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# Ccna Lab Workbook Packet Tracer

Eventually, you will unquestionably discover a further experience and capability by spending more cash. still when? accomplish you admit that you require to get those every needs considering having significantly cash? Why dont you try to acquire something basic in the beginning? Thats something that will lead you to comprehend even more more or less the globe, experience, some places, as soon as history, amusement, and a lot more?

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*Network Fundamentals*  
Cisco Press  
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 with hundreds of structured labs designed to help you learn by doing, the most effective method of learning. Experience realistic network device responses as you perform each lab, which

include detailed instructions, topology diagrams, critical thinking questions, hints, and answers. Working through the labs, you will quickly become proficient with all the common Cisco IOS router and switch commands on the CCNA exam. Unlike other simulators on the market, the lab scenarios included in the CCNA 200-301 Network Simulator are far more complex, challenging you to learn how to perform real-world network configuration and troubleshooting tasks.

101 Labs - Comptia Network+ Cisco Press  
CCNA v3 Lab Guide: Routing and Switching 200-125 provides the configuration skills necessary to pass the CCNA v3 exam. The CCNA 200-125 candidate must answer technical questions and have the skills required to configure, verify and troubleshoot network connectivity. There are 44 labs that start from basic global configuration to more complex network troubleshooting of routers and switches. There is coverage of IPv6 addressing, WAN connectivity, ACLs and NAT that are all based on CCNA v3 exam guidelines. The troubleshooting questions are a key aspect of the CCNA exam. You will learn a standard troubleshooting methodology required for CCNA v3 style questions. The step-by-step format includes analysis and resolution of errors. In addition there is an extended lab with multiple routing and switching errors. The lab guide is based on the book CCNA v3 Routing and Switching 200-125. Official Cisco CCNA v3 Routing and Switching Download Packet Tracer and 44 Ready Labs Initial Global Configuration, System Management Device Security, VLANs, Access Ports, Port Security Static Trunking, EtherChannel,

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Rapid STP, PortFast IPv4 Addressing, Subnetting, Static and Default Routes Multi-Area OSPF, EIGRP for IPv4, RIPv2, ACLs, NAT Inter-VLAN Routing, Default Gateway, DHCP, eBGP IPv6 Addressing, Link Local, SLAAC, Global Unicast Network Troubleshooting, Traceroute, Ping, IOS Tools Accessing the WAN Pearson IT Certification

The Cisco(R) Networking Academy(R) course on CCNA(R) Security is a hands-on, career-oriented e-learning solution with an emphasis on practical experience to help students develop specialized security skills to expand their CCENT-level skill set and advance their career. The curriculum helps prepare students for entry-level security career opportunities and the Implementing Cisco IOS(R) Network Security (IINS) certification exam (210-260) leading to the Cisco CCNA Security certification. The CCNA Security Lab Manual provides all 15 labs from the course designed as hands-on practice to develop critical thinking and complex problem-solving skills needed to prepare for entry-level security specialist careers. Through procedural, skills integration challenges, troubleshooting, and model building labs, this CCNA Security course aims to develop in-depth understanding of network security principles as well as the tools and configurations used.

**CCNA: Cisco Certified Network Associate** Pearson IT Certification

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,

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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

**CCNP Routing and Switching SWITCH 300-115 Official Cert Guide**

K.Mohan  
The only authorized Lab & Study Guide for the Cisco Networking Academy Enterprise Networking, Security, and Automation v7.0 (ENSA) course in the CCNA3 Routing and Switching curriculum. Each chapter of this book is divided into a Study Guide section followed by a Lab section. The Study Guide sections offer exercises that help you learn the

concepts, configurations, and troubleshooting skills crucial to your success as a CCNA exam candidate. Each chapter is slightly different and includes some or all of the following types of exercises:  
Vocabulary Matching Exercises  
Concept Questions Exercises  
Skill-Building Activities and Scenarios  
Configuration Scenarios  
Packet Tracer Exercises  
Troubleshooting Scenarios  
The Labs & Activities sections include all the labs and Packet Tracer activities from the online curriculum. If applicable, this section begins with a Command Reference, an exercise where the reader matches commands.

