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Rev. ed. of: CCIE
routing and switching
exam certification guide
/ Wendell Odom, Rus
Healy, Denise Donohue.
2010

Expert author Rich Grace
presents a no-nonsense,
step-by-step approach to
using NT 4.0 to create a
small Windows NT
network. His focus on
connecting an NT network

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will help readers create the perfect network configuration for their needs. The CD-ROM contains DiskKeeper Lite plus dozens of system management utilities and connectivity enhancements.

Master CCIE Routing and Switching 4.0 blueprint exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with Exam Preparation Tasks Practice with realistic exam questions on the CD-ROM CCIE Routing and

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Switching Certification
Guide, Fourth Edition,
is a best-of-breed
Cisco® exam study guide
that focuses
specifically on the
objectives for the CCIE®
Routing and Switching
written exam. Well-
respected networking
professionals Wendell
Odom, Rus Healy, and
Denise Donohue share
preparation hints and
test-taking tips,
helping you identify
areas of weakness and
improve both your
conceptual knowledge and

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hands-on skills.
Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. CCIE Routing and Switching Certification Guide, Fourth Edition, presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and allow you to decide how much time you

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

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question-by-question remediation to the text and laying out a complete study plan for review. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. CCIE Routing and Switching Certification Guide, Fourth Edition, is part of a recommended

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learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. The official study guide helps you master all the topics on the CCIE

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written exam, including:
Bridging and LAN
switching IP addressing,
IP services, TCP, UDP,
and application protocol
details Layer 3
forwarding concepts
EIGRP, OSPF, and BGP
routing protocols
Quality of service Frame
Relay MPLS IP multicast
IPv6 Router and switch
security Troubleshooting
Companion CD-ROM The CD-
ROM contains 200
practice questions for
the exam. This volume is
part of the

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Certification Guide
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Category: Cisco Press-
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Covers: CCIE Routing and
Switching written exam

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Internetworking Protocol (IP) addresses are the unique numeric identifiers required of every device connected to the Internet. They allow for the precise routing of data across very complex worldwide internetworks. The rules for their format and use are governed by the Internet Engineering Task Force (IETF) of the The Internet SOCIety (ISOC). In response to the exponential increase in demand for new IP

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addresses, the IETF has finalized its revision on IP addressing as IP Version 6, also know as IPng (ng = Next Generation). Key hardware vendors such as Cisco and major Internet Service Providers such as America Online have already announced plans to migrate to IP Version 6. IP address allocation within an organization requires a lot of long-term planning. This timely publication addresses the administrator and

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engineer's need to know
how IP 6 impacts their
enterprise networks.

Easy-to-read, light
technical approach to
cellular technology

Ideal for companies
planning a phased

migration from IP 4 to
IP 6 Timely publication:

The IETF standard was
finalized in early 1999

and will begin to be
implemented in late

1999/2000. The current
IP Version 4 address set

will be exhausted by

2003 The book focuses on
planning and configuring

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networks and devices for
IP 6. Specifically, it
will cover how to:

Increase the IP address
size from 32 bits to 128
bits; Support more
levels of addressing
hierarchy; Support an
increased number of
addressable nodes;
Support simpler auto-
configuration of
addresses; Improve the
scalability of multicast
routing by adding a
"scope" field to
multicast addresses; Use
a new "anycast address"
to send a packet to any

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one of a group of nodes
CCIE Routing and
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Guide

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Ipv4 & Ipv6 Subnetting
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Computer Networking
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CCENT ICND1 100-101 Exam
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for proven and comprehensive coverage & & CD-ROM testing engine has over 200 question, including simulation based as on the CCNA exam, providing the most accurate test preparation available & & Proven training features complete concept learning and retention in the all-time best selling CCNA preparation title

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make

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driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's

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communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to:

- Build an accurate threat model for your vehicle
- Reverse engineer the CAN bus to fake engine signals
- Exploit vulnerabilities in diagnostic and data-logging systems

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- Hack the ECU and other firmware and embedded systems
- Feed exploits through infotainment and vehicle-to-vehicle communication systems
- Override factory settings with performance-tuning techniques
- Build physical and virtual test benches to try out exploits safely

If you're curious about automotive security and have the urge to hack a two-ton computer, make *The Car Hacker's Handbook* your first stop.

