

Online Library Cisco Netacad  
Chapter 4 Test Answers

# Cisco Netacad Chapter 4 Test Answers

*CCNA 200-301 Exam Cram,  
Sixth Edition This is the  
eBook version of the print  
title. Note that the eBook*

# Online Library Cisco Netacad Chapter 4 Test Answers

*does not provide access to the practice test software that accompanies the print book. CCNA 200-301 Exam Cram, Sixth Edition is the perfect study guide to help you pass the Cisco 200-301 CCNA exam, providing*

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*coverage and practice  
questions for every exam  
topic. The book contains an  
extensive set of preparation  
tools, including topic  
overviews, exam alerts, Cram  
Savers, Cram Quizzes,  
chapter-ending review*

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*questions, author notes and tips, Packet Tracer labs, and an extensive glossary. The book also contains the extremely useful Cram Sheet tear-out: a collection of essential facts in an easy to review format. Covers the*

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*critical information you'll  
need to know to score higher  
on your CCNA exam!*

*Understand networking  
fundamentals concepts,  
including network  
components, network topology  
architectures, physical*

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## Chapter 4 Test Answers

*interfaces and cabling  
types, TCP and UDP, wireless  
principals, switching  
concepts, and virtualization  
fundamentals Master IPv4  
addressing and subnetting  
and configure IPv6 Configure  
and verify VLANs,*

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*interswitch connectivity,  
and Layer 2 discovery  
protocols Describe Rapid  
PVST+ Spanning Tree Protocol  
Compare Cisco Wireless  
Architectures and AP Modes  
Configure and verify IPv4  
and IPv6 static routing and*

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*single area OSPF Understand  
DHCP, DNS, and other  
networking services like  
SNMP, syslog, SSH, and  
TFTP/FTP Configure and  
verify inside source NAT and  
NTP Enable security  
technologies including*



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## Chapter 4 Test Answers

*device access control, site-to-site and remote access VPNs, ACLs, Layer 2 security features, and wireless security protocols*

*Understand how automation impacts network management, controller-based and*

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*software defined architectures, and Cisco DNA Center enabled device management Understand network programmability concepts, including characteristics of REST-based APIs (CRUD, HTTP*

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*verbs, and data encoding),  
configuration management  
mechanisms such as Puppet,  
Chef, and Ansible, and learn  
to Interpret JSON encoded  
data COMPANION WEBSITE The  
companion website provides  
access to several digital*

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*assets including the  
Glossary, hands-on Packet  
Tracer lab, the command  
reference and Cram Sheet.  
CCNA 200-301 Exam Cram,  
Sixth Edition Companion  
Website Access interactive  
study tools on this book's*

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*companion website, including the Glossary, Packet Tracer lab files, Command Reference, and Cram Sheet To access the companion website, simply follow these steps: 1. Go to [www.pearsonitcertification.com/register](http://www.pearsonitcertification.com/register).*

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- 2. Enter the print book ISBN: 9780136632887. 3. Answer the security question to validate your purchase.*
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support team by going to  
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*.*

*CCNP Enterprise Design ENSLD*

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*300-420 Official Cert Guide:  
Designing Cisco Enterprise  
Networks from Cisco Press  
allows you to succeed on the  
exam the first time and is  
the only self-study resource  
approved by Cisco. Expert  
authors Anthony Bruno and*



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*Steve Jordan share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package*

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*you drill on key concepts  
you must know thoroughly The  
powerful Pearson Test Prep  
Practice Test software,  
complete with hundreds of  
wellreviewed, exam-realistic  
questions, customization  
options, and detailed*

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*performance reports Online,  
interactive practice  
exercises that help you  
enhance your knowledge An  
online, interactive Flash  
Cards application to help  
you drill on Key Terms by  
chapter A final preparation*

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*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*

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*Well regarded for its level of detail, study plans, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam*

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*success This official study  
guide helps you master all  
the topics on the CCNP  
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Networks (300-420 ENSLD)  
exam, including Advanced  
Addressing and Routing  
Solutions Advanced*

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*Enterprise Campus Networks  
WAN for Enterprise Networks  
Network Services SD Access  
and SD-WAN Automation  
bull; Content maps to new  
CCNA 3.0 curriculum bull;  
Additional chapters on  
difficult topics bull;*



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*guide for individuals who are pursuing the Cisco CCNP Security certification. This book helps any network professionals that want to learn the skills required to develop a security infrastructure, recognize*

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concepts and frameworks.  
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for the CCNA 200-301  
Certification Exam  
CCNA 3 and 4 Companion Guide  
Web Scraping with Python*

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Exploration Companion Guide  
First Year Companion Guide,  
Revised Printing  
CCNA: Cisco Certified  
Network Associate  
31 Days Before your CCNA  
Exam*

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for the new CCNA or CCNP**

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certification needed to grow  
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all exam topics. This book  
includes access to six  
practice tests featuring  
1,200 exam questions, as**

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well as two full practice exams. Most importantly, the six practice tests featured in Certification Practice Tests Exam 200-301 cover a variety of topics, including: ● Security fundamentals ● Automation