**CCNA 200-301 Official Cert Guide, Volume 1**  
Cisco Press  
101 Labs - Book

Series Experts agree that we retain only 10% of what we read but 90% of what we do. Perhaps this explains why the global pass rate for most IT exams is a ghastly 40%. This is where the 101 Labs book series can help. We are revolutionizing how IT people train for their exams and the real world with our Learn - By - Doing teaching method. 101 Labs' mission is to turn you into an IT expert by doing instead of reading. Using free software and free trials, our experts take you by the hand and walk you through every aspect of the protocols and technologies you will encounter in your IT career. We share our configuration tips and tricks with you as well as how to avoid the common mistakes many novice engineers make, which can quickly become

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career-ending. 101 Labs - CompTIA Network] This book is designed to help you pass the new N10-007 exam. It now features Performance-based questions (PBQs). These questions test your configuration and troubleshooting skills and add a new level of complexity to the exam. The only way to answer these types of questions is to have hands-on experience with the protocols and technology listed in the exam syllabus. The Network+ exam is probably the most useful exam in the IT industry. It equips you with all the necessary knowledge you need in order to work with other IT professionals and work in the IT industry. You learn TCP/IP, security, networking protocols and standards, best practices,

subnetting and IP addressing, IPv6, troubleshooting tools and software, security, wireless, routing protocol basics, and much more. CompTIA presumes around 9-12 months of on-the-job experience for all of its exams, but of course, most of the students who take the exam don't have this. Even if they are working in IT roles, such as in helpdesk or server support, they will have been exposed to only a tiny number of the skills tested in the exam. Doing all the labs in this book will give you that experience. Please use the free resources at [www.101labs.net/resources](http://www.101labs.net/resources) which will help you with the labs. About the Author Paul Browning left behind a career in law enforcement in 2000 and started an IT consulting and training company. He's written over

15 best selling IT books and through his books, classroom courses, and websites he's trained tens of thousands of people from all walks of life. He's spent the last 16 years dedicated to training and teaching IT students from all walks of life to pass their exams and enjoy a rewarding career.

**Packet Tracer Network Simulator** Pearson Education  
Routing Protocols and Concepts CCNA Exploration Companion Guide Routing Protocols and Concepts, CCNA Exploration Companion Guide is the official supplemental textbook for the Routing Protocols and Concepts course in the Cisco Networking Academy® CCNA® Exploration curriculum version 4. This course describes the architecture, components, and operation of routers, and explains the principles of routing and the primary

routing protocols. 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 comprehensive glossary with more than 150 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. Rick Graziani has been a computer science and networking instructor at Cabrillo College since 1994. Allan Johnson works full time developing curriculum for Cisco Networking Academy. Allan also is a part-time instructor at Del Mar College in Corpus Christi, Texas. How To-Look for this icon to study the steps 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. Also available for the Routing Protocols and Concepts Course: Routing Protocols and Concepts CCNA Exploration Labs and Study Guide ISBN-10: 1-58713-204-4 ISBN-13: 978-1-58713-204-9 Companion CD-ROM \*\*See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.\*\* The CD-ROM provides many useful tools and information to support your education: Packet Tracer Activity exercise files v4.1 A Guide to Using a Networker's Journal booklet Taking Notes: a .txt file of the chapter objectives More IT Career Information Tips on Lifelong Learning in Networking This book is part of the Cisco Networking Academy Series from Cisco Press®. The products in this series support and complement the Cisco Networking Academy online curriculum. **CCNA 1 V7 Labs and**

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lab contains an  
introductory  
overview, a  
preparation/tools  
required section,  
explanations of  
commands, and step-  
by-step  
instructions to  
reinforce the  
concepts introduced  
in the online  
course and covered  
in the Companion  
Guide. Also  
included are  
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written by Academy  
instructors, tested  
in their classrooms  
will be included as  
additional or  
alternative labs.  
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section is designed  
to provide  
additional  
exercises and  
activities to  
reinforce students'  
understanding of  
the course topics,  
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understanding of  
the course topics,  
preparing them for  
the course

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assessments. As a study guide it also continues to provide ample writing opportunities to guide students into the habit of keeping notes on networking topics.

**CCNA 200-301 Official Cert Guide Library**  
Cisco Press  
Network Fundamentals, CCNA Exploration Companion Guide is the official supplemental textbook for the Network Fundamentals course in the Cisco® Networking Academy® CCNA® Exploration curriculum version 4. The course, the first of four in the new curriculum, is based on a top-down approach to networking. 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 highlighted in context in each chapter. Glossary-Consult the 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. How To-Look for this icon to study the steps 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. Also available for the Network Fundamentals Course Network Fundamentals, CCNA Exploration Labs and Study Guide ISBN-10: 1-58713-203-6 ISBN-13: 978-1-58713-203-2 Companion CD-ROM \*\*See instructions within the ebook on how to get access to the files from the CD-ROM that accompanies this print book.\*\* The CD-ROM provides many useful tools and information to support your education: Packet Tracer Activity exercise files v4.1 VLSM Subnetting Chart Structured Cabling Exploration