As we all know by now, wireless networks offer many

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advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With

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easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless

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technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users

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are indeed plentiful.

Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Prepare for Cisco CCNA Routing and Switching 200-120 exam success with this Cisco Exam Cram from Pearson IT Certification, a


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leader in IT. Cisco CCNA Routing and Switching 200-120 Exam Cram is the perfect study guide to help you pass the Cisco CCNA 200-120 exam, providing coverage and practice questions for every exam topic. The book contains an extensive set of preparation tools such as exam objective mapping; a self-assessment section that helps you evaluate your motivations and exam readiness; concise, easy-to-read exam topic overviews; Exam Alerts that highlight key concepts; bullet lists and summaries

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for easy review; Cram Savers, Cram Quizzes, and chapter-ending practice questions that help you assess your knowledge and test your understanding; Notes that indicate areas of concern or specialty training; Tips to help you build a better foundation of knowledge and an extensive glossary of terms and acronyms. The book also contains the extremely useful Cram Sheet tear-out that represents a collection of the most difficult-to-remember facts and numbers you should

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memorize before taking the test. Complementing all these study tools is the powerful Pearson IT Certification Practice Test software, complete with hundreds of exam-realistic practice questions. This assessment software offers you a wealth of customization option and reporting features, allowing you to test your knowledge in study mode, practice exam mode, or flash card mode. Covers the critical information you'll need to know to score higher on your CCNA exam!  Identify the

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protocols that operate at specific OSI layers ❖ Learn the details of custom subnetting with IPv4 ❖ Understand and implement IPv6 ❖ Connect, configure, and manage Cisco routers and switches ❖ Set up security for routers and switches ❖ Create VLANs and set up switch-to-switch trunk links Filter traffic from one network to another with access control lists (ACLs) ❖ Deploy Network Address Translation (NAT) and IOS router DHCP services ❖ Learn to predict and verify Spanning Tree Protocol (STP)

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- ◆ Configure and verify OSPFv2, OSPFv3, and EIGRP
- ◆ Leverage redundancy protocols including HSRP and GLBP
- ◆ Implement WAN technologies including PPP, HDLC, and Frame Relay
- ◆ Troubleshoot switches and routers, including routing protocols

Companion CD The companion CD contains a digital edition of the Cram Sheet and the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of

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customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), Windows 7, or Windows 8; Microsoft .NET Framework 4.0 Client; Pentium-class 1GHz processor (or equivalent); 512MB RAM; 650MB disk space plus 50MB for each downloaded practice exam; access to the Internet to register and

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download your practice exams Mike Valentine has been in the IT field for 16 years, focusing on network design and implementation. He is a Cisco Certified Systems Instructor (#31461) and specializes in Cisco Unified Communications instruction as well as CCNA and CCNP courses. His accessible, humorous, and effective teaching style has demystified Cisco for hundreds of students since he began teaching in 2002. Keith Barker, CCIE No. 6783 R/S & Security, is a 27-year veteran of the networking

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industry. He currently works
at CBT Nuggets. His past
experience includes EDS,
Blue Cross, Paramount
Pictures, and KnowledgeNET,
and he has delivered CCIE-
level training for several
years.

Networking For Dummies
Mastering Active Directory
CCNA ICND Exam
Certification Guide
Exam 66 Official Cert ePub
_1

IP Address Management
A Guide for the Penetration
Tester

(Black/White) This book
explains both IPv4 & IPv6. It

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is a manual for subnetting in these two protocols. This book is a step-by-step guide for those that need to find a faster and simple way of subnetting and will cover everything you need to know about these two Internet Protocols. You will learn to subnett in your head, no calculator needed! It will also let you subnet in IPv6 using my same, simple and easy method.

Set up a secure network at home or the office Fully revised to cover Windows 10 and Windows Server 2019, this new edition of the

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trusted Networking For Dummies helps both beginning network administrators and home users to set up and maintain a network. Updated coverage of broadband and wireless technologies, as well as storage and back-up procedures, ensures that you'll learn how to build a wired or wireless network, secure and optimize it, troubleshoot problems, and much more. From connecting to the Internet and setting up a wireless network to solving networking problems and backing up your

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data—this #1 bestselling guide covers it all. Build a wired or wireless network Secure and optimize your network Set up a server and manage Windows user accounts Use the cloud—safely Written by a seasoned technology author—and jam-packed with tons of helpful step-by-step instructions—this is the book network administrators and everyday computer users will turn to again and again.