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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

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**Configuring IP addresses, subnet masks, and gateway addresses**  
**Performing LAN, VLAN, and WAN troubleshooting**  
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and implement IP addressing  
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is designed as a portable  
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**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**

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**comprehensive Glossary with  
more than 250 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**



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**Understanding—Evaluate your readiness with the end-ofchapter questions that match the style of questions you see in the online course quizzes. The answer key explains each answer.**

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objectives for mastering  
routed network construction,  
support, and scalability,  
including: \* \*Assessing**

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**controlling, configuring,  
and verifying path control.  
As part of the Cisco Press  
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revision to the popular  
Authorized Self-Study Guide  
to advanced routing has been  
fully updated to provide**



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the new CCNP ROUTE course.  
This text assumes that  
readers have been exposed to  
concepts covered by CCNA  
(ICND1 and ICND2), but does  
not assume any prior**

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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**

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**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.**

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**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**

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**Configuration Scenario CCNA  
Network Simulator Lite System  
Requirements: 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**

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**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**

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**and above Mac system requirements (minimum) macOS 10.14, 10.13, 10.12, or 10.11, 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**

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Each part concludes with a  
summary of key concepts, review  
questions, and hands-on exercises,  
allowing you to test your  
understanding while exercising  
your new critical skills.**

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defense Cybersecurity Essentials  
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an entry level security  
certification and provides a  
foundation of cybersecurity  
knowledge**

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exam now, and use this day-by-day guide and checklist to organize, prepare, review, and succeed! How this book helps you fit exam prep into your busy schedule: Visual tear-card calendar summarizes each day's study topic, to help you get through everything Checklist offers expert

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advice on preparation activities leading up to your exam Descriptions of exam organization and sign-up processes help make sure nothing falls between the cracks Proven strategies help you prepare mentally, organizationally, and physically Conversational tone makes studying more enjoyable Primary

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Resources: CCNA 200-301 Official  
Cert Guide Library ISBN:  
978-1-58714-714-2 Introduction to  
Networks v7 Companion Guide ISBN:  
978-0-13-663366-2 Introduction to  
Networks v7 Labs and Study Guide  
ISBN: 978-0-13-663445-4 Switching,  
Routing, and Wireless Essentials v7

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Companion Guide ISBN:

978-0-13-672935-8 Switching,  
Routing, and Wireless Essentials v7

Labs and Study Guide ISBN:

978-0-13-663438-6 Enterprise  
Networking, Security, and Automation

v7 Companion Guide ISBN:

978-0-13-663432-4 Enterprise

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Networking, Security, and Automation  
v7 Labs and Study Guide ISBN:  
978-0-13-663469-0 Supplemental  
Resources: CCNA 200-301 Portable  
Command Guide, 5th Edition ISBN:  
978-0-13-593782-2 CCNA 200-301  
Complete Video Course and Practice  
Test ISBN: 978-0-13-658275-5

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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

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CCNP/CCIE ENCOR exam topics \*  
Assess your knowledge with chapter-opening quizzes \* Review key concepts with exam preparation tasks  
This is the eBook edition of the CCNP and CCIE Enterprise Core ENCOR 350-401 Official Cert Guide. This eBook does not include access to the

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Pearson Test Prep practice exams that comes with the print edition. CCNP and CCIE Enterprise Core ENCOR 350-401 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?"



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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. CCNP and CCIE Enterprise Core ENCOR

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350-401 Official Cert Guide focuses specifically on the objectives for the Cisco CCNP/CCIE ENCOR 350-401 exam. Networking experts Brad Edgeworth, Ramiro Garza Rios, Dave Hucaby, and Jason Gooley share preparation hints and test-taking tips, helping you identify areas of weakness

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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. This complete study package includes\* A test-preparation routine proven to help you pass the exams \*

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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 \* Practice exercises that help you enhance your knowledge \* More than 90 minutes of

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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,

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assessment features, comprehensive design scenarios, 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. The official study guide helps you master all the topics on the

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CCNP/CCIE ENCOR exam, including

\* Enterprise network architecture \*

Virtualization \* Network assurance \*

Security \* Automation

IT Essentials v7 Companion Guide

supports the Cisco Networking

Academy IT Essentials version 7

course. The course is designed for

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Cisco Networking Academy students who want to pursue careers in IT and learn how computers work, how to assemble computers, and how to safely and securely troubleshoot hardware and software issues. The features of the Companion Guide are designed to help you study and



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- 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.
  - Course section numbering—Follow

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along with the course heading numbers to easily jump online to complete labs, activities, and quizzes referred to within the text. • Check Your Understanding Questions and Answer Key—Evaluate your readiness with the updated end-of-chapter questions that match the style of

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questions you see on the online course quizzes. This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy.