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Supplement Taking Notes: a .txt file of the chapter objectives A Guide to Using a Networker's Journal booklet IT Career Information Tips on Lifelong Learning in Networking This book is part of the Cisco Networking Academy Series from Cisco Press®. The products in this series support and complement the Cisco Networking Academy online curriculum. *101 Labs - Cisco CCNA BookRix* 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. 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 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 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 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 A free copy of the *CCNA 200-301 Network Simulator, Volume 2 Lite* software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches Links to a series of hands-on config labs developed by the author Online interactive practice exercises that help you enhance your knowledge More than 50 minutes of video



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mentoring from the author An online interactive Flash Cards application to help you drill on Key Terms by chapter A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you 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: 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-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 Voice Lab Manual* Cisco Press A practical, fast-paced guide that gives you all the information you need to successfully create networks and simulate them using Packet Tracer. Packet Tracer Network Simulator is aimed at students, instructors, and network administrators who wish to use this simulator to learn how to perform networking instead of investing in expensive, specialized hardware. This book assumes that you have a good amount of Cisco networking knowledge, and it will focus more on Packet Tracer rather than networking.

**Routing and Switching Essentials Companion Guide** Cisco Press CD-ROM includes additional topics of interest, interactive media activities and Packet Tracer v3.2.

**CCNA Labs: Routing and Switching Lab Companion** CCNA Labs: Routing and Switching is a configuration workbook designed to provide lab skills necessary for the CCNA certification exam. Learn how to configure and verify network connectivity for all exam topics. There is coverage

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for ICND1 100-105 exam, ICND2 200-105 exam and 200-125 exam. Packet tracer ready labs start from basic global configuration to more complex routing and switching topics. CCNA break/fix simulation lab is included with various configuration errors for you to troubleshoot and resolve. There is new coverage of IPv6 addressing and WAN protocols as well based on CCNA v3 exam guidelines. The workbook is portable to labs based on Cisco physical equipment or GNS3.

Introduction Packet Tracer Lab  
 Conventions Initial Global Configuration Lab  
 1-1: Global Commands Lab  
 1-2: System Management LAN Switching Technologies Lab  
 2-1: Create VLANs Lab  
 2-2: Access Ports Lab  
 2-3: Static Trunking Lab  
 2-4: EtherChannel Lab  
 2-5: Rapid STP Lab  
 2-6: PortFast Lab  
 2-7: Root Bridge Selection Lab  
 2-8: VLAN Trunking Protocol Routing Technologies Lab  
 3-1: IPv4 Addressing Lab  
 3-2: Static Route Lab  
 3-3: Default Route Lab  
 3-4: Floating Static Route Lab  
 3-5: Subnetting Lab  
 3-6: Multi-Area OSPFv2 Lab  
 3-7: Multi-Area OSPFv3 Lab  
 3-8: EIGRP for IPv4 Lab  
 3-9: EIGRP for IPv6 Lab  
 3-10: RIPv2 Lab  
 3-11: Inter-VLAN Routing Lab  
 3-12: External BGP (eBGP) IPv6 Addressing Lab  
 4-1: Link-Local Lab  
 4-2: Autoconfiguration Lab  
 4-3: Global Unicast IPv6 Default Route Infrastructure Security Lab  
 5-1: Device Passwords Lab  
 5-2: Port Security Lab  
 5-3: Named ACL Lab  
 5-4: Extended ACL-1 Lab  
 5-5: Extended ACL-2 Lab  
 5-6: DHCP Snooping Infrastructure Services Lab  
 6-1: Port Address Translation Lab  
 6-2: Static NAT Lab  
 6-3: Hot Standby Router Protocol Infrastructure Maintenance Lab  
 7-1: Managing Switches Lab  
 7-2: Managing Routers Lab  
 7-3: Password Recovery Lab  
 7-4: IOS Upgrade Supplemental Tools  
 CCNA SIM: Routing and Switching IOS Show Command Reference  
 CCNA Configuration Reference

**Introduction to Networks V6 Labs and Study Guide** Cisco Press

'Network Fundamentals' is a complete collection of the exercises specifically written for the CCNA Exploration course in the Cisco Networking Academy Program. The book is designed to give students practice exercises and hands-on labs to study the course concepts in-depth.