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prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. This book, combined with CCNA 200-301 Official Cert Guide, Volume 1, covers all the exam topics on the CCNA 200-301 exam. · Master Cisco CCNA 200-301 exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam preparation tasks This is the

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eBook edition of CCNA 200-301 Official Cert Guide, Volume 2. This eBook does not include access to the Pearson Test Prep practice exams that comes with the print edition. CCNA 200-301 Official Cert Guide, Volume 2 presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy.

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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

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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 · The powerful Pearson Test Prep Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports · A free copy of the CCNA 200-301 Network Simulator, Volume 2

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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 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

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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,

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Volume 1, walk you through all the exam topics found in the Cisco 200-301 exam.

Topics covered in Volume 2 include · IP access control lists · Security services · IP

services · Network architecture · Network automation Companion

Website: Companion

Website: The companion website contains CCNA

Network Simulator Lite software, practice exercises, 50 minutes of video training, and other study resources.

See the Where Are the Companion Files on the last page of your eBook file for

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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. Prepare for Cisco CCENT ICND1 100-101 exam success with this Cisco Exam Cram from Pearson IT Certification, a leader in IT.

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critical information you'll need to know to score higher on your Cisco CCENT ICND1 100-101 exam! · Identify the protocols that operate at specific OSI layers · Learn the details of custom subnetting with IPv4 · Understand and implement IPv6 · Connect, configure, and manage Cisco routers and switches · Set up security for routers and switches · Create VLANs and set up switch-to-switch trunk links · Configure, verify, and troubleshoot OSPFv2 and OSPFv3 · Anticipate the actions a router will take ·

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Understand and use CDP for neighbor discovery · Learn the detailed learning and forwarding process of both routers and switches · Filter traffic from one network to another with access control lists (ACLs) · Deploy Network Address Translation (NAT) and IOS router DHCP services · Troubleshoot many types of network problems

Mike Valentine has been in the IT field for 16 years, focusing on network design and implementation. He is a Cisco Certified Systems Instructor (#31461) and specializes in Cisco Unified

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Communications instruction as well as CCNA and CCNP courses. His accessible, humorous, and effective teaching style has demystified Cisco for hundreds of students since he began teaching in 2002. Keith Barker, CCIE No. 6783 R/S & Security, is a 27-year veteran of the networking industry. He currently works at CBT Nuggets. His past experience includes EDS, Blue Cross, Paramount Pictures, and KnowledgeNET, and he has delivered CCIE-level training for several years.

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200-150 Official Cert Guide
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Including IPv6
Mastering Active Directory
for Windows Server 2003
How to Easily Master Ip
Subnetting and Binary Math
to Pass Your Ccna (Ccna,
Networking, It Security, Itsm)
802.11 Wireless Networks:
The Definitive Guide
Principles, Protocols and
Practice

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for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. CCENT/CCNA ICND1 100-105 Official Cert Guide, Academic Edition is a comprehensive textbook and study package that provides you with an introduction to foundational networking concepts and hands-on application. Best-selling author and expert instructor

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Wendell Odom shares study hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package includes A study routine proven to help you retain knowledge Chapter-ending summaries that provide a quick review of key topics Tons of review exercises, including memory tables, command summaries, key term definitions, mind

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mapping exercises,
review questions, and
more, which test your
understanding and
reinforce your knowledge
Troubleshooting
sections, which help you
master complex, real-
world scenarios A free
copy of the eBook
version of the text,
available in PDF, EPUB,
and Mobi (Kindle)
formats The powerful
Pearson IT Certification
Practice Test Premium
Edition software,
complete with hundreds
of well-reviewed, exam-

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realistic questions,
customization options,
linking of all questions
to the PDF eBook file,
and detailed performance
reports A free copy of
the CCENT/CCNA ICND1
100-105 Network
Simulator Lite software,
complete with meaningful
lab exercises that help
you hone your hands-on
skills with the command-
line interface for
routers and switches
Links to a series of
hands-on config labs
developed by the author
Online interactive

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practice exercises that help you enhance your knowledge More than 90 minutes of video mentoring from the author A final preparation chapter that guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features,

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challenging review questions and exercises, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your success. This official study guide helps you master all the topics on the CCENT/CCNA ICND1 exam, including .