Cisco Networking Academy Program  
SDN: Software Defined Networks

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CCNA Routing and Switching 200-125

Official Cert Guide Library

Companion Guide

Hardening Cisco Routers

Penetration Testing and Network

Defense

CCNA 200-301 Exam Cram

Go beyond layer 2

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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

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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

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book on packet theory.  
Author Bruce Hartpence  
built topologies in a lab  
as he wrote this guide,  
and each chapter includes  
several packet captures.  
You'll learn about

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protocol classification, static vs. dynamic topologies, and reasons for installing a particular route. This guide covers: Host routing—Process a routing



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table and learn how traffic starts out across a network Static routing—Build router routing tables and understand how forwarding decisions are made and

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processed Spanning Tree Protocol—Learn how this protocol is an integral part of every network containing switches

Virtual Local Area Networks—Use VLANs to

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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

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this distance vector  
protocol works in small,  
modern communication  
networks Open Shortest  
Path First—Discover why  
convergence times of OSPF  
and other link state

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protocols are improved  
over distance vectors

Accessing the WAN CCNA  
Exploration Labs and Study  
Guide John Rullan

Accessing the WAN, CCNA  
Exploration Labs and Study

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Guide is designed to support your learning the technologies and network services required by converged applications as taught in Version 4 of the Cisco® Networking Academy®

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CCNA® Exploration curriculum. Each chapter contains a Study Guide section and a Labs and Activities section. Study Guide The dozens of exercises in this book

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help you learn the concepts and configurations crucial to your success as a CCNA exam candidate. Each chapter is slightly different and includes



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multiple-choice, fill-in-the-blank, and open-ended questions designed to help you Review vocabulary Strengthen troubleshooting skills Boost configuration skills Reinforce concepts

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Research topics Labs and Activities The Labs and Activities sections include all the online curriculum labs plus some additional activities to ensure that you have

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mastered the practical skills needed to succeed in this course. Hands-On Labs-This icon identifies the hands-on labs created for each chapter. Work through all the Basic,

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Challenge, and Troubleshooting labs to gain a deep understanding of the CCNA knowledge and skills needed to ultimately succeed on the CCNA Certification Exam.

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Packet Tracer Activities-

This icon identifies exercises created by the author for you to challenge yourself on specific tasks using Packet Tracer, a powerful

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network simulation program developed by Cisco. Packet Tracer Companion-This icon identifies the companion activities that correspond to each hands-on lab. You'll use the Packet

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Tracer to complete a simulation of the hands-on lab. Packet Tracer Skills Integration Challenge-Each chapter concludes with a culminating activity called the Packet Tracer

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Skills Integration  
Challenge. These  
challenging activities  
require you to combine  
several skills learned  
from the chapter-as well  
as previous chapters and



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courses-to successfully complete one comprehensive exercise. John Rullan has been a Cisco Instructor since 1998. He teaches CCNA, CCNP®, and network security courses to

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students and teachers throughout the New York City Department of Education system. Use this book with: Accessing the WAN, CCNA Exploration Companion Guide ISBN-10:

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1-58713-205-2 ISBN-13:  
978-158713-205-6 Companion  
CD-ROM The CD-ROM provides  
all the Packet Tracer  
Activity, Packet Tracer  
Companion, and Packet  
Tracer Challenge files

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that are referenced throughout the book as indicated by the icons. These files work with Packet Tracer software v4.1, which is available through the Academy

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Connection website. Ask your instructor for access to the Packet Tracer software. This book is part of the Cisco Networking Academy Series from Cisco Press®. Books

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in this series support and complement the Cisco Networking Academy curriculum.

This is the eBook of the printed book and may not include any media, website

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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

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and Switching  
certifications. The new  
edition of the best-  
selling two-book value  
priced CCNA Official Cert  
Guide Library includes  
updated content, new



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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

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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

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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

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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

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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

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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

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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

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spend on each section .  
Chapter-ending and part-  
ending exercises, which  
help you drill on key  
concepts you must know  
thoroughly .  
Troubleshooting sections,



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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-

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reviewed, exam-realistic questions, customization options, and detailed performance reports . A free copy of the CCNA ICND1 and ICND2 Network Simulator Lite software,

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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

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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

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· 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

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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

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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

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study guides help you master all the topics on the CCNA exams, including

- Networking fundamentals
- Implementing basic Ethernet LANs
- Ethernet LANs: design, VLANs, and



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## Chapter 4 Test Answers

troubleshooting · IPv4  
addressing and subnetting  
· Implementing IPv4 · IPv4  
design and troubleshooting  
· IPv4 services: ACLs,  
NAT, and QoS · IPv4  
routing protocols and

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routing · Wide area  
networks · IPv6 · Network  
management, SDN, and cloud  
computing

The only authorized Labs &  
Study Guide for the Cisco  
Networking Academy

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Introduction to Networks v7.0 (ITN) course in the CCNA Routing and Switching curriculum. This book provides an introduction to IT and Networking and is suitable for learners

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with an interest in IT. 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

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learn the concepts, configurations, and troubleshooting skills crucial to your success as a CCNA exam candidate. Each chapter is slightly different and includes

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some or all of the  
following types of  
exercises: Vocabulary  
Matching Exercises Concept  
Questions Exercises Skill-  
Building Activities and  
Scenarios Configuration

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Scenarios Packet Tracer  
Exercises Troubleshooting  
Scenarios The Labs &  
Activities sections  
include all the labs and  
Packet Tracer activities  
from the online

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curriculum. If applicable, this section begins with a Command Reference, an exercise where the reader matches commands.