*Routing Protocols and Concepts* John Wiley & Sons

Organized by exam objectives, this is a

focused, concise review guide that works hand-in-hand with any learning tool, including the Sybex CCNA: Cisco Certified Network Associate Study Guide, 6th and Deluxe editions. The book will consist of four high-level chapters, each mapping to the four main Domains of the exam skill-set. The book will drill down into the specifics of the exam, covering the following: Designing Cisco internetworks  
Developing an access list  
Evaluating TCP/IP communication  
Configuring routers and switches  
Configuring IP addresses, subnet masks, and gateway addresses  
Performing LAN, VLAN, and WAN troubleshooting  
Understanding rules for packet control  
The interactive CD contains two bonus exams, handy flashcard questions, and a searchable PDF of a Glossary of Terms.

**CISCO PACKET TRACER LABS** Cisco Press  
This book covers CCNA Labs for the following topics.  
Basics of networking  
Introduction to "Cisco Packet Tracer Student"  
Basic configuration using "Cisco Packet Tracer Student"  
Routing Labs  
Static routing  
Dynamic routing using RIPv2  
Dynamic routing using EIGRP  
OSPF  
Multiple area  
Standard ACL  
Extended ACL  
Static NAT  
Dynamic NAT  
PAT  
*CCNA Routing and Switching 200-125 Official Cert Guide Library*  
Cisco Press  
CCNA 200-301 Official Cert Guide Library is a comprehensive review and practice package for the latest CCNA exam and is the only self-study resource approved by Cisco. The two books contained in this package, CCNA 200-301 Official Cert Guide, Volume 1 and CCNA 200-301 Official Cert Guide, Volume 2, present complete reviews and a challenging and realistic preparation experience. 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 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 exam  
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 exam-realistic questions, customization options, and detailed performance reports  
A free copy of the Network Simulator Lite Volumes 1 and 2 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

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config labs developed lists Security to help ensure you  
by the author Online, services IP services are fully prepared  
interactive practice Network architecture for your  
exercises that help Network automation certification exam.  
you enhance your Companion Website The Master Cisco CCNP  
knowledge and hone companion website SWITCH 300-115 exam  
your configuration contains more than topics Assess your  
skills More than 8 800 unique practice knowledge with  
hours of video exam questions, CCNA chapter-opening  
mentoring from the Network Simulator quizzes Review key  
author An online, Lite software, online concepts with exam  
interactive Flash practice exercises, preparation tasks  
Cards application to online flash cards, This is the eBook  
help you drill on Key and more than 8 hours edition of the CCNP  
Terms by chapter A of video training. Routing and Switching  
final preparation Content Update SWITCH 300-115  
chapter, which guides Program This fully Official Cert Guide.  
you through tools and updated second This eBook does not  
resources to help you edition includes the include the companion  
craft your review and latest topics and CD-ROM with practice  
test-taking additional exam that comes with  
strategies Study plan information covering the print edition.  
suggestions and changes to the latest CCNP Routing and  
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CCNA exam, including to Cisco exam the only self-study  
Networking blueprint version resource approved by  
fundamentals changes. Cisco. Expert  
Implementing Ethernet CCNA 200-301 Exam engineer David Hucaby  
LANs Implementing Cram Cisco Press shares preparation  
VLANs Implementing Trust the best- hints and test-taking  
STP, including BPDU selling Official Cert tips, helping you  
Guard, BPDU Filter, Guide series from identify areas of  
Root Guard, and Loop Cisco Press to help weakness and improve  
Guard IPv4 addressing you learn, prepare, both your conceptual  
and subnetting IPv4 and practice for exam knowledge and hands-  
routing Implementing success. They are on skills. This  
OSPF IPv6 addressing, built with the complete, official  
subnetting, and objective of study package  
routing Wireless LANs providing assessment, includes A test-  
IP access control review, and practice preparation routine

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proven to help you pass the exam Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending exercises, which help you drill on key concepts you must know thoroughly The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports More than 60 minutes of personal video mentoring from the author on important exam topics A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCNP Routing and Switching SWITCH 300-115 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com](http://www.cisco.com). The official study guide helps you master topics on the CCNP R&S SWITCH 300-115 exam, including: Enterprise campus design Switch operation Switch port configuration VLANs, Trunks, and VLAN Trunking Protocol (VTP) Spanning Tree Protocol (STP), RSTP, and MSTP Protecting the STP topology Aggregating switch links Multilayer switching Configuring DHCP Logging switch activity and managing switches with SNMP Monitoring performance and traffic High availability Securing switched networks