200-301 Volume 1 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***

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***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 90 minutes 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***

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**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. The CCNA 200-301 Official Cert Guide, Volume 1, combined with CCNA 200-301 Official Cert Guide, Volume 2, walk you through all the exam topics found in the Cisco 200-301 exam. Topics covered in Volume 1 include:**

- Networking fundamentals**
- Implementing Ethernet LANs**
- Implementing VLANs and STP**
- IPv4 addressing**
- IPv4 routing**
- OSPF**
- IPv6**

***Wireless LANs Companion Website: The companion website contains the CCNA Network Simulator Lite software, online practice exercises, study resources, and 90 minutes of video training. 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 CCNA 200-301 Network Simulator Lite, Volume 1 software included for free on the***



***companion website that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 21 free lab exercises, covering topics in Part II and Part III, the first hands-on configuration sections of the book: 1. Configuring Local Usernames 2. Configuring Hostnames 3. Interface Status I 4. Interface Status II 5. Interface Status III 6. Interface Status IV 7. Configuring Switch IP Settings 8. Switch IP Address 9. Switch IP Connectivity I 10. Switch CLI***

**Configuration Process I 11. Switch CLI Configuration Process II 12. Switch CLI Exec Mode 13. Setting Switch Passwords 14. Interface Settings I 15. Interface Settings II 16. Interface Settings III 17. Switch Forwarding I 18. Switch Security I 19. Switch Interfaces and Forwarding Configuration Scenario 20. Configuring VLANs Configuration Scenario 21. VLAN Troubleshooting**

**Pearson Test Prep online system requirements:**  
**Browsers: Chrome version 73 and above; Safari version 12 and above; Microsoft Edge 44**

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***and above Devices: Desktop and laptop computers, tablets running on Android v8.0 and iOS v13, smartphones with a minimum screen size of 4.7".***

***Internet access required***

***Pearson Test Prep offline system requirements:***

***Windows 10, Windows 8.1;***

***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***

***Trust the best-selling Official***

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***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. This book, combined with CCNA 200-301 Official Cert Guide, Volume 1, covers all the exam topics on the CCNA 200-301 exam. · Master Cisco CCNA 200-301 exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam preparation tasks This is the***

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***eBook edition of CCNA 200-301 Official Cert Guide, Volume 2. This eBook does not include access to the Pearson Test Prep practice exams that comes with the print edition. CCNA 200-301 Official Cert Guide, Volume 2 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 200-301 Official Cert Guide, Volume 2 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 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***

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***help you pass the exams · Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section · Chapter-ending Key Topic tables, which help you drill on key concepts you must know thoroughly · The powerful Pearson Test Prep Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports · A free copy of the CCNA 200-301 Network Simulator, Volume 2 Lite software, complete with meaningful lab***

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***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 50 minutes of video mentoring from the author · An online interactive Flash Cards application to help you drill on Key Terms by chapter · A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies · Study plan***



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***suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, hands-on labs, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCNA 200-301 Official Cert Guide, Volume 2, combined with CCNA 200-301 Official Cert Guide, Volume 1, walk you through all the exam topics found in the Cisco 200-301 exam. Topics covered in Volume 2 include . IP***

***access control lists · Security services · IP services · Network architecture · Network automation Companion Website: Companion Website: The companion website contains CCNA Network Simulator Lite software, practice exercises, 50 minutes of video training, and other study resources. See the Where Are the Companion Files on the last page of your eBook file for instructions on how to access. In addition to the wealth of content, this new edition includes a series of free hands-on exercises to help you master several real-***

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***world configuration activities.  
These exercises can be  
performed on the CCNA  
200-301 Network Simulator  
Lite, Volume 2 software  
included for free on the  
companion website that  
accompanies this book.  
CCNA 200-301 Official Cert  
Guide, Volume 1  
CCNP BCMSN Exam  
Certification Guide  
CCNP Routing and Switching  
SWITCH 300-115 Lab  
Workbook  
Exam 37 Cert Guide  
All ENCOR (350-401) and  
ENARSI (300-410) Commands  
in One Compact, Portable***