Cisco CCENT/CCNA ICND1 OCG  
Aca



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Perform powerful  
penetration testing using  
Kali Linux, Metasploit,  
Nessus, Nmap, and  
Wireshark

Implementing Cisco IP  
Routing (ROUTE) Foundation

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Learning Guide

Accessing the WAN, CCNA

Exploration Companion

Guide

The Linux Command Line

An Authoritative Review of

Network Programmability

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Technologies

Enterprise Networking,  
Security, and Automation  
Companion Guide (Ccnv7)

***Modern organizations rely  
on Security Operations  
Center (SOC) teams to***

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***vigilantly watch security systems, rapidly detect breaches, and respond quickly and effectively. To succeed, SOCs desperately need more qualified cybersecurity professionals.***

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***Cisco's new Cisco Certified CyberOps Associate certification prepares candidates to begin a career working as associate-level cybersecurity analysts within SOCs. It***

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***demonstrates their knowledge about creating, operating, and working within computer security incident response teams (CSIRTs) and product security incident response***

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***teams (PSIRTs); the incident response lifecycle, and cyber forensics. To earn this valuable certification, candidates must pass the new Understanding Cisco Cybersecurity Operations***

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***Fundamentals (200-201  
CBROPS) consolidated exam.  
Cisco CyberOps Associate  
CBROPS 200-201 Official  
Cert Guide is Cisco's official,  
comprehensive self-study  
resource for this exam.***



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***Designed for all exam candidates, it covers every exam objective concisely and logically, with extensive teaching features that promote retention and understanding. You'll find:***

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## Chapter 4 Test Answers

***Pre-chapter quizzes to assess knowledge upfront and focus your study more efficiently Foundation topics sections that explain concepts and configurations, and link theory to practice***

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## Chapter 4 Test Answers

***Key topics sections calling attention to every figure, table, and list you must know Exam Preparation sections with additional chapter review features Final preparation chapter***

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***providing tools and a  
complete final study plan A  
customizable practice test  
library This guide offers  
comprehensive, up-to-date  
coverage of all CBROPS  
#200-201 topics related to:***

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***Security concepts Security  
monitoring Host-based  
analysis Network intrusion  
analysis Security policies  
and procedures  
Enterprise Networking,  
Security, and Automation***

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Chapter 4 Test Answers

***(CCNA v7) Companion Guide  
is designed as a portable  
desk reference to use  
anytime, anywhere to  
reinforce the material from  
the Enterprise Networking,  
Security, and Automation***

# Online Library Cisco Netacad Chapter 4 Test Answers

***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***

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## Chapter 4 Test Answers

***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 -***



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***Consult the comprehensive  
Glossary with more than 250  
terms. Summary of  
Activities and Labs -  
Maximize your study time  
with this complete list of all  
associated practice***

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***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***

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***quizzes. The answer key explains each answer. How To - Look for this icon to study the steps you need to learn to perform certain tasks. Interactive Activities - Reinforce your***

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## Chapter 4 Test Answers

***understanding of topics with dozens of exercises from the online course identified throughout the book with this icon. Packet Tracer Activities - Explore and visualize networking***

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***concepts using Packet Tracer exercises interspersed throughout the chapters and provided in the accompanying Labs & Study Guide book. Videos - Watch the videos embedded within***

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***the online course. Hands-on Labs - Work through all the course labs and additional Class Activities that are included in the course and published in the separate Labs & Study Guide. Part of***

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Chapter 4 Test Answers

***the Cisco Networking Academy Series from Cisco Press, books in this series support and complement the Cisco Networking Academy curriculum.***

**CCNA 200-301 Exam**

*Page 207/395*

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***CramPearson IT Certification  
Here are all the CCNA-level  
Routing and Switching  
commands you need in one  
condensed, portable  
resource. The CCNA Routing  
and Switching Portable***



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***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***

## Online Library Cisco Netacad Chapter 4 Test Answers

***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***

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***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***

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***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***

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***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 •***

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***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***

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***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***

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***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***



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***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?”***

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***chart inside back cover  
helps you to quickly  
reference specific tasks  
CCNA Certification Practice  
Tests  
Cybersecurity Essentials  
A Complete Introduction***

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***Packet Guide to Routing and  
Switching***

***Designing Cisco Enterprise  
Networks***

***Routing Protocols***

***Companion Guide***

***Cisco Networks***

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*Learn web scraping and crawling techniques to access unlimited data from any web source in any format. With this practical guide, you'll learn how to use Python scripts and web APIs to gather and process data from thousands—or even millions—of web pages at once. Ideal for*