- Networking fundamentals
- . Implementing basic Ethernet LANs
- . Ethernet LANs: design, VLANs, and troubleshooting
- . IPv4 addressing and

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Implementing IPv4 · IPv4
design and
troubleshooting · IPv4
services: ACLs and NAT ·
IPv6 · Network device
management The DVD
contains more than 500
unique practice exam
questions, ICND1 Network
Simulator Lite software,
online practice
exercises, and 90
minutes of video
training. Includes
Exclusive Offers For Up
to 70% Off Video
Training and Network
Simulator Software

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Practice Test minimum
system requirements:
Windows 10, Windows 8.1,
Windows 7, or Vista
(SP2), Microsoft .NET
Framework 4.5 Client;
Pentium-class 1 GHz
processor (or
equivalent); 512 MB RAM;
650 MB disk space plus
50 MB for each
downloaded practice
exam; access to the
Internet to register and
download exam databases
In addition to the
wealth of updated
content, this new

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edition includes a series of free hands-on exercises to help you master several real-world configuration and troubleshooting activities. These exercises can be performed on the CCENT/CCNA ICND1 100-105 Network Simulator Lite software included for free on the DVD or companion web page that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and

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switches, contains the following 24 free lab exercises, covering all the topics in Part II, the first hands-on configuration section of the book: 1. Configuring Hostnames 2. Configuring Local Usernames 3. Configuring Switch IP Settings 4. Interface Settings I 5. Interface Settings II 6. Interface Settings III 7. Interface Status I 8. Interface Status II 9. Interface Status III 10. Interface Status IV 11. Setting Switch Passwords

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12. Switch CLI

Configuration Process I

13. Switch CLI

Configuration Process II

14. Switch CLI Exec Mode

15. Switch Forwarding I

16. Switch IP Address

17. Switch IP

Connectivity I 18.

Switch Security I 19.

Switch Security II 20.

Switch Security III 21.

Switch Security IV 22.

Switch Security

Configuration Scenario

23. Switch Interfaces

and Forwarding

Configuration Scenario

24. Port Security

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Troubleshooting Scenario

If you are interested in exploring more hands-on labs and practicing configuration and troubleshooting with more router and switch commands, see the special 50% discount offer in the coupon code included in the sleeve in the back of this book. Windows system requirements (minimum):

- Windows 10 (32/64-bit), Windows 8.1 (32/64-bit), or Windows 7 (32/64-bit) · 1 gigahertz (GHz) or

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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 and
above Mac system
requirements (minimum) .
OS X 10.11, 10.10, 10.9,
or 10.8 . Intel core Duo
1.83 GHz . 512 MB RAM (1
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This open textbook aims

to fill the gap between

the open-source

implementations and the

open-source network

specifications by

providing a detailed but

pedagogical description

of the key principles

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that guide the operation
of the Internet. 1
Preface 2 Introduction 3
The application Layer 4
The transport layer 5
The network layer 6 The
datalink layer and the
Local Area Networks 7
Glossary 8 Bibliography

Designed as a first step
into the world of TCP/IP
networking, this reader-
friendly guide employs
real-world practices to
help readers understand
the practical benefits
of the TCP/IP suite.
Includes information on
the concept of

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packetized data

transfer, open

networking, reference

models, and standards

bodies.

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Official Certification

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IP Networking

How to Master CCNA

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Targeted at programmers

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Pages, this preview book enables consultants, administrators, and managers to evaluate Active Directory before Windows NT 5 is released.

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

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official study guide helps you master all the topics on the CCNP ROUTE exam, including: Network design, implementation, and verification plans EIGRP OSPF IGP Redistribution Policy-based routing and IP service-level agreement (IP SLA) BGP IPv6 IPv4 and IPv6 coexistence Routing over branch Internet connections This volume is part of the Official Certification Guide Series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify

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weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears.