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## **Resource**

### **Exploring the Network Layer**

*The only authorized Lab Manual for the Cisco Networking Academy CCNP Version 7 TSHOOT 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: Troubleshooting and Maintaining*

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*IP Networks. CCNP TSHOOT:*

*Troubleshooting and Maintaining Cisco IP Networks This course teaches students how to monitor and maintain complex, enterprise routed and switched IP networks. Skills learned include the planning and execution of regular network maintenance, as well as support and troubleshooting using technology-based processes and best practices, based on systematic and industry-recognized approaches. Extensive labs emphasize hands-on learning and practice to reinforce troubleshooting techniques. CCNP ROUTE and CCNP SWITCH are both prerequisites for this course. The 12 comprehensive labs in this manual emphasize hands-on learning and practice to reinforce configuration skills. "*

*CCIE-level Cisco routing and switching guide for every CCNP Preparing for the CCIE Routing and Switching lab exam typically involves deep and lengthy study.*

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*But if you already possess the Cisco CCNP Routing and Switching certification, you already know much of what you'll need to succeed on CCIE's labs. This book will help you quickly bridge your remaining knowledge gaps and make the most of everything you already know. CCIE Routing and Switching v5.1 Foundations addresses every segment of the CCIE R&S Version 5 blueprint, helping you focus your study where it will do the most good: intense hands-on practice to deepen your current knowledge and thorough explanations of theoretical topics you haven't yet encountered. Based on the author's industry-recognized CCIE prep classes, it includes 40+ detailed labs for real gear and platform emulators; structured illustrations of protocol and feature operation; and topic-specific labs to drive the theory home. It includes a full lab walkthrough of a complex configuration reflective of the*

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*actual CCIE-ensuring that you thoroughly understand the technologies and interactions you're reading about. Discover the physical topology for any network deployment Master Spanning Tree Protocol (STP) foundations and advanced features Deploy and optimize PPP and use its full set of capabilities Implement Dynamic Multipoint VPNs (DMVPNs) from start to finish Use IP Prefix lists in prefix filtration, packet filtering, and other applications Handle any RIPv2 deployment scenario n Implement EIGRP, including classical and named operation modes and interoperation Use advanced OSPF techniques, including route filtration, LSA operation, stub configurations, and update filtering Understand what happens when you perform redistribution, and manage problematic scenarios Manage complex BGP capabilities, including Adjacency State Machine Operate IPv6 in complex network*

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*environments, including DMVPN Focus on QoS mechanisms that CCIE still covers, including traffic marking, classification, policing, and shaping Deploy IPsec VPN solutions including GRE/IPSec tunnel mode, multi-site VPN technologies, and their encryption Implement multicasting in environments requiring end-to-end IPv4 and IPv6 transport Address operational and deployment issues involving MPLS VPNv4 tunnels*

*CCNP ROUTE Lab Manual Cisco Systems  
Cisco Press is the Official publisher for the New CCENT & 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 Exercises, and 150 Minutes of Video Training -- PLUS the CCENT and CCNA Network Simulator Lite Editions with 26 Free Network Simulator Labs. CCNA 200-120 Official Cert Guide*



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*Library is a comprehensive review and package for the latest CCNA exams. The two books contained in this package, CCENT/CCNA ICND1 100-101 Official Cert Guide and CCNA ICND2 200-101 Official Cert Guide, present complete reviews and a more challenging and realistic preparation experience. The books have been fully updated to refresh the content for the latest CCNA exam topics and enhance certain key topics that are critical for exam success. This is the eBook version of the print title - 2 book library . Note that the eBooks do not provide access to the practice test software that accompanies the print books. Access to the personal video mentoring and simulator lite software is available through product registration at Cisco Press; or see instructions in back pages of your eBooks. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips,*

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*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 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 More than 150 minutes of personal video mentoring from the author Final preparation chapters, which guide you through tools and resources to help you craft your review and test-taking*

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*strategies Study plan suggestions and templates to help you organize and optimize your study time These official study guides help you master all the topics on the CCNA exams, including: Networking fundamentals Ethernet LANs and switches IPv4 addressing and subnetting Operating Cisco routers Configuring OSPF ACLs and NAT IPv6 fundamentals, implementation, and troubleshooting LAN switching IPv4 routing VPNs OSPF and EIGRP configuration and troubleshooting Wide area networks and Frame Relay Network management 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. Wendell Odom, CCIE No. 1624, is the most respected author of Cisco networking books in the world. His past titles include books on*