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*programmers, security professionals, and web administrators familiar with Python, this book not only teaches basic web scraping mechanics, but also delves into more advanced topics, such as analyzing raw data or using scrapers for frontend website testing. Code samples are available*

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*to help you understand the concepts in practice. Learn how to parse complicated HTML pages Traverse multiple pages and sites Get a general overview of APIs and how they work Learn several methods for storing the data you scrape Download, read, and extract data*

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*from documents Use tools and techniques to clean badly formatted data Read and write natural languages Crawl through forms and logins Understand how to scrape JavaScript Learn image processing and text recognition*

*This book is a concise one-stop desk*

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*reference and synopsis of basic knowledge and skills for Cisco certification prep. For beginning and experienced network engineers tasked with building LAN, WAN, and data center connections, this book lays out clear directions for installing, configuring, and troubleshooting*



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*networks with Cisco devices. The full range of certification topics is covered, including all aspects of IOS, NX-OS, and ASA software. The emphasis throughout is on solving the real-world challenges engineers face in configuring network devices, rather than on exhaustive*

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*descriptions of hardware features. This practical desk companion doubles as a comprehensive overview of the basic knowledge and skills needed by CCENT, CCNA, and CCNP exam takers. It distills a comprehensive library of cheat sheets, lab configurations, and*

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*advanced commands that the authors assembled as senior network engineers for the benefit of junior engineers they train, mentor on the job, and prepare for Cisco certification exams. Prior familiarity with Cisco routing and switching is desirable but not necessary, as Chris*

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*Carthern, Dr. Will Wilson, Noel Rivera, and Richard Bedwell start their book with a review of the basics of configuring routers and switches. All the more advanced chapters have labs and exercises to reinforce the concepts learned. This book differentiates itself from other Cisco*

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*books on the market by approaching network security from a hacker's perspective. Not only does it provide network security recommendations but it teaches you how to use black-hat tools such as oclHashcat, Loki, Burp Suite, Scapy, Metasploit, and Kali to actually test the security*

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*concepts learned. Readers of Cisco Networks will learn How to configure Cisco switches, routers, and data center devices in typical corporate network architectures The skills and knowledge needed to pass Cisco CCENT, CCNA, and CCNP certification exams How to set up and configure at-*

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*home labs using virtual machines and lab exercises in the book to practice advanced Cisco commands How to implement networks of Cisco devices supporting WAN, LAN, and data center configurations How to implement secure network configurations and configure the*

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*Cisco ASA firewall How to use black-hat tools and network penetration techniques to test the security of your network*

*Explore the latest ethical hacking tools and techniques in Kali Linux 2019 to perform penetration testing from scratch Key Features Get up and*



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*running with Kali Linux 2019.2 Gain comprehensive insights into security concepts such as social engineering, wireless network exploitation, and web application attacks Learn to use Linux commands in the way ethical hackers do to gain control of your environment*

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*current rise in hacking and security breaches makes it more important than ever to effectively pentest your environment, ensuring endpoint protection. This book will take you through the latest version of Kali Linux and help you use various tools and techniques to efficiently deal*

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*with crucial security aspects. Through real-world examples, you'll understand how to set up a lab and later explore core penetration testing concepts. Throughout the course of this book, you'll get up to speed with gathering sensitive information and even discover different vulnerability*

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*assessment tools bundled in Kali Linux 2019. In later chapters, you'll gain insights into concepts such as social engineering, attacking wireless networks, exploitation of web applications and remote access connections to further build on your pentesting skills. You'll also focus on*

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*techniques such as bypassing controls, attacking the end user and maintaining persistence access through social media. Finally, this pentesting book covers best practices for performing complex penetration testing techniques in a highly secured environment. By the end of this book,*

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*you'll be able to use Kali Linux to detect vulnerabilities and secure your system by applying penetration testing techniques of varying complexity. What you will learn*  
*Explore the fundamentals of ethical hacking*  
*Learn how to install and configure Kali Linux*  
*Get up to*

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*speed with performing wireless network pentesting Gain insights into passive and active information gathering Understand web application pentesting Decode WEP, WPA, and WPA2 encryptions using a variety of methods, such as the fake authentication attack, the ARP*

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*request replay attack, and the dictionary attack*

*Who this book is for*

*If you are an IT security professional or a security consultant who wants to get started with penetration testing using Kali Linux 2019.2, then this book is for you. The book will also help if you're simply looking to learn*



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*more about ethical hacking and various security breaches. Although prior knowledge of Kali Linux is not necessary, some understanding of cybersecurity will be useful.*

*Contributions by Rick Graziani and Bob Vachon.*

*CCNA Rout Swit Com Gd ePub\_3*

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*Cisco Cyberops Associate Cbrops*

*200-201 Official Cert Guide*

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Guide*

*CCNP and CCIE Enterprise Core*

*ENCOR 350-401 Official Cert Guide*

*Introduction to Networks Companion  
Guide (CCNAv7)*

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*DevNet Associate DEVASC 200-901  
Official Certification Guide  
CCNA 1 V7 Labs and Study Guide  
Introduction to Networks  
Companion Guide is the  
official supplemental  
textbook for the*