IP Networking Wendell Odom, CCIE No. 1624 This text provides a detailed and practical overview of TCP/IP networking. In this book, expert instructor and best-selling author Wendell Odom explores network design and implementation by applying TCP/IP protocols to provide connectivity and associated services. Planning and deployment of network addressing structures, as well as router and switch configurations, are also examined. *IP Networking* centers on the IP packet

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forwarding process and how to make Cisco routers perform IP routing. The book begins with two units that review and expand your knowledge of prerequisite topics, including all layers of the TCP/IP model, with emphasis on LANs, WANs, IP, and TCP. Units 3 through 8 take you to a much deeper and practical knowledge of IP addressing and routing: two topics that truly need to be understood together. These same lessons examine how to implement various IP features in Cisco routers, building skills that matter in the real world. Finally, the last two units focus on LAN and WAN technologies and

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their roles in how routers and hosts use LANs and WANs to forward IP packets. IP Networking takes you from a broad and basic knowledge of IP addressing and routing to a solid skill level with how hosts, switches, and routers collectively deliver IP packets in modern corporate networks, helping prepare you for a variety of entry-level network administration and support positions, such as network administrator, network technician, network specialist, information technology specialist, and local area network (LAN) or wide area network (WAN) administrator. After reading this book, you will have

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gained the skills required to set up and maintain network transport services with appropriate address schema and desired protocols. You will master the basic skills needed to handle the hardware and IOS features of Cisco routers and switches and perform network administration tasks using such components. Coverage includes: The TCP/IP and OSI networking models LAN and WAN fundamentals Fundamentals of IP addressing and routing Fundamentals of TCP/IP transport, applications, and security IP subnetting VLSM and route summarization Cisco router operation and

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you, step-by-step,
everything you need to know
to master the CCNA Routing &
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discover all the different
protocols that are used on
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how to build networks
yourself! Plus you will
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TCP/IP First-Step

The GSEC Prep Guide

*Mastering Microsoft Exchange
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*CCNA 200-301 Official Cert
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IP Subnetting Made Easy

*CCNA: Cisco Certified
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Master the Technology That Enables
You to Master Network
Management Active Directory
represents an enormous advance in
network administration. It provides
a vast set of powerful tools and
technologies for managing a network
within a native Windows
environment. Mastering Active
Directory for Windows Server 2003

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is the resource you need to take full advantage of all it has to offer. You get a sound introduction to network directory services, then detailed, practical instruction in the work of implementing Active Directory and using all of its tools. This edition has been completely updated to address features new to Active Directory for Windows Server 2003. Coverage includes:

- Understanding the concept of a network directory service
- Understanding benefits specific to Microsoft's Active Directory
- Analyzing business needs
- Designing your Active Directory environment
- Developing and executing a roll-out plan
- Securing the Active Directory database
- Installing and configuring DNS under AD
- Creating users,

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groups, and objects Implementing group policies Modifying the Active Directory schema Controlling Active Directory sites Managing replication Performing backups and recoveries Migrating from both Windows NT and Novell environments Integrating Active Directory and Novell Directory Services

This book will be the first covering the subject of IP address management (IPAM). The practice of IPAM includes the application of network management disciplines to IP address space and associated network services, namely DHCP (Dynamic Host Configuration Protocol) and DNS (Domain Name System). The consequence of inaccurately configuring DHCP is

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that end users may not be able to obtain IP addresses to access the network. Without proper DNS configuration, usability of the network will greatly suffer as the name-to-address lookup process may fail. Imagine having to navigate to a website or send an email or an instant message by IP address instead of by name! It's equally important that these DHCP and DNS configurations be based on a common IP address plan, which maps out the IP address hierarchy, subnets, address pools, and domains. IPAM applies management disciplines to these core services, including configuration, change control, auditing, reporting and so on, and they are necessary given the

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absolute requirement for properly managing IP space and DHCP and DNS servers. The linkages among an IP address plan, DHCP server configuration and DNS server configuration are inseparable; a change of an IP address will affect DNS information and perhaps DHCP as well. These functions provide the foundation for today's converged services IP networks, so they need to be managed using a rigorous approach. Today, there is no single book that covers the management of these linkages and services they provide; IP Address Management Principles and Practice will fill that gap. While several books are available for leading vendors' DHCP and DNS services

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implementations, few exist for IP address planning, and none exist that unifies these three topics. To obtain a free copy of the IPAM Configuration Guide please send an email to: ieeeproposals@wiley.com

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.