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*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. Includes 26 free CCNA Network Simulator labs: ICND1*

- 1. Configuring IP Addresses I*
- 2. Configuring IP Addresses II*
- 3. Connected Routes*
- 4. Static Routes I*
- 5. Static Routes II*
- 6. Subnet Zero*
- 7. Loopback Interfaces*
- 8. Subnet ID Calculation*
- 9. IPv4 Address Rejection*
- 10. IPv4 Route Selection*
- 11. Subnetting and Addressing Configuration Scenario*
- 12. Static Routing Configuration Scenario*
- 13. Network Discovery Troubleshooting Scenario*

*ICND2*

- 1. EIGRP Serial Configuration I*
- 2. EIGRP Serial Configuration II*
- 3. EIGRP Serial*

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*Configuration III 4. EIGRP Frame Relay  
Configuration I 5. EIGRP Frame Relay  
Configuration II 6. EIGRP Route Tuning I  
7. EIGRP Route Tuning II 8. EIGRP  
Neighbors II 9. EIGRP Neighbors III 10.  
EIGRP Configuration Scenario I 11. EIGRP  
Configuration Scenario II 12. EIGRP Metric  
Manipulation Configuration Scenario 13.  
Path Troubleshooting Scenario CCENT and  
CCNA Network Simulator Lite minimum  
system requirements: Microsoft Windows  
XP (SP2/SP3), Windows Vista  
(32-bit/64-bit) with SP1, Windows 7  
(32-bit/64-bit) or Windows 8  
(32-bit/64-bit), Mac OS X 10.6, 10.7, or  
10.8 Intel® Pentium® III 1GHz or faster  
processor (Windows) or Intel Core™ Duo  
1.83GHz or faster processor (Mac) 512 MB  
RAM (1 GB recommended) 1.5 GB hard  
disk space 32-bit color depth at 1024 x 768  
resolution Adobe Acrobat Reader version  
8.0 or higher Other applications installed*

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*during installation: Adobe AIR 3.6.0*

*Captive JRE 6*

*"Mastering Cisco Routers" takes a practical approach to what users need to know to use Cisco routers in the real world. Written by an internetworking expert, this book illustrates the business case for switching and routing, then shows how hubs, bridges, and Layer 2 switches fit into a network.*

*Bridging the Gap Between CCNP and CCIE  
CCIE Routing and Switching V5. 1*

*Foundations*

*CCNP Self-study*

*CCNA Routing and Switching Complete  
Review Guide*

*Mastering Cisco Routers*

*CCNP and CCIE Enterprise Core & CCNP  
Advanced Routing Portable Command  
Guide*

**By using everyday, familiar systems such as the postal**

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system, the telephone system, airports, and interstate highways and comparing them to the concepts and terminology used in IP routing and IP routing protocols, this reader-friendly guide gives a simple, clear understanding of what IP routing truly means. Original. (Beginner) The CCNA 200-301 Network Simulator is a single-user software package. It helps users develop and improve hands-on configuration and troubleshooting skills without the investment in expensive lab hardware. This state-of-the-art, interactive simulation software enables you to practice your networking skills

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Wendell Odom, CCIE® No. 1624, is a 28-year veteran of the networking industry. He currently works as an independent author of Cisco certification resources and occasional instructor of Cisco authorized training for Skyline ATS. He has worked as a network engineer, consultant, systems engineer, instructor, and course developer. He is the author of several best-selling Cisco certification titles. He maintains lists of current titles, links to Wendell's blogs, and other

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III 4. ACL IV 5. ACL V 6.  
ACL VI 7. ACL Analysis I 8.  
Named ACL I 9. Named ACL II  
10. Named ACL III 11.  
Standard ACL Configuration  
Scenario 12. Extended ACL I  
Configuration Scenario 13.  
Extended ACL II  
Configuration Scenario CCNA  
Network Simulator Lite  
System Requirements: Windows  
system requirements  
(minimum): Windows 10  
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(32/64-bit), or Windows 7  
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