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*Introduction to Networks  
course in the Cisco®  
Networking Academy®  
CCNA® Routing and  
Switching curriculum.  
The course introduces  
the architecture,*

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## Chapter 4 Test Answers

*structure, functions,  
components, and models  
of the Internet and  
computer networks. The  
principles of IP  
addressing and  
fundamentals of Ethernet*

## Online Library Cisco Netacad Chapter 4 Test Answers

*concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, you will be able to build simple*

## Online Library Cisco Netacad Chapter 4 Test Answers

*LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. The Companion Guide is designed as a portable*

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*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*



## Online Library Cisco Netacad Chapter 4 Test Answers

*concepts to succeed in  
this course: Chapter  
Objectives—Review core  
concepts by answering  
the focus questions  
listed at the beginning  
of each chapter. Key*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*Terms—Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter.*

*Glossary—Consult the comprehensive Glossary*

## Online Library Cisco Netacad Chapter 4 Test Answers

*with more than 195  
terms. Summary of  
Activities and  
Labs—Maximize your study  
time with this complete  
list of all associated  
practice exercises at*

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*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*

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*online course quizzes.  
The answer key explains  
each answer. Related  
Title: Introduction to  
Networks Lab Manual  
ISBN-10: 1-58713-312-1  
ISBN-13:*

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*978-1-58713-312-1 How  
To-Look for this icon to  
study the steps you need  
to learn to perform  
certain tasks.*

*Interactive*

*Activities-Reinforce*

## Online Library Cisco Netacad Chapter 4 Test Answers

*your understanding of  
topics with more than 50  
different exercises from  
the online course  
identified throughout  
the book with this icon.  
Videos—Watch the videos*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*embedded within the  
online course. Packet  
Tracer*

*Activities—Explore and  
visualize networking  
concepts using Packet  
Tracer exercises*



## Online Library Cisco Netacad Chapter 4 Test Answers

*interspersed throughout the chapters. Hands-on Labs—Work through all 66 course labs and Class Activities that are included in the course and published in the*

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*separate Lab Manual.  
This book is part of the  
Cisco Networking Academy  
Series from Cisco  
Press®. Books in this  
series support and  
complement the Cisco*

# Online Library Cisco Netacad Chapter 4 Test Answers

*Networking Academy  
curriculum.*

*Explore the emerging  
definitions, protocols,  
and standards for  
SDN—software-defined,  
software-driven,*

# Online Library Cisco Netacad

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*programmable  
networks—with this  
comprehensive guide. Two  
senior network engineers  
show you what's required  
for building networks  
that use software for bi-*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*directional communication between applications and the underlying network infrastructure. This vendor-agnostic book also presents several*

## Online Library Cisco Netacad Chapter 4 Test Answers

*SDN use cases, including bandwidth scheduling and manipulation, input traffic and triggered actions, as well as some interesting use cases around big data, data*

## Online Library Cisco Netacad Chapter 4 Test Answers

*center overlays, and network-function virtualization. Discover how enterprises and service providers alike are pursuing SDN as it continues to evolve.*

## Online Library Cisco Netacad Chapter 4 Test Answers

*Explore the current state of the OpenFlow model and centralized network control. Delve into distributed and central control, including data plane*



# Online Library Cisco Netacad

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*generation Examine the  
structure and  
capabilities of  
commercial and open  
source controllers  
Survey the available  
technologies for network*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*programmability Trace  
the modern data center  
from desktop-centric to  
highly distributed  
models Discover new ways  
to connect instances of  
network-function*

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## Chapter 4 Test Answers

*virtualization and  
service chaining Get  
detailed information on  
constructing and  
maintaining an SDN  
network topology Examine  
an idealized SDN*

# Online Library Cisco Netacad Chapter 4 Test Answers

*framework for  
controllers,  
applications, and  
ecosystems*

*Introduction to Networks  
(CCNA v7) Companion  
Guide is designed as a*

## Online Library Cisco Netacad Chapter 4 Test Answers

*portable desk reference  
to use anytime, anywhere  
to reinforce the  
material from the  
Introduction to Networks  
course and organize your  
time. The book's*

## Online Library Cisco Netacad Chapter 4 Test Answers

*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*

## Online Library Cisco Netacad Chapter 4 Test Answers

*beginning of each  
chapter. Key Terms -  
Refer to the lists of  
networking vocabulary  
introduced and  
highlighted in context  
in each chapter.*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*Glossary - Consult the comprehensive Glossary with more than 250 terms. Summary of Activities and Labs - Maximize your study time with this complete list*



# Online Library Cisco Netacad

## Chapter 4 Test Answers

*of all associated  
practice exercises at  
the end of each chapter.  
Check Your Understanding  
- Evaluate your  
readiness with the end-  
of-chapter questions*

## Online Library Cisco Netacad Chapter 4 Test Answers

*that match the style of questions you see in the online course quizzes. The answer key explains each answer. How To - Look for this icon to study the steps you need*