CCNA Data Center DCICN 200-150 Official Cert Guide from Cisco Press allows you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Cisco Data Center experts Chad Hintz, Cesar Obediente, and Ozden Karakok share preparation hints and test-taking tips, helping you

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challenging review questions and
exercises, this official study guide
helps you master the concepts and
techniques that ensure your exam
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helps you master topics on the
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exam, including the following: Nexus
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Ethernet LANs, and IPv4/IPv6
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trunking, STP, and Ethernet
switching IPv4 and IPv6 subnetting
IPv4 routing concepts, protocols,
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Data center storage networking
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filled with valuable, easy-to-access information and is portable enough for use whether you're in the server room or the equipment closet. The guide summarizes all CCNA certification-level Cisco IOS® Software commands, keywords, command arguments, and associated prompts, providing you with tips and examples of how to apply the commands to real-world scenarios. Configuration examples throughout the book provide you with a better understanding of how these commands are used in simple network designs. This book has been completely updated to cover topics in the ICND1 100-101, ICND2 200-101, and CCNA 200-120 exams. Use this quick reference resource to help you memorize commands and concepts as you work to

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pass the CCNA Routing and Switching certification exam. The book is organized into these parts: • Part I TCP/IP v4 • Part II Introduction to Cisco Devices • Part III Configuring a Router • Part IV Routing • Part V Switching • Part VI Layer 3 Redundancy • Part VII IPv6 • Part VIII Network Administration and Troubleshooting • Part IX Managing IP Services • Part X WANs • Part XI Network Security Quick, offline access to all CCNA Routing and Switching commands for research and solutions Logical how-to topic groupings for a one-stop resource Great for review before CCNA Routing and Switching certification exams Compact size makes it easy to carry with you, wherever you go “Create Your Own

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Journal” section with blank, lined pages allows you to personalize the book for your needs “What Do You Want to Do?” chart inside back cover helps you to quickly reference specific tasks

** This book is an update to Subnetting Secrets which was first written in 2006

* IP subnetting is a subject you need to master if you want to enjoy a successful career in IT. Unfortunately, it's also one of the hardest to learn: you must understand binary math, hexadecimal, address classes, private addressing, IPv6, and many other topics. Subnetting questions are sure to feature in any IT networking exam you will take, and they can form up to 9% of your final marks. You will be asked to solve subnetting problems in any technical job interview, and of course you must

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be able to troubleshoot IP addressing issues on live networks. Most IT books and training videos make subnetting difficult to understand, which is why so many avoid studying it. If you want to make it in your IT career, you need a deep understanding of how to subnet as well as a quick and easy method you can use in exams and job interviews. IP Subnetting - From Zero to Guru will give you this and more. Paul Browning created this book after teaching subnetting to thousands of students from all over the world both in classrooms and via online training. It has quickly become the go-to resource for people who want to learn how to subnet. By the end of this book, you will have a very high level of ability and confidence when it comes to

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subnetting. In this guide you will learn:
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classes Wildcard masking IPv4
subnetting Easy subnetting (for exams)
Route summarization Variable-Length
Subnet Masking Classless Inter-Domain
Routing Network design addressing
IPv6 addressing Subnetting with IPv6
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key concepts with exam preparation tasks · Practice with realistic exam questions in the practice test software This is the eBook edition of the CCNA 200-301 Official Cert Guide, Volume 1. This eBook, combined with the CCNA 200-301 Official Cert Guide Volume 2, cover all of exam topics on the CCNA 200-301 exam. This eBook does not include the practice exams that comes with the print edition. CCNA 200-301 Official Cert Guide , Volume 1 presents you with an organized test-preparation routine using proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam

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Preparation Tasks help you drill on key concepts you must know thoroughly. CCNA 200-301 Official Cert Guide, Volume 1 from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package includes · A test-preparation routine proven to help you pass the exams · Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section · Chapter-ending and part-ending exercises, which help you drill on key

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command-line interface for routers and
switches · Links to a series of hands-on
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The companion website contains the CCNA Network Simulator Lite software, online practice exercises, study resources, and 90 minutes of video training. In addition to the wealth of updated content, this new edition includes a series of free hands-on exercises to help you master several real-world configuration and troubleshooting activities. These exercises can be performed on the CCNA 200-301 Network Simulator Lite, Volume 1 software included for free on the companion website that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 21 free

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lab exercises, covering topics in Part II and Part III, the first hands-on configuration sections of the book: 1. Configuring Local Usernames 2. Configuring Hostnames 3. Interface Status I 4. Interface Status II 5. Interface Status III 6. Interface Status IV 7. Configuring Switch IP Settings 8. Switch IP Address 9. Switch IP Connectivity I 10. Switch CLI Configuration Process I 11. Switch CLI Configuration Process II 12. Switch CLI Exec Mode 13. Setting Switch Passwords 14. Interface Settings I 15. Interface Settings II 16. Interface Settings III 17. Switch Forwarding I 18. Switch Security I 19. Switch Interfaces and Forwarding Configuration Scenario 20. Configuring VLANs Configuration Scenario 21. VLAN Troubleshooting

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Mastering SANS GIAC Security Essentials

The Car Hacker's Handbook

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IP Subnetting - From Zero to Guru
Your Complete Guide to Master IP
Subnetting in 4 Simple Steps
The Definitive Guide

I originally developed this book for my networking students at the community college where I teach and it is at their urging I have decided to publish this book. Since then, thousands of copies have gone out and the book has been adopted at several other colleges and schools. My goal was

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to produce a book that was targeted to a single topic (IPv4 subnetting) that was inexpensive, and was easy to read (less than 100 pages). I also wrote the book to be used from time to time; not relegated to a shelf where it would gather dust. My students have loved the book over the years and I know you will too.

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basics to leveraging new features. Microsoft Exchange allows access to e-mail, voicemail, and calendars at any time, from almost any device. The 2016 release is designed specifically to appeal to enterprises; if you've been tasked with the implementation, this guide has the information you need. Get up to speed with the latest changes and features Understand server configurations, requirements,

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*implementation is
expected to draw
enterprises sooner
rather than later.*

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guides help you master
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*and VLAN Trunking
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NTP, DHCP, NAT, SNMP,
NetFlow, and more) RIPv2
and RIPv3 EIGRP OSPFv2
and v3 IS-IS Route
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Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. In the two books included in this package, expert instructors Narbik Kocharians, Peter Palúch, and Terry Vinson share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The first volume covers LAN switching, IP

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networking, and IP IGP routing topics. The second volume covers IP BGP routing, quality of service (QoS), wide area networks, IP multicast, network security, and Multiprotocol Label Switching (MPLS) topics. Together, these two books cover all the topics on the new v5.0 blueprint. 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

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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 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,

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There's a ton of other technical guides out there that aren't clear and concise, and in my opinion use far too much jargon. My job is to teach you in simple, easy to follow terms how to get started and excel at Cisco networking! Here's A Preview Of What Subnetting For Beginners Contains... An Introduction to Subnetting - The Basics, Advantages etc. Constructing IP Addresses VLSM and Route Summarization Important Subnetting & Networking Terminologies Reminders, Tips & Tricks To Use While

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Connectivity Guide

Subnetting for Beginners

Subnetting

Are you serious about network security? Then check out SSH, the Secure Shell, which provides key-

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based authentication and transparent encryption for your network connections. It's reliable, robust, and reasonably easy to use, and both free and commercial implementations are widely available for most operating systems. While it doesn't solve every privacy and security problem, SSH eliminates several of them very effectively. Everything you want to know about SSH is in our second edition of SSH, The Secure Shell: The Definitive Guide. This updated book thoroughly covers the latest SSH-2 protocol for system administrators and end users interested in using this increasingly popular TCP/IP-based solution. How does it work? Whenever data is sent to the network, SSH automatically encrypts it. When data reaches its intended recipient, SSH decrypts it. The result is "transparent"

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encryption-users can work normally, unaware that their communications are already encrypted. SSH supports secure file transfer between computers, secure remote logins, and a unique "tunneling" capability that adds encryption to otherwise insecure network applications. With SSH, users can freely navigate the Internet, and system administrators can secure their networks or perform remote administration. Written for a wide, technical audience, SSH, The Secure Shell: The Definitive Guide covers several implementations of SSH for different operating systems and computing environments. Whether you're an individual running Linux machines at home, a corporate network administrator with thousands of users, or a PC/Mac owner who just wants a secure way to telnet or

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transfer files between machines, our indispensable guide has you covered. It starts with simple installation and use of SSH, and works its way to in-depth case studies on large, sensitive computer networks. No matter where or how you're shipping information, SSH, The Secure Shell: The Definitive Guide will show you how to do it securely.

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

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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.

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

Mastering Cisco Routers