## Online Library Cisco Netacad Chapter 4 Test Answers

*to learn to perform  
certain tasks.*

*Interactive Activities -  
Reinforce your  
understanding of topics  
with dozens of exercises  
from the online course*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*identified throughout the book with this icon.*

*Videos - Watch the videos embedded within the online course.*

*Packet Tracer Activities - Explore and visualize*

# Online Library Cisco Netacad Chapter 4 Test Answers

*networking concepts  
using Packet Tracer.  
There are 40 exercises  
interspersed throughout  
the chapters and  
provided in the  
accompanying Labs &*

# Online Library Cisco Netacad Chapter 4 Test Answers

*Study Guide book. Part of the Cisco Networking Academy Series from Cisco Press, books in this series support and complement the Cisco Networking Academy*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*curriculum.*

*As a network administrator, auditor or architect, you know the importance of securing your network and finding security*

## Online Library Cisco Netacad Chapter 4 Test Answers

*solutions you can  
implement quickly. This  
succinct book departs  
from other security  
literature by focusing  
exclusively on ways to  
secure Cisco routers,*



## Online Library Cisco Netacad Chapter 4 Test Answers

*rather than the entire network. The rationale is simple: If the router protecting a network is exposed to hackers, then so is the network behind it. Hardening Cisco*

## Online Library Cisco Netacad Chapter 4 Test Answers

*Routers is a reference for protecting the protectors. Included are the following topics:  
The importance of router security and where routers fit into an*

# Online Library Cisco Netacad

## Chapter 4 Test Answers

*overall security plan  
Different router  
configurations for  
various versions of  
Cisco's IOS Standard  
ways to access a Cisco  
router and the security*

## Online Library Cisco Netacad Chapter 4 Test Answers

*implications of each  
Password and privilege  
levels in Cisco routers  
Authentication,  
Authorization, and  
Accounting (AAA) control  
Router warning banner*

## Online Library Cisco Netacad Chapter 4 Test Answers

*use (as recommended by  
the FBI) Unnecessary  
protocols and services  
commonly run on Cisco  
routers SNMP security  
Anti-spoofing Protocol  
security for RIP, OSPF,*

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## Chapter 4 Test Answers

*EIGRP, NTP, and BGP*

*Logging violations*

*Incident response*

*Physical security*

*Written by Thomas Akin,  
an experienced Certified  
Information Systems*

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*Security Professional (CISSP) and Certified Cisco Academic Instructor (CCAI), the book is well organized, emphasizing practicality and a hands-on approach.*

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*At the end of each chapter, Akin includes a Checklist that summarizes the hardening techniques discussed in the chapter. The Checklists help you*



## Online Library Cisco Netacad Chapter 4 Test Answers

*double-check the configurations you have been instructed to make, and serve as quick references for future security procedures. Concise and*

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*to the point, Hardening  
Cisco Routers supplies  
you with all the tools  
necessary to turn a  
potential vulnerability  
into a strength. In an  
area that is otherwise*

## Online Library Cisco Netacad Chapter 4 Test Answers

*poorly documented, this is the one book that will help you make your Cisco routers rock solid.*

*Introduction to Networks  
v6 Companion Guide*

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*CCNA Routing and  
Switching Portable  
Command Guide*

*CCNP and CCIE Security  
Core SCOR 300-701  
Official Cert Guide*

*CCNP Enterprise Design*

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*ENSLD 300-420 Official  
Cert Guide*

*How to Accelerate Your  
Internet*

*Exploring the Network  
Layer*

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You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most

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popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author

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William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: \* Create and delete files,



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directories, and symlinks \* Administer your system, including networking, package installation, and process management \* Use standard input and output, redirection, and pipelines \* Edit files with Vi, the world's most popular text editor \* Write shell scripts to automate common or boring tasks \*

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Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in

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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 include the practice exams that comes with the print edition. CCNA 200-301 Official

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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

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- A test-preparation routine proven to help



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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 · The powerful Pearson Test Prep Practice

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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 90 minutes of video mentoring from the author . A final preparation

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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

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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

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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

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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

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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



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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

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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

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## Chapter 4 Test Answers

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

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version 12 and above; Microsoft Edge 44 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

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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

Organizations are increasingly

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transitioning to IPv6, the next generation protocol for defining how devices of all kinds communicate over networks. Now fully updated, IPv6 Fundamentals offers a thorough, friendly, and easy-to-understand introduction to the knowledge and skills you need to deploy and operate

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IPv6 networks. Leading networking instructor Rick Graziani explains all the basics simply and clearly, step-by-step, providing all the details you'll need to succeed. You'll learn why IPv6 is necessary, how it was created, how it works, and how it has become the protocol of choice in environments

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ranging from cloud to mobile and IoT. Graziani thoroughly introduces IPv6 addressing, configuration options, and routing protocols, including EIGRP for IPv6, and OSPFv3 (traditional configuration and with address families). Building on this coverage, he then includes more in-depth



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information involving these protocols and processes. This edition contains a completely revamped discussion of deploying IPv6 in your network, including IPv6/IPv4 integration, dynamic address allocation, and understanding IPv6 from the perspective of the network and host.

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You'll also find improved coverage of key topics such as Stateless Address Autoconfiguration (SLAAC), DHCPv6, and the advantages of the solicited node multicast address. Throughout, Graziani presents command syntax for Cisco IOS, Windows, Linux, and Mac OS, as well as many examples,

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diagrams, configuration tips, and updated links to white papers and official RFCs for even deeper understanding. Learn how IPv6 supports modern networks encompassing the cloud, mobile, IoT, and gaming devices Compare IPv6 with IPv4 to see what has changed

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and what hasn't Understand and represent IPv6 addresses for unicast, multicast, and anycast environments Master all facets of dynamic IPv6 address allocation with SLAAC, stateless DHCPv6, and stateful DHCPv6 Understand all the features of deploying IPv6 addresses in the

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network including temporary  
addresses and the privacy extension  
Improve operations by leveraging  
major enhancements built into ICMPv6  
and ICMPv6 Neighbor Discovery  
Protocol Configure IPv6 addressing  
and Access Control Lists using a  
common topology Implement routing

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of IPv6 packets via static routing, EIGRP for IPv6, and OSPFv3 Walk step-by-step through deploying IPv6 in existing networks, and coexisting with or transitioning from IPv4

The practical guide to simulating, detecting, and responding to network attacks Create step-by-step testing

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plans Learn to perform social engineering and host reconnaissance  
Evaluate session hijacking methods  
Exploit web server vulnerabilities  
Detect attempts to breach database security Use password crackers to obtain access information Circumvent Intrusion Prevention Systems (IPS)

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and firewall protections and disrupt the service of routers and switches Scan and penetrate wireless networks Understand the inner workings of Trojan Horses, viruses, and other backdoor applications Test UNIX, Microsoft, and Novell servers for vulnerabilities Learn the root cause of



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buffer overflows and how to prevent them Perform and prevent Denial of Service attacks Penetration testing is a growing field but there has yet to be a definitive resource that instructs ethical hackers on how to perform a penetration test with the ethics and responsibilities of testing in mind.

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Penetration Testing and Network Defense offers detailed steps on how to emulate an outside attacker in order to assess the security of a network. Unlike other books on hacking, this book is specifically geared towards penetration testing. It includes important information about liability

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issues and ethics as well as procedures and documentation. Using popular open-source and commercial applications, the book shows you how to perform a penetration test on an organization's network, from creating a test plan to performing social engineering and host reconnaissance

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to performing simulated attacks on both wired and wireless networks. Penetration Testing and Network Defense also goes a step further than other books on hacking, as it demonstrates how to detect an attack on a live network. By detailing the method of an attack and how to spot

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an attack on your network, this book better prepares you to guard against hackers. You will learn how to configure, record, and thwart these attacks and how to harden a system to protect it against future internal and external attacks. Full of real-world examples and step-by-step

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procedures, this book is both an enjoyable read and full of practical advice that will help you assess network security and develop a plan for locking down sensitive data and company resources. "This book goes to great lengths to explain the various testing approaches that are used

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today and gives excellent insight into how a responsible penetration testing specialist executes his trade." -Bruce Murphy, Vice President, World Wide Security Services, Cisco Systems

IPv6 Fundamentals

A Practical Guide to Bandwidth Management and Optimisation Using

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Open Source Software

Collecting Data from the Modern Web

Introduction to Networks

Help for Network Administrators

PC hardware and software lab manual

Foundation Learning for the ROUTE

642-902 Exam

**Accessing the WAN CCNA**

*Page 336/395*



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**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**

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**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,**

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**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**

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## Chapter 4 Test Answers

**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**

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**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**

# Online Library Cisco Netacad Chapter 4 Test Answers

**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**

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## Chapter 4 Test Answers

**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**

# Online Library Cisco Netacad Chapter 4 Test Answers

**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**



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**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**

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**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**

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**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**

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**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 Accessing the WAN Course Accessing the**

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**WAN, CCNA Exploration Labs  
and Study Guide ISBN-10:  
1-58713-201-X ISBN-13:  
978-1-58713-201-8 Companion  
CD-ROM \*\*See instructions  
within the ebook on how to get  
access to the files from the CD-**

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**ROM that accompanies this print book.\*\* The CD-ROM provides many useful tools and information to support your education: Packet Tracer Activity exercise files A Guide to Using a Networker's Journal booklet**

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**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**

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Academic Edition is a  
comprehensive textbook and  
study package that provides you  
with an introduction to  
foundational networking  
concepts and hands-on**

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**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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**This complete study package includes A study routine proven to help you retain knowledge Chapter-ending summaries that provide a quick review of key topics Tons of review exercises, including memory tables,**

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**command summaries, key term definitions, mind mapping exercises, review questions, and more, which test your understanding and reinforce your knowledge Troubleshooting sections, which help you master**

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**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)**